

# GOVERNMENT OF TAMIL NADU PUBLIC WORKS DEPARTMENT

## STANDARD DATA BOOK

[FOR CIVIL WORKS]

### VOLUME - I

|               |                 |                 |
|---------------|-----------------|-----------------|
| Volume - I    | PWD             | 1-410 Pages     |
| Volume - II   | PWD   HR&CE     | 411-837 Pages   |
| Volume - III  | HIGHWAYS   TWAD | 1-436 Pages     |
| Volume - IV   | CMWSSB          | 1-412 Pages     |
| Volume - V    | CMWSSB          | 413-795 Pages   |
| Volume - VI   | CMWSSB          | 796-1190 Pages  |
| Volume - VII  | CMWSSB          | 1191-1595 Pages |
| Volume - VIII | CMWSSB          | 1596-1992 Pages |



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PUBLIC WORKS DEPARTMENT**

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| <b>Volume - VI</b>   | <b>CMWSSB</b>          | <b>796-1190 Pages</b>  |
| <b>Volume - VII</b>  | <b>CMWSSB</b>          | <b>1191-1595 Pages</b> |
| <b>Volume - VIII</b> | <b>CMWSSB</b>          | <b>1596-1992 Pages</b> |

**GOVERNMENT OF TAMIL NADU**  
**STANDARD DATA BOOK FOR CIVIL WORKS**  
**PREFACE**

To arrive at Standard Data Book for Civil Works for the use of various departments under Government of Tamil Nadu, the Government of Tamil Nadu in G.O.Ms.No 124 Public Works (G2) Department dated 07.09.2021 and G.O.Ms.No. 9 Public Works (G2) Department dated 11.06.2024 constituted a committee comprising with the Engineer in Chief and Chief Engineer (General) Tamil Nadu Public Works Department as Chairman and Engineer in Chief and Chief Engineer (General) Water Resources Department, Representative from Finance Department, Representative from Tamil Nadu Infrastructure Development Board (TNIDB), Corporation Commissioner, Coimbatore Municipal Corporation, Representative from IIT - CUBE (Madras), Representative from Anna University, The Director (Highways), Highways Research Station, Engineering Director, Tamil Nadu Water Supply and Drainage Board, Engineering Director, Chennai Metropolitan Water Supply and Sewerage Board, Chief Engineer, Hindu Religious and Charitable Endowments as members of the Committee. Further based on needs / requirements, Special invitees from various other Departments are also invited for discussions.


The primary objective for revision and updating the standard data is to bring the estimate costing as close as possible to real time market price by incorporating the prevailing construction procedures. Many of the construction procedures adopted in the existing Standard Data Book have become obsolete and much technological advancement has happened in due course of time. Hence the revision / updation of standard data becomes inevitable. Now this Standard Data Book for Civil Works has been arrived after detailed discussions and deliberations in several Committee Meetings.

The Water Resources Department vide its letter No.S7 / OT3/SDB 2024-25 / 2024 dated: 14.11.2024 had informed that since huge voluminous nature of works are involved in studying and analysing the data, the department needs at least six months time for completing the process and hence the same will be released separately. Therefore the data pertaining to Water Resources Department could not be included in the Standard Data Book for Civil Works.

This Standard Data Book for Civil Works is a comprehensive document that summarizes the standard data required for construction projects which will be very useful for many departments in the preparation of estimates.

The Contents of the Standard Data Book for Civil Works are detailed below:

- |                     |   |   |
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| Volume 1            | : | Public Works Department   |
| Volume 2            | : | Public Works Department and Hindu Religious and Charitable Endowments |
| Volume 3            | : | Highways Department and Tamil Nadu Water Supply and Drainage Board    |
| Volume 4, 5, 6, 7&8 | : | Chennai Metropolitan Water Supply and Sewerage Board                  |

  
**(Er.S.MANIVANNAN)**  
**Chairman,**  
**Standard Data Committee &**  
**Engineer - in - Chief &**  
**Chief Engineer (General), PWD,**  
**Chepauk, Chennai-5**

# STANDARD DATA BOOK FOR CIVIL WORKS

## VOLUME I

(PUBLIC WORKS DEPARTMENT)

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# STANDARD DATA BOOK FOR CIVIL WORKS

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# STANDARD DATA BOOK FOR CIVIL WORKS

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# STANDARD DATA BOOK FOR CIVIL WORKS

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(Chennai Metropolitan Water Supply and Sewerage Board)

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**Public Works Department  
(PWD)**

**SUB DATA - MORTAR**  
**MORTAR ( MANUAL MIX ) - RIVER SAND**

| Sl. No.         | Qty.                       | Unit | Description                    | Rate | Per  | Amount |
|-----------------|----------------------------|------|--------------------------------|------|------|--------|
| <b>SUB-DATA</b> |                            |      |                                |      |      |        |
| 1               | <b>Cement Mortar 1:1</b>   |      |                                |      |      |        |
|                 | 1440.00                    | kg   | Cement                         |      | MT   |        |
|                 | 1.00                       | Cu.m | Sand                           |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                |      |      |        |
| 2               | <b>Cement Mortar 1:1.5</b> |      |                                |      |      |        |
|                 | 960.00                     | KG   | Cement                         |      | MT   |        |
|                 | 1.00                       | Cu.m | Sand                           |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                |      |      |        |
| 3               | <b>Cement Mortar 1:2</b>   |      |                                |      |      |        |
|                 | 720.00                     | kg   | Cement                         |      | MT   |        |
|                 | 1.00                       | Cu.m | Sand                           |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                |      |      |        |
| 4               | <b>Cement Mortar 1:3</b>   |      |                                |      |      |        |
|                 | 480.00                     | kg   | Cement                         |      | MT   |        |
|                 | 1.00                       | Cu.m | Sand                           |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                |      |      |        |
| 5               | <b>Cement Mortar 1:4</b>   |      |                                |      |      |        |
|                 | 360.00                     | KG   | Cement                         |      | MT   |        |
|                 | 1.00                       | Cu.m | Sand                           |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                |      |      |        |
| 6               | <b>Cement Mortar 1:5</b>   |      |                                |      |      |        |

| SI. No.   | Qty.   | Unit | Description                    | Rate | Per  | Amount |
|-----------|--|------|--------------------------------|------|------|--------|
|           | 288.00   | KG   | Cement                         |      | MT   |        |
|           | 1.00   | Cu.m | Sand                           |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                |      |      |        |
| <b>7</b>  | <b>Cement Mortar 1:6</b>                                   |      |                                |      |      |        |
|           | 240.00   | kg   | Cement                         |      | MT   |        |
|           | 1.00   | Cu.m | Sand                           |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                |      |      |        |
| <b>8</b>  | <b>Cement Mortar 1:8</b>                                   |      |                                |      |      |        |
|           | 180.00   | kg   | Cement                         |      | MT   |        |
|           | 1.00   | Cu.m | Sand                           |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                |      |      |        |
| <b>9</b>  | <b>LIME MORTAR 1:2</b>                                     |      |                                |      |      |        |
|           | 0.50   | Cu.m | Lime Stone                     |      | Cu.m |        |
|           | 1.00   | Cu.m | Sand                           |      | Cu.m |        |
|           | 1.00   | Cu.m | Grinding Mortar                |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>         |      |      |        |
| <b>10</b> | <b>Lime Mortar 1:2 using Shell Lime for Vertical Joint</b> |      |                                |      |      |        |
|           | 0.50   | Cu.m | Shell Lime                     |      | Cu.m |        |
|           | 1.00   | Cu.m | Sand                           |      | Cu.m |        |
|           | 1.00   | Cu.m | Grinding Mortar                |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>         |      |      |        |
| <b>11</b> | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b>         |      |                                |      |      |        |
|           | 209.70   | kg   | Cement                         |      | MT   |        |
|           | 0.14   | Cu.m | Lime Stone                     |      | Cu.m |        |
|           | 1.00   | Cu.m | Sand                           |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges (Manual mixing) |      | Cu.m |        |

| Sl. No. | Qty.   | Unit | Description                     | Rate | Per  | Amount |
|---------|--|------|---------------------------------|------|------|--------|
|         | 1.00   | Cu.m | Grinding Mortar                 |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 12      | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b>   |      |                                 |      |      |        |
|         | 180.00   | kg   | Cement                          |      | MT   |        |
|         | 0.13   | Cu.m | Lime Stone                      |      | Cu.m |        |
|         | 1.00   | Cu.m | Sand                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Manual mixing)  |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                 |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 13      | <b>Brick Jelly Lime Concrete 1:2:5 using 40mm brick jelly in Lime Mortar 1:2 using limestone and sand - 10 Cu.m</b>  |      |                                 |      |      |        |
|         | 9.50   | Cu.m | Broken Brick Jelly (40mm size ) |      | Cu.m |        |
|         | 3.80   | Cu.m | Lime Mortar 1:2 (Manual Mixing) |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class                  |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category-I              |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category-II             |      | Each |        |
|         |  |      | Total for 10 Cu.m               |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 14      | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in Lime Mortar 1:2 using limestone and sand - 10 Cu.m</b>  |      |                                 |      |      |        |
|         | 9.50   | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |
|         | 3.80   | Cu.m | Lime Mortar 1:2 (Manual Mixing) |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class                  |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category-I              |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category-II             |      | Each |        |
|         |  |      | Total for 10 Cu.m               |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 15      | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in Lime Mortar 1:2 using Shell lime and sand - 10 Cu.m</b> |      |                                 |      |      |        |
|         | 9.50   | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |

| <b>Sl. No.</b> | <b>Qty.</b> | <b>Unit</b> | <b>Description</b>              | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|----------------|-------------|-------------|---------------------------------|-------------|------------|---------------|
|                | 3.80        | Cu.m        | Lime Mortar 1:2 (Manual Mixing) |             | Cu.m       |               |
|                | 1.80        | Nos.        | Mason II Class                  |             | Each       |               |
|                | 17.70       | Nos.        | Mazdoor Category-I              |             | Each       |               |
|                | 14.10       | Nos.        | Mazdoor Category-II             |             | Each       |               |
|                |             |             | Total for 10 Cu.m               |             |            |               |
|                |             |             | <b>Rate for 1 Cu.m</b>          |             |            |               |

**MORTAR ( MACHINE MIX ) - RIVER SAND**

| <b>Sl. No.</b>  | <b>Qty.</b>                | <b>Unit</b> | <b>Description</b>              | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|-----------------|----------------------------|-------------|---------------------------------|-------------|------------|---------------|
| <b>SUB-DATA</b> |                            |             |                                 |             |            |               |
| 16              | <b>Cement Mortar 1:1</b>   |             |                                 |             |            |               |
|                 | 1440.00                    | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Sand                            |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 17              | <b>Cement Mortar 1:1.5</b> |             |                                 |             |            |               |
|                 | 960.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Sand                            |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 18              | <b>Cement Mortar 1:2</b>   |             |                                 |             |            |               |
|                 | 720.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Sand                            |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 19              | <b>Cement Mortar 1:3</b>   |             |                                 |             |            |               |
|                 | 480.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Sand                            |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 20              | <b>Cement Mortar 1:4</b>   |             |                                 |             |            |               |
|                 | 360.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Sand                            |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 21              | <b>Cement Mortar 1:5</b>   |             |                                 |             |            |               |
|                 | 288.00                     | kg          | Cement                          |             | MT         |               |

| Sl. No. | Qty.   | Unit | Description                     | Rate | Per  | Amount |
|---------|--|------|---------------------------------|------|------|--------|
|         | 1.00   | Cu.m | Sand                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 22      | <b>Cement Mortar 1:6</b>                           |      |                                 |      |      |        |
|         | 240.00   | kg   | Cement                          |      | MT   |        |
|         | 1.00   | Cu.m | Sand                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 23      | <b>Cement Mortar 1:8</b>                           |      |                                 |      |      |        |
|         | 180.00   | kg   | Cement                          |      | MT   |        |
|         | 1.00   | Cu.m | Sand                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 24      | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b> |      |                                 |      |      |        |
|         | 209.70   | kg   | Cement                          |      | MT   |        |
|         | 0.14   | Cu.m | Lime Stone                      |      | Cu.m |        |
|         | 1.00   | Cu.m | Sand                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         | 1.00   | Cu.m | GRINDING MORTAR                 |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 25      | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b> |      |                                 |      |      |        |
|         | 180.00   | kg   | Cement                          |      | MT   |        |
|         | 0.13   | Cu.m | Lime Stone                      |      | Cu.m |        |
|         | 1.00   | Cu.m | Sand                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                 |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |

**MORTAR - ( MANUAL MIX ) - CRUSHED STONE SAND**

| Sl. No.         | Qty.                       | Unit | Description                                 | Rate | Per  | Amount |
|-----------------|----------------------------|------|---|------|------|--------|
| <b>SUB-DATA</b> |                            |      |   |      |      |        |
| <b>26</b>       | <b>Cement Mortar 1:1</b>   |      |   |      |      |        |
|                 | 1440.00                    | kg   | Cement                                      |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|                 | 5.76                       | lit  | Mortar Plasticizer (Liquid) @ 200ml per bag |      | lit  |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                             |      |      |        |
| <b>27</b>       | <b>Cement Mortar 1:1.5</b> |      |   |      |      |        |
|                 | 960.00                     | kg   | Cement                                      |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|                 | 3.84                       | lit  | Mortar Plasticizer (Liquid) @ 200ml per bag |      | lit  |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                             |      |      |        |
| <b>28</b>       | <b>Cement Mortar 1:2</b>   |      |   |      |      |        |
|                 | 720.00                     | kg   | Cement                                      |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|                 | 2.88                       | lit  | Mortar Plasticizer (Liquid) @ 200ml per bag |      | lit  |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                             |      |      |        |
| <b>29</b>       | <b>Cement Mortar 1:3</b>   |      |   |      |      |        |
|                 | 480.00                     | kg   | Cement                                      |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|                 | 1.92                       | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag  |      | Lit  |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                             |      |      |        |
| <b>30</b>       | <b>Cement Mortar 1:4</b>   |      |   |      |      |        |
|                 | 360.00                     | kg   | Cement                                      |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |

| Sl. No.   | Qty.                                   | Unit | Description                                 | Rate | Per  | Amount |
|-----------|--|------|---|------|------|--------|
|           | 1.44                                   | lit  | Mortar Plasticizer (Liquid) @ 200ml per bag |      | lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>31</b> | <b>Cement Mortar 1:5</b>               |      |   |      |      |        |
|           | 288.00                                 | KG   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|           | 1.15                                   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag  |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>32</b> | <b>Cement Mortar 1:6</b>               |      |   |      |      |        |
|           | 240.00                                 | kg   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|           | 0.96                                   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag  |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>33</b> | <b>Cement Mortar 1:8</b>               |      |   |      |      |        |
|           | 180.00                                 | kg   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|           | 0.72                                   | lit  | Mortar Plasticizer (Liquid) @ 200ml per bag |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>34</b> | <b>Cement Mortar 1:3 (with P Sand)</b> |      |   |      |      |        |
|           | 480.00                                 | kg   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Plastering Sand                             |      | Cu.m |        |
|           | 1.92                                   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag  |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)              |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                      |      |      |        |
| <b>35</b> | <b>Cement Mortar 1:4 (with P Sand)</b> |      |   |      |      |        |
|           | 360.00                                 | kg   | Cement                                      |      | MT   |        |

| Sl. No.   | Qty.   | Unit | Description                                | Rate | Per  | Amount |
|-----------|--|------|--|------|------|--------|
|           | 1.00   | Cu.m | Plastering Sand                            |      | Cu.m |        |
|           | 1.44   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag |      | Lit  |        |
|           | 1.00   | Cu.m | Mixing Charges (Manual Mixing)             |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |
| <b>36</b> | <b>Cement Mortar 1:5 (with P Sand)</b>   |      |  |      |      |        |
|           | 288.00   | kg   | Cement                                     |      | MT   |        |
|           | 1.00   | Cu.m | Plastering Sand                            |      | Cu.m |        |
|           | 1.15   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag |      | Lit  |        |
|           | 1.00   | Cu.m | Mixing Charges (Manual Mixing)             |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |
| <b>37</b> | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b>   |      |  |      |      |        |
|           | 209.70   | kg   | Cement                                     |      | MT   |        |
|           | 0.14   | Cu.m | Lime Stone                                 |      | Cu.m |        |
|           | 1.00   | Cu.m | Crushed Stone Sand for Mortar              |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges (Manual Mixing)             |      | Cu.m |        |
|           | 1.00   | Cu.m | Grinding Mortar                            |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |
| <b>38</b> | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b>   |      |  |      |      |        |
|           | 180.00   | kg   | Cement                                     |      | MT   |        |
|           | 0.13   | Cu.m | Lime Stone                                 |      | Cu.m |        |
|           | 1.00   | Cu.m | Crushed Stone Sand for Mortar              |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges                             |      | Cu.m |        |
|           | 1.00   | Cu.m | Grinding Mortar                            |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |
| <b>39</b> | <b>Brick Jelly Lime Concrete 1:2:5 using 40mm brick jelly in Lime Mortar 1:2 using lime stone and crushed stone sand - 10 Cu.m (For Non-Structural works only)</b> |      |  |      |      |        |
|           | 9.50   | Cu.m | Broken Brick Jelly (40mm size )            |      | Cu.m |        |
|           | 1.90   | Cu.m | Lime Stone                                 |      | Cu.m |        |
|           | 3.80   | Cu.m | Crushed Stone Sand                         |      | Cu.m |        |
|           | 3.80   | Cu.m | Grinding mortar                            |      | Cu.m |        |

| Sl. No.   | Qty.  | Unit | Description                     | Rate | Per  | Amount |
|-----------|---|------|---------------------------------|------|------|--------|
|           | 1.80  | Nos. | Mason II Class                  |      | Each |        |
|           | 17.70   | Nos. | Mazdoor Category-I              |      | Each |        |
|           | 14.10   | Nos. | Mazdoor Category-II             |      | Each |        |
|           |   |      | Total for 10 Cu.m               |      |      |        |
|           |   |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| <b>40</b> | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in Lime Mortar 1:2 using limestone and crushed stone sand - 10 cu.m (For Non-Structural works only)</b> |      |                                 |      |      |        |
|           | 9.50  | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |
|           | 1.90  | Cu.m | Lime Stone                      |      | Cu.m |        |
|           | 3.80  | Cu.m | Crushed Stone Sand              |      | Cu.m |        |
|           | 3.80  | Cu.m | Grinding mortar                 |      | Cu.m |        |
|           | 1.80  | Nos. | Mason II Class                  |      | Each |        |
|           | 17.70   | Nos. | Mazdoor Category-I              |      | Each |        |
|           | 14.10   | Nos. | Mazdoor Category-II             |      | Each |        |
|           |   |      | Total for 10 Cu.m               |      |      |        |
|           |   |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| <b>41</b> | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in Lime Mortar 1:2 using Shell lime and Crushed Stone sand - 10 cu.m(For Non-Structural works only)</b> |      |                                 |      |      |        |
|           | 9.50  | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |
|           | 1.90  | Cu.m | Shell Lime                      |      | Cu.m |        |
|           | 3.80  | Cu.m | Crushed Stone Sand              |      | Cu.m |        |
|           | 3.80  | Cu.m | Grinding mortar                 |      | Cu.m |        |
|           | 1.80  | Nos. | Mason II Class                  |      | Each |        |
|           | 17.70   | Nos. | Mazdoor Category-I              |      | Each |        |
|           | 14.10   | Nos. | Mazdoor Category-II             |      | Each |        |
|           |   |      | Total for 10 Cu.m               |      |      |        |
|           |   |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| <b>42</b> | <b>Labour wrought and put up for 1 Cu.m</b>   |      |                                 |      |      |        |
|           | 4.50  | Nos. | Carpenter I Class               |      | Each |        |
|           | 13.20   | Nos. | Carpenter II Class              |      | Each |        |
|           | 8.80  | Nos. | Mazdoor Category-I              |      | Each |        |

| Sl. No.   | Qty.   | Unit | Description                      | Rate | Per  | Amount |
|-----------|--|------|----------------------------------|------|------|--------|
|           |  |      | Sundries for nails, screws, etc. |      |      |        |
|           |  |      | <b>Rate for 1 Cu.m</b>           |      |      |        |
| <b>43</b> | <b>Priming coat for new iron work - 10 sq.m.</b> |      |                                  |      |      |        |
|           | 1.33   | lit. | Red oxide primer                 |      | lit. |        |
|           | 0.70   | Nos. | Painter I Class                  |      | Nos. |        |
|           |  |      | Sundries for brushes etc.,       |      | LS   |        |
|           |  |      | Rate for 10 sq.m.                |      |      |        |
|           |  |      | <b>Rate for 1 sq.m.</b>          |      |      |        |

**MORTAR - ( MACHINE MIX ) - CRUSHED STONE SAND**

| <b>Sl. No.</b>  | <b>Qty.</b> | <b>Unit</b> | <b>Description</b>                          | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|-----------------|-------------|-------------|---|-------------|------------|---------------|
| <b>SUB-DATA</b> |             |             |   |             |            |               |
| <b>44</b>       |             |             | <b>Cement Mortar 1:1</b>                    |             |            |               |
|                 | 1440.00     | kg          | Cement                                      |             | MT         |               |
|                 | 1.00        | Cu.m        | Crushed Stone Sand                          |             | Cu.m       |               |
|                 | 5.76        | lit         | Mortar Plasticizer (Liquid) @ 200ml per bag |             | lit        |               |
|                 | 1.00        | Cu.m        | Mixing Charges (Machine Mixing)             |             | Cu.m       |               |
|                 |             |             | Rate for 1 Cu.m                             |             |            |               |
| <b>45</b>       |             |             | <b>Cement Mortar 1:1.5</b>                  |             |            |               |
|                 | 960.00      | kg          | Cement                                      |             | MT         |               |
|                 | 1.00        | Cu.m        | Crushed Stone Sand                          |             | Cu.m       |               |
|                 | 3.84        | lit         | Mortar Plasticizer (Liquid) @ 200ml per bag |             | lit        |               |
|                 | 1.00        | Cu.m        | Mixing Charges (Machine Mixing)             |             | Cu.m       |               |
|                 |             |             | Rate for 1 Cu.m                             |             |            |               |
| <b>46</b>       |             |             | <b>Cement Mortar 1:2</b>                    |             |            |               |
|                 | 720.00      | kg          | Cement                                      |             | MT         |               |
|                 | 1.00        | Cu.m        | Crushed Stone Sand                          |             | Cu.m       |               |
|                 | 2.88        | lit         | Mortar Plasticizer (Liquid) @ 200ml per bag |             | lit        |               |
|                 | 1.00        | Cu.m        | Mixing Charges(Machine Mixing)              |             | Cu.m       |               |
|                 |             |             | Rate for 1 Cu.m                             |             |            |               |
| <b>47</b>       |             |             | <b>Cement Mortar 1:3</b>                    |             |            |               |
|                 | 480.00      | kg          | Cement                                      |             | MT         |               |
|                 | 1.00        | Cu.m        | Crushed Stone Sand                          |             | Cu.m       |               |
|                 | 1.92        | lit         | Mortar Plasticizer (Liquid)@ 200ml per bag  |             | Lit        |               |
|                 | 1.00        | Cu.m        | Mixing Charges (Machine Mixing)             |             | Cu.m       |               |
|                 |             |             | Rate for 1 Cu.m                             |             |            |               |
| <b>48</b>       |             |             | <b>Cement Mortar 1:4</b>                    |             |            |               |
|                 | 360.00      | kg          | Cement                                      |             | MT         |               |
|                 | 1.00        | Cu.m        | Crushed Stone Sand                          |             | Cu.m       |               |

| Sl. No.   | Qty.                                   | Unit | Description                                 | Rate | Per  | Amount |
|-----------|--|------|---|------|------|--------|
|           | 1.44                                   | lit  | Mortar Plasticizer (Liquid) @ 200ml per bag |      | lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)             |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>49</b> | <b>Cement Mortar 1:5</b>               |      |   |      |      |        |
|           | 288.00                                 | kg   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|           | 1.15                                   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag  |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)             |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>50</b> | <b>Cement Mortar 1:6</b>               |      |   |      |      |        |
|           | 240.00                                 | kg   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|           | 0.96                                   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag  |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)             |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>51</b> | <b>Cement Mortar 1:8</b>               |      |   |      |      |        |
|           | 180.00                                 | kg   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Crushed Stone Sand                          |      | Cu.m |        |
|           | 0.72                                   | lit  | Mortar Plasticizer (Liquid) @ 200ml per bag |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges(Machine Mixing)              |      | Cu.m |        |
|           |  |      | Rate for 1 Cu.m                             |      |      |        |
| <b>52</b> | <b>Cement Mortar 1:3 (with P Sand)</b> |      |   |      |      |        |
|           | 480.00                                 | KG   | Cement                                      |      | MT   |        |
|           | 1.00                                   | Cu.m | Plastering Sand                             |      | Cu.m |        |
|           | 1.92                                   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag  |      | Lit  |        |
|           | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)             |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                      |      |      |        |
| <b>53</b> | <b>Cement Mortar 1:4 (with P Sand)</b> |      |   |      |      |        |
|           | 360.00                                 | kg   | Cement                                      |      | MT   |        |

| Sl. No.   | Qty.   | Unit | Description                                | Rate | Per  | Amount |
|-----------|--|------|--|------|------|--------|
|           | 1.00   | Cu.m | Plastering Sand                            |      | Cu.m |        |
|           | 1.44   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag |      | Lit  |        |
|           | 1.00   | Cu.m | Mixing Charges (Machine Mixing)            |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |
| <b>54</b> | <b>Cement Mortar 1:5 (with P Sand)</b>             |      |  |      |      |        |
|           | 288.00   | kg   | Cement                                     |      | MT   |        |
|           | 1.00   | Cu.m | Plastering Sand                            |      | Cu.m |        |
|           | 1.15   | lit  | Mortar Plasticizer (Liquid)@ 200ml per bag |      | Lit  |        |
|           | 1.00   | Cu.m | Mixing Charges (Machine Mixing)            |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |
|           |  |      |  |      |      |        |
| <b>55</b> | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b> |      |  |      |      |        |
|           | 209.70   | kg   | Cement                                     |      | MT   |        |
|           | 0.14   | Cu.m | Lime Stone                                 |      | Cu.m |        |
|           | 1.00   | Cu.m | Crushed Stone Sand for Mortar              |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges (Machine Mixing)            |      | Cu.m |        |
|           | 1.00   | Cu.m | Grinding Mortar                            |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |
|           |  |      |  |      |      |        |
| <b>56</b> | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b> |      |  |      |      |        |
|           | 180.00   | kg   | Cement                                     |      | MT   |        |
|           | 0.13   | Cu.m | Lime Stone                                 |      | Cu.m |        |
|           | 1.00   | Cu.m | Crushed stone sand FOR MORTAR              |      | Cu.m |        |
|           | 1.00   | Cu.m | Mixing Charges (Machine Mixing)            |      | Cu.m |        |
|           | 1.00   | Cu.m | Grinding Mortar                            |      | Cu.m |        |
|           |  |      | <b>Rate for 1 Cu.m</b>                     |      |      |        |

**MORTAR ( MANUAL MIX ) - CRUSHED GRAVEL SAND**

| <b>Sl. No.</b>  | <b>Qty.</b>                | <b>Unit</b> | <b>Description</b>             | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|-----------------|----------------------------|-------------|--------------------------------|-------------|------------|---------------|
| <b>SUB-DATA</b> |                            |             |                                |             |            |               |
| <b>57</b>       | <b>Cement Mortar 1:1</b>   |             |                                |             |            |               |
|                 | 1440.00                    | kg          | Cement                         |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)   |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                |             |            |               |
| <b>58</b>       | <b>Cement Mortar 1:1.5</b> |             |                                |             |            |               |
|                 | 960.00                     | kg          | Cement                         |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)   |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                |             |            |               |
| <b>59</b>       | <b>Cement Mortar 1:2</b>   |             |                                |             |            |               |
|                 | 720.00                     | kg          | Cement                         |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)   |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                |             |            |               |
| <b>60</b>       | <b>Cement Mortar 1:3</b>   |             |                                |             |            |               |
|                 | 480.00                     | kg          | Cement                         |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)   |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                |             |            |               |
| <b>61</b>       | <b>Cement Mortar 1:4</b>   |             |                                |             |            |               |
|                 | 360.00                     | KG          | Cement                         |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)   |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                |             |            |               |
| <b>62</b>       | <b>Cement Mortar 1:5</b>   |             |                                |             |            |               |
|                 | 288.00                     | KG          | Cement                         |             | MT         |               |

| Sl. No. | Qty.                                   | Unit | Description                    | Rate | Per  | Amount |
|---------|--|------|--------------------------------|------|------|--------|
|         | 1.00                                   | Cu.m | Crushed Gravel Sand (M-Sand)   |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                |      |      |        |
| 63      | <b>Cement Mortar 1:6</b>               |      |                                |      |      |        |
|         | 240.00                                 | kg   | Cement                         |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Gravel Sand (M-Sand)   |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                |      |      |        |
| 64      | <b>Cement Mortar 1:8</b>               |      |                                |      |      |        |
|         | 180.00                                 | kg   | Cement                         |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Gravel Sand (M-Sand)   |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                |      |      |        |
| 65      | <b>Cement Mortar 1:3 (with P Sand)</b> |      |                                |      |      |        |
|         | 480.00                                 | kg   | Cement                         |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Gravel Sand (P-Sand)   |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>         |      |      |        |
| 66      | <b>Cement Mortar 1:4 (with P Sand)</b> |      |                                |      |      |        |
|         | 360.00                                 | kg   | Cement                         |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Gravel Sand (P-Sand)   |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>         |      |      |        |
|         |  |      |                                |      |      |        |
| 67      | <b>Cement Mortar 1:5 (with P Sand)</b> |      |                                |      |      |        |
|         | 288.00                                 | kg   | Cement                         |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Gravel Sand (P-Sand)   |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing) |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>         |      |      |        |

| Sl. No. | Qty.   | Unit | Description                     | Rate | Per  | Amount |
|---------|--|------|---------------------------------|------|------|--------|
| 68      |  |      | <b>Lime Mortar 1:2</b>          |      |      |        |
|         | 0.50   | Cu.m | Lime Stone                      |      | Cu.m |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (M-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                 |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 69      | <b>Lime Mortar 1:2 using Shell Lime for Vertical Joint</b>   |      |                                 |      |      |        |
|         | 0.50   | Cu.m | Shell Lime                      |      | Cu.m |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (M-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                 |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 70      | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b>   |      |                                 |      |      |        |
|         | 209.70   | kg   | Cement                          |      | MT   |        |
|         | 0.14   | Cu.m | Lime Stone                      |      | Cu.m |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (M-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Manual Mixing)  |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                 |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 71      | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b>   |      |                                 |      |      |        |
|         | 180.00   | kg   | Cement                          |      | MT   |        |
|         | 0.13   | Cu.m | Lime Stone                      |      | Cu.m |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (M-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Manual Mixing)  |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                 |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 72      | <b>Brick Jelly Lime Concrete 1:2:5 using 40mm brick jelly in Lime Mortar 1:2 using lime stone and Crushed Gravel sand- 10 Cu.m</b> |      |                                 |      |      |        |
|         | 9.50   | Cu.m | Broken Brick Jelly (40mm size ) |      | Cu.m |        |
|         | 3.80   | Cu.m | Lime Mortar 1:2                 |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class                  |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category-I              |      | Each |        |

| Sl. No. | Qty.  | Unit | Description                     | Rate | Per  | Amount |
|---------|---|------|---------------------------------|------|------|--------|
|         | 14.10   | Nos. | Mazdoor Category-II             |      | Each |        |
|         |   |      | Total for 10 Cu.m               |      |      |        |
|         |   |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 73      | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in Lime Mortar 1:2 using limestone and Crushed Gravel sand - 10 Cu.m</b>  |      |                                 |      |      |        |
|         | 9.50  | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |
|         | 3.80  | Cu.m | Lime Mortar 1:2                 |      | Cu.m |        |
|         | 1.80  | Nos. | Mason II Class                  |      | Each |        |
|         | 17.70   | Nos. | Mazdoor Category-I              |      | Each |        |
|         | 14.10   | Nos. | Mazdoor Category-II             |      | Each |        |
|         |   |      | Total for 10 Cu.m               |      |      |        |
|         |   |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 74      | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in lime mortar 1:2 using shell lime and Crushed Gravel sand - 10 cu.m</b> |      |                                 |      |      |        |
|         | 9.50  | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |
|         | 3.80  | Cu.m | Lime Mortar 1:2                 |      | Cu.m |        |
|         | 1.80  | Nos. | Mason II Class                  |      | Each |        |
|         | 17.70   | Nos. | Mazdoor Category-I              |      | Each |        |
|         | 14.10   | Nos. | Mazdoor Category-II             |      | Each |        |
|         |   |      | Total for 10 Cu.m               |      |      |        |
|         |   |      | <b>Rate for 1 Cu.m</b>          |      |      |        |

**MORTAR ( MACHINE MIX ) - CRUSHED GRAVEL SAND**

| <b>Sl. No.</b>  | <b>Qty.</b>                | <b>Unit</b> | <b>Description</b>              | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|-----------------|----------------------------|-------------|---------------------------------|-------------|------------|---------------|
| <b>SUB-DATA</b> |                            |             |                                 |             |            |               |
| 75              | <b>Cement Mortar 1:1</b>   |             |                                 |             |            |               |
|                 | 1440.00                    | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 76              | <b>Cement Mortar 1:1.5</b> |             |                                 |             |            |               |
|                 | 960.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 77              | <b>Cement Mortar 1:2</b>   |             |                                 |             |            |               |
|                 | 720.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges(Machine Mixing)  |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 78              | <b>Cement Mortar 1:3</b>   |             |                                 |             |            |               |
|                 | 480.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 79              | <b>Cement Mortar 1:4</b>   |             |                                 |             |            |               |
|                 | 360.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                 |             |            |               |
| 80              | <b>Cement Mortar 1:5</b>   |             |                                 |             |            |               |
|                 | 288.00                     | kg          | Cement                          |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |

| Sl. No. | Qty.   | Unit | Description                     | Rate | Per  | Amount |
|---------|--|------|---------------------------------|------|------|--------|
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 81      | <b>Cement Mortar 1:6</b>                           |      |                                 |      |      |        |
|         | 240.00   | kg   | Cement                          |      | MT   |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (M-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 82      | <b>Cement Mortar 1:8</b>                           |      |                                 |      |      |        |
|         | 180.00   | kg   | Cement                          |      | MT   |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (M-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges(Machine Mixing)  |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                 |      |      |        |
| 83      | <b>Cement Mortar 1:3 (with P Sand)</b>             |      |                                 |      |      |        |
|         | 480.00   | kg   | Cement                          |      | MT   |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (P-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 84      | <b>Cement Mortar 1:4 (with P Sand)</b>             |      |                                 |      |      |        |
|         | 360.00   | kg   | Cement                          |      | MT   |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (P-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 85      | <b>Cement Mortar 1:5 (with P Sand)</b>             |      |                                 |      |      |        |
|         | 288.00   | kg   | Cement                          |      | MT   |        |
|         | 1.00   | Cu.m | Crushed Gravel Sand (P-Sand)    |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing) |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 86      | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b> |      |                                 |      |      |        |
|         | 209.70   | kg   | Cement                          |      | MT   |        |

| <b>Sl. No.</b> | <b>Qty.</b>  | <b>Unit</b> | <b>Description</b>              | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|----------------|--|-------------|---------------------------------|-------------|------------|---------------|
|                | 0.14   | Cu.m        | Lime Stone                      |             | Cu.m       |               |
|                | 1.00   | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |
|                | 1.00   | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                | 1.00   | Cu.m        | Grinding Mortar                 |             | Cu.m       |               |
|                |  |             | <b>Rate for 1 Cu.m</b>          |             |            |               |
| <b>87</b>      | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b> |             |                                 |             |            |               |
|                | 180.00   | kg          | Cement                          |             | MT         |               |
|                | 0.13   | Cu.m        | Lime Stone                      |             | Cu.m       |               |
|                | 1.00   | Cu.m        | Crushed Gravel Sand (M-Sand)    |             | Cu.m       |               |
|                | 1.00   | Cu.m        | Mixing Charges (Machine Mixing) |             | Cu.m       |               |
|                | 1.00   | Cu.m        | Grinding Mortar                 |             | Cu.m       |               |
|                |  |             | <b>Rate for 1 Cu.m</b>          |             |            |               |

**MORTAR - ( MANUAL MIX ) - CRUSHED SAND FROM OVERBURDEN**

| <b>Sl. No.</b>  | <b>Qty.</b>                | <b>Unit</b> | <b>Description</b>                    | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|-----------------|----------------------------|-------------|---------------------------------------|-------------|------------|---------------|
| <b>SUB-DATA</b> |                            |             |                                       |             |            |               |
| <b>88</b>       | <b>Cement Mortar 1:1</b>   |             |                                       |             |            |               |
|                 | 1440.00                    | kg          | Cement                                |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Sand from Overburden (M-Sand) |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing)        |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                       |             |            |               |
| <b>89</b>       | <b>Cement Mortar 1:1.5</b> |             |                                       |             |            |               |
|                 | 960.00                     | KG          | CEMENT                                |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Sand from Overburden (M-Sand) |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing)        |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                       |             |            |               |
| <b>90</b>       | <b>Cement Mortar 1:2</b>   |             |                                       |             |            |               |
|                 | 720.00                     | kg          | Cement                                |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Sand from Overburden (M-Sand) |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing)        |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                       |             |            |               |
| <b>91</b>       | <b>Cement Mortar 1:3</b>   |             |                                       |             |            |               |
|                 | 480.00                     | kg          | Cement                                |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Sand from Overburden (M-Sand) |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing)        |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                       |             |            |               |
| <b>92</b>       | <b>Cement Mortar 1:4</b>   |             |                                       |             |            |               |
|                 | 360.00                     | kg          | Cement                                |             | MT         |               |
|                 | 1.00                       | Cu.m        | Crushed Sand from Overburden (M-Sand) |             | Cu.m       |               |
|                 | 1.00                       | Cu.m        | Mixing Charges (Manual Mixing)        |             | Cu.m       |               |
|                 |                            |             | Rate for 1 Cu.m                       |             |            |               |
| <b>93</b>       | <b>Cement Mortar 1:5</b>   |             |                                       |             |            |               |
|                 | 288.00                     | kg          | Cement                                |             | MT         |               |

| Sl. No. | Qty.                                   | Unit | Description                           | Rate | Per  | Amount |
|---------|--|------|---------------------------------------|------|------|--------|
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)        |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 94      | <b>Cement Mortar 1:6</b>               |      |                                       |      |      |        |
|         | 240.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)        |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 95      | <b>Cement Mortar 1:8</b>               |      |                                       |      |      |        |
|         | 180.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)        |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 96      | <b>Cement Mortar 1:3 (with P Sand)</b> |      |                                       |      |      |        |
|         | 480.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (P-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)        |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>                |      |      |        |
| 97      | <b>Cement Mortar 1:4 (with P Sand)</b> |      |                                       |      |      |        |
|         | 360.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (P-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)        |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>                |      |      |        |
|         |  |      |                                       |      |      |        |
| 98      | <b>Cement Mortar 1:5 (with P Sand)</b> |      |                                       |      |      |        |
|         | 288.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (P-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Manual Mixing)        |      | Cu.m |        |
|         |  |      | <b>Rate for 1 Cu.m</b>                |      |      |        |

| Sl. No. | Qty.  | Unit | Description                           | Rate | Per  | Amount |
|---------|---|------|---------------------------------------|------|------|--------|
| 99      |   |      | <b>Lime Mortar 1:2</b>                |      |      |        |
|         | 0.50  | Cu.m | Lime Stone                            |      | Cu.m |        |
|         | 1.00  | Cu.m | Crushed Sand from overburden (M-Sand) |      | Cu.m |        |
|         | 1.00  | Cu.m | Grinding Mortar                       |      | Cu.m |        |
|         |   |      | Rate for 1 Cu.m                       |      |      |        |
| 100     | <b>Lime Mortar 1:2 using Shell Lime for Vertical Joint</b>  |      |                                       |      |      |        |
|         | 0.50  | Cu.m | Shell Lime                            |      | Cu.m |        |
|         | 1.00  | Cu.m | Crushed Sand from overburden (M-Sand) |      | Cu.m |        |
|         | 1.00  | Cu.m | Grinding Mortar                       |      | Cu.m |        |
|         |   |      | Rate for 1 Cu.m                       |      |      |        |
| 101     | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b>  |      |                                       |      |      |        |
|         | 209.70  | kg   | Cement                                |      | MT   |        |
|         | 0.14  | Cu.m | Lime Stone                            |      | Cu.m |        |
|         | 1.00  | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00  | Cu.m | Mixing Charges (Manual Mixing)        |      | Cu.m |        |
|         | 1.00  | Cu.m | Grinding Mortar                       |      | Cu.m |        |
|         |   |      | <b>Rate for 1 Cu.m</b>                |      |      |        |
|         |   |      |                                       |      |      |        |
| 102     | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b>  |      |                                       |      |      |        |
|         | 180.00  | kg   | Cement                                |      | MT   |        |
|         | 0.13  | Cu.m | Lime Stone                            |      | Cu.m |        |
|         | 1.00  | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00  | Cu.m | Mixing Charges (Manual mixing)        |      | Cu.m |        |
|         | 1.00  | Cu.m | Grinding Mortar                       |      | Cu.m |        |
|         |   |      | <b>Rate for 1 Cu.m</b>                |      |      |        |
| 103     | <b>Brick Jelly Lime Concrete 1:2:5 using 40mm brick jelly in Lime Mortar 1:2 using lime stone and Crushed Sand from Overburden- 10 Cu.m</b> |      |                                       |      |      |        |
|         | 9.50  | Cu.m | Broken Brick Jelly (40mm size )       |      | Cu.m |        |
|         | 3.80  | Cu.m | Lime Mortar 1:2                       |      | Cu.m |        |
|         | 1.80  | Nos. | Mason II Class                        |      | Each |        |

| Sl. No. | Qty.   | Unit | Description                     | Rate | Per  | Amount |
|---------|--|------|---------------------------------|------|------|--------|
|         | 17.70  | Nos. | Mazdoor Category-I              |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category-II             |      | Each |        |
|         |  |      | Total for 10 Cu.m               |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 104     | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in Lime Mortar 1:2 using limestone and Crushed Sand from Overburden- 10 Cu.m</b> |      |                                 |      |      |        |
|         | 9.50   | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |
|         | 3.80   | Cu.m | Lime Mortar 1:2                 |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class                  |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category-I              |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category-II             |      | Each |        |
|         |  |      | Total for 10 Cu.m               |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |
| 105     | <b>Brick Jelly Lime Concrete 1:2:5 using 20mm brick jelly in lime stone 1:2 using shell lime and Crushed Sand from Overburden -10 Cu.m</b> |      |                                 |      |      |        |
|         | 9.50   | Cu.m | Broken Brick Jelly (20mm size ) |      | Cu.m |        |
|         | 3.80   | Cu.m | Lime Mortar 1:2                 |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class                  |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category-I              |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category-II             |      | Each |        |
|         |  |      | Total for 10 Cu.m               |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>          |      |      |        |

**MORTAR (MACHINE MIX) - CRUSHED SAND FROM OVERBURDEN**

| Sl. No.         | Qty.                       | Unit | Description                           | Rate | Per  | Amount |
|-----------------|----------------------------|------|---------------------------------------|------|------|--------|
| <b>SUB-DATA</b> |                            |      |                                       |      |      |        |
| 106             | <b>Cement Mortar 1:1</b>   |      |                                       |      |      |        |
|                 | 1440.00                    | kg   | Cement                                |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                       |      |      |        |
| 107             | <b>Cement Mortar 1:1.5</b> |      |                                       |      |      |        |
|                 | 960.00                     | kg   | Cement                                |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                       |      |      |        |
| 108             | <b>Cement Mortar 1:2</b>   |      |                                       |      |      |        |
|                 | 720.00                     | kg   | Cement                                |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges(Machine Mixing)        |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                       |      |      |        |
| 109             | <b>Cement Mortar 1:3</b>   |      |                                       |      |      |        |
|                 | 480.00                     | kg   | Cement                                |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                       |      |      |        |
| 110             | <b>Cement Mortar 1:4</b>   |      |                                       |      |      |        |
|                 | 360.00                     | KG   | Cement                                |      | MT   |        |
|                 | 1.00                       | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|                 | 1.00                       | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|                 |                            |      | Rate for 1 Cu.m                       |      |      |        |
| 111             | <b>Cement Mortar 1:5</b>   |      |                                       |      |      |        |
|                 | 288.00                     | KG   | Cement                                |      | MT   |        |

| Sl. No. | Qty.                                   | Unit | Description                           | Rate | Per  | Amount |
|---------|--|------|---------------------------------------|------|------|--------|
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 112     | <b>Cement Mortar 1:6</b>               |      |                                       |      |      |        |
|         | 240.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 113     | <b>Cement Mortar 1:8</b>               |      |                                       |      |      |        |
|         | 180.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges(Machine Mixing)        |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 114     | <b>Cement Mortar 1:3 (with P Sand)</b> |      |                                       |      |      |        |
|         | 480.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (P-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 115     | <b>Cement Mortar 1:4 (with P Sand)</b> |      |                                       |      |      |        |
|         | 360.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (P-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 116     | <b>Cement Mortar 1:5 (with P Sand)</b> |      |                                       |      |      |        |
|         | 288.00                                 | kg   | Cement                                |      | MT   |        |
|         | 1.00                                   | Cu.m | Crushed Sand from Overburden (P-Sand) |      | Cu.m |        |
|         | 1.00                                   | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |

| Sl. No. | Qty.   | Unit | Description                           | Rate | Per  | Amount |
|---------|--|------|---------------------------------------|------|------|--------|
| 117     | <b>Combination Mortor (Cement:Lime:Sand) 1:1:7</b> |      |                                       |      |      |        |
|         | 209.70   | kg   | Cement                                |      | MT   |        |
|         | 0.14   | Cu.m | Lime Stone                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                       |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |
| 118     | <b>Combination Mortor (Cement:Lime:Sand) 1:1:8</b> |      |                                       |      |      |        |
|         | 180.00   | kg   | Cement                                |      | MT   |        |
|         | 0.13   | Cu.m | Lime Stone                            |      | Cu.m |        |
|         | 1.00   | Cu.m | Crushed Sand from Overburden (M-Sand) |      | Cu.m |        |
|         | 1.00   | Cu.m | Mixing Charges (Machine Mixing)       |      | Cu.m |        |
|         | 1.00   | Cu.m | Grinding Mortar                       |      | Cu.m |        |
|         |  |      | Rate for 1 Cu.m                       |      |      |        |

## EARTHWORK, FILLING BASEMENT AND DPC

| Sl. No. | Qty.   | Unit | Description                                  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
| 119     | Earth work excavation for foundation by manual means <b>for RR/Brick and Other step type footings for Load bearing structures</b> in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2.00mts. and clearing and levelling the site, etc., complete complying with standard specification and as directed by the departmental officers.  |      |  |      |      |        |
|         | <b>Note 1:</b> The cost of earth work excavation shall be calculated based on the classifications of soils furnished in the trial pit details appended with the estimates  |      |  |      |      |        |
|         | 1.00   | Cu.m | Earth work excavation in soil (average rate) |      | Cu.m |        |
|         | 1.00   | Cu.m | Add 100% extra                               |      | Cu.m |        |
|         | 0.33   | Cu.m | Refilling charges                            |      | Cu.m |        |
|         |  |      | Sub Total for 1 cu.m (X)                     |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X         |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>                       |      |      |        |
| 120     | Earth work excavation for foundation by manual means for Isolated, Combined and Other type foundations in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 10 mts and initial lift of 2.00mts. and clearing and levelling the site, etc., complete complying with standard specification and as directed by the departmental officers.   |      |  |      |      |        |
|         | <b>Note2:</b> The cost of earth work excavation shall be calculated based on the classifications of soils furnished in the trial pit details appended with the estimates   |      |  |      |      |        |
|         | 1.00   | cu.m | Earth work excavation in soil (average rate) |      | cu.m |        |
|         | 1.00   | cu.m | Add 100% extra                               |      | cu.m |        |
|         | 0.802  | cu.m | Refilling charges                            |      | cu.m |        |
|         |  |      | Sub Total for 1 cu.m (X)                     |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X         |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>                       |      |      |        |
| 121     | Earth work excavation for foundation by Mechanical means for Isolated & Combined Footing etc in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 100 mts and clearing and levelling including dressing of sides and raming of bottoms etc., complete complying with standard specification and as directed by the departmental officers.- <b>Upto 2.40m Footing Depth.</b><br><br><b>Data worked out for 48 m<sup>3</sup> per day/8 hrs.</b> |      |  |      |      |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per  | Amount |
|---------|---|------|--|------|------|--------|
|         |   |      | For 48 m <sup>3</sup>  |      |      |        |
|         | 8.00  | Hour | Earth Excavator - Wheeled Backhoe loader (0.50 Cu.m Capacity)  |      | Hour |        |
|         | 8.00  | Hour | Tractor with Trailor Incl. Driver and Fuel (For Conveyance of earth upto 100mts)                                       |      | Hour |        |
|         | 6.00  | Nos  | Mazdoor Category I   |      | Each |        |
|         | 38.83   | cu.m | Refilling charges (48x0.802)   |      | cu.m |        |
|         |   |      | Total for 48 Cu.m  |      |      |        |
|         |   |      | Sub Total for 1 cu.m (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
| 122     | <p>Earth work excavation for foundation by Mechanical means for Isolated &amp; Combined Footing etc in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 100 mts and clearing and levelling including dressing of sides and raming of bottoms at the site, etc., complete complying with standard specification and as directed by the departmental officers.</p> <p><b>a. for Footing Depth 2.40m to 3.3m</b><br/> <b>Data Worked out for 54 m<sup>3</sup> per day/8 hrs.</b></p> |      |  |      |      |        |
|         | 8.00  | Hour | Earth Excavator - Crawler/Tracked Excavators - (1 m <sup>3</sup> Capacity)   |      | Hour |        |
|         | 8.00  | Hour | Tractor with Trailor Incl. Driver (For Conveyance of earth upto 100mts)  |      | Hour |        |
|         | 8.00  | Nos  | Mazdoor Category I   |      | Each |        |
|         | 43.308  | cu.m | Refilling charges (54x0.802)   |      | cu.m |        |
|         |   |      | Total for 54 m <sup>3</sup>  |      |      |        |
|         |   |      | Sub Total for 1 cu.m (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
|         |   |      | <b>b. for Footing depth above 3.30m to 4.30m</b>   |      |      |        |
|         | 1.00  | cu.m | Rate for Footing Depth 2.40m to 3.3m without water charges   |      | cu.m |        |
|         | 1.00  | cu.m | Add for forming ramp and additional cutting etc., @ 10% of rate for footing depth 2.4m to 3.30 m without water charges |      | cu.m |        |
|         |   |      | Sub Total for 1 cu.m (Y)   |      |      |        |

| Sl. No. | Qty. | Unit | Description  | Rate | Per  | Amount |
|---------|------|------|--|------|------|--------|
|         |      |      | Add water charges @1% of Sub Total Y   |      |      |        |
|         |      |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
|         |      |      | <b>C. For Footing depth above 4.30 m - For every additional depth of 1m or part thereof over 4.30m</b>   |      |      |        |
|         |      |      | <b>Add extra @ 10% of cost of Preceeding depth (as calculated for footing depth above 3.3m to 4.30 m)</b>  |      |      |        |
|         |      |      |  |      |      |        |
| 123     |      |      | <b>Earth work open excavation by manual means</b> in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the excavated earth with a lead of 10 mts. within the compound in places shown by the departmental officers and clearing and levelling the site, etc., complete complying with standard specification and as directed by the departmental officers.   |      |      |        |
|         | 1.00 | Cu.m | Earth work excavation in soil (average rate) (X)   |      | Cu.m |        |
|         |      |      | Add water charges @1% of above X   |      |      |        |
|         |      |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
| 124     |      |      | Earth work Open excavation by <b>Mechanical Means for Open Earthwork</b> in all soils and sub-soils and to full depth as may be directed except in rock requiring blasting inclusive of shoring shuttering, bailing out water wherever necessary and depositing the surplus earth within the compound in places shown by the departmental officers with an initial lead of 100 mts and clearing and levelling including dressing of sides and raming of bottoms etc., complete complying with standard specification and as directed by the departmental officers. |      |      |        |
|         |      |      | <b>A). Upto 2.40m Depth.<br/>Data worked out for 64 m<sup>3</sup> per day/8 hrs.</b>   |      |      |        |
|         |      |      | For 64 m <sup>3</sup>  |      |      |        |
|         | 8.00 | Hour | Earth Excavator - Wheeled Backhoe loader (0.50 m <sup>3</sup> Capacity)  |      | Hour |        |
|         | 8.00 | Hour | Tractor with Trailor Incl. Driver and fuel (For Conveyance of earth upto 100mts)   |      | Hour |        |
|         | 2.00 | Nos  | Mazdoor Category I   |      | Each |        |
|         |      |      | Total for 64 m <sup>3</sup>  |      |      |        |
|         |      |      | Sub Total for 1cu.m (X)  |      |      |        |
|         |      |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |      |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
|         |      |      | <b>B). Above 2.40m Depth.</b>  |      |      |        |

| Sl. No. | Qty. | Unit | Description  | Rate | Per                    | Amount |
|---------|------|------|--|------|------------------------|--------|
|         |      |      | <b>Add extra for every additional depth of 1m or part thereof over 2.40 m @10 % of Cost of preceding depth as calculated in item 122(b)</b>  |      |                        |        |
|         |      |      | <b>Note 3: Charges for Bailing out water shall be measured separately for below 2.40m Depth.(if necessary)- For Earthwork Open Excavation - Item B</b>   |      |                        |        |
|         |      |      | <b>Note 4: Charges for shoring and shuttering work done for the earthwork beyond 2.4m depth shall be measured and paid separately (if necessary) - For Earthwork Open Excavation - Item B</b>  |      |                        |        |
| 125     |      |      | Controlled Blasting of Hard rock by drilling to a depth of 900mm at 600mm center to center with supplying and filling of Explosive materials and other accessories by using serial connection of nanal type including covering the rock surface with tyre mat, sand bags,etc..including stacking of boulders and conveyance of the same for a lead upto 1KM. |      |                        |        |
|         |      |      | <b>Consider a rock of size 1.5mx1.5mx1m (2.25 Cu.m)</b>  |      |                        |        |
|         |      |      | No of drills required = 9 Nos  |      |                        |        |
|         |      |      | Total drill depth required = 9x0.9=8.1 RM  |      |                        |        |
|         |      |      | <b>For 2.25 Cu.m of Controlled blasting for hard rock.</b>   |      |                        |        |
|         | 8.10 | RM   | Cost of Drilling Holes using Tractor compressor with labour charges  |      | RM                     |        |
|         | 9.00 | Nos. | Cost of Explosive and nanal cables   |      | Nos.                   |        |
|         | LS   | LS   | Cost of filling of explosive materials and other Nanal type including covering the rock surface with tyre mat,sand bags,etc.. including stacking of boulders and conveyance of the same for a lead upto 1KM.   |      | LS @ 20 % of the above |        |
|         |      |      | Rate per 2.25 Cu.m   |      |                        |        |
|         |      |      | Sub Total for 1 Cu.m (X)   |      |                        |        |
|         |      |      | Add water charges @1% of Sub Total X   |      |                        |        |
|         |      |      | <b>Rate for 1 Cu.m</b>   |      |                        |        |
| 126     |      |      | Supplying and filling in foundation, basement, etc with filling crushed stone sand in layers of not more than 15 cm thick well watered, rammed and consolidated etc. complete complying with standard specification and as directed by the departmental officers.  |      |                        |        |
|         | 1.00 | Cu.m | Cost of crushed stone sand for filling   |      | Cu.m                   |        |
|         | 1.00 | Cu.m | Refilling charges  |      | Cu.m                   |        |
|         |      |      | Sub Total for 1 Cu.m (X)   |      |                        |        |
|         |      |      | Add water charges @1% of Sub Total X   |      |                        |        |
|         |      |      | <b>Rate for 1 Cu.m</b>   |      |                        |        |

| Sl. No. | Qty. | Unit | Description  | Rate | Per  | Amount |
|---------|------|------|--|------|------|--------|
| 127     |      |      | Refilling with excavated earth other than sand with an initial head load of 100 mts. and depositing the earth as shown by the departmental officers in layers of not more than 15cm thick well rammed <b>with surface vibrator</b> , watered and consolidated etc., complete complying with standard specification and as directed by the departmental officers. |      |      |        |
|         |      |      | <u>SUB DATA</u><br>Surface Vibrator or Earth Rammer Charges<br>- (out turn - 16 m <sup>3</sup> / day/ 8hrs)  |      |      |        |
|         |      |      | For 1 m <sup>3</sup>   |      |      |        |
|         | 1/16 | Day  | Hire Charges for Surface Vibrator or Earth Rammer Charges Incl. Fuel Charges   |      | Day  |        |
|         | 1/16 | Nos  | Labour Charges for Surface Vibrator Operator- Mazdoor Category I   |      | Nos  |        |
|         |      |      | Sub Total for 1 cu.m (A)   |      |      |        |
|         |      |      | <b>Main Data</b>   |      |      |        |
|         | 1.00 | Cu.m | Refilling with earth other than sand   |      | Cu.m |        |
|         | 1.00 | Cu.m | Surface Vibrator or Earth Rammer Charges as per Sub-data Total A   |      | Cu.m |        |
|         |      |      | Sub Total for 1 cu.m (X)   |      |      |        |
|         |      |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |      |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
| 128     |      |      | Supply and filling in foundation and basement with Gravel in layers of not more than 15cm.thick well rammed watered and compacted <b>with surface vibrator</b> , watered and consolidated etc. complete complying with standard specification and as directed by the departmental officers.  |      |      |        |
|         |      |      | <u>SUB DATA</u><br>Surface Vibrator or Earth Rammer Charges<br>- (out turn - 16 m <sup>3</sup> / day/ 8hrs)  |      |      |        |
|         |      |      | For 1 m <sup>3</sup>   |      |      |        |
|         | 1/16 | Day  | Hire Charges for Surface Vibrator or Earth Rammer Charges Incl. Fuel Charges   |      | Day  |        |
|         | 1/16 | Nos  | Labour Charges for Surface Vibrator Operator- Mazdoor Category I   |      | Nos  |        |
|         |      |      | Sub Total for 1 cu.m (A)   |      |      |        |
|         |      |      | <b>Main Data</b>   |      |      |        |
|         | 1.16 | Cu.m | Cost of Gravel   |      | Cu.m |        |
|         | 1.00 | Cu.m | Filling charge   |      | Cu.m |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per  | Amount |
|---------|---|------|--|------|------|--------|
|         | 1.00  | Cu.m | Surface Vibrator or Earth Rammer Charges as per Sub-data Total A   |      | Cu.m |        |
|         |   |      | Sub Total for 1cu.m (X)  |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
| 129     | Supplying and filling in foundation, basement, etc with Sand Gravel mix in ratio of 1:3 in layers of not more than 15cm thick thoroughly mixed, well watered, rammed with surface vibrator and consolidated etc. complete complying with standard specification and as directed by the departmental officers.   |      |  |      |      |        |
|         |   |      | <u>SUB DATA</u><br>Surface Vibrator or Earth Rammer Charges - (out turn - 16 m <sup>3</sup> / day/ 8hrs) |      |      |        |
|         |   |      | For 1 m <sup>3</sup>   |      |      |        |
|         | 1/16  | Day  | Hire Charges for Surface Vibrator or Earth Rammer Charges Incl. Fuel Charges                             |      | Day  |        |
|         | 1/16  | Nos  | Labour Charges for Surface Vibrator Operator- Mazdoor Category I   |      | Nos  |        |
|         |   |      | Sub Total for 1 Cu.m (A)   |      |      |        |
|         |   |      | <b>MAIN DATA</b>   |      |      |        |
|         | 0.25  | Cu.m | Cost of crushed stone Sand   |      | Cu.m |        |
|         | 0.87  | Cu.m | Cost of Gravel   |      | Cu.m |        |
|         | 1.00  | Cu.m | Mixing charges (Equivalent to Mortar)  |      | Cu.m |        |
|         | 1.00  | Cu.m | Filling charges(other than sand)   |      | Cu.m |        |
|         | 1.00  | Cu.m | Surface Vibrator or Earth Rammer Charges as per Sub-data Total A   |      | Cu.m |        |
|         |   |      | Sub Total for 1 cu.m (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
| 130     | Supplying and filling in foundation, basement, etc with conveyed earth in layers of not more than 150mm thick layers well watered, rammed with surface vibrator and consolidated including conveyance charges etc. complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         |   |      | <u>SUB DATA</u><br>Surface Vibrator or Earth Rammer Charges - (out turn - 16 m <sup>3</sup> / day/ 8hrs) |      |      |        |
|         |   |      | For 1 m <sup>3</sup>   |      |      |        |
|         | 1/16  | Day  | Hire Charges for Surface Vibrator or Earth Rammer Charges Incl. Fuel Charges                             |      | Day  |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         | 1/16   | Nos  | Labour Charges for Surface Vibrator Operator- Mazdoor Category I   |      | Nos  |        |
|         |  |      | Sub Total for 1 cu.m (A)   |      |      |        |
|         |  |      | <b>Main Data</b>   |      |      |        |
|         | 1.10   | Cu.m | Cost of Conveyed earth   |      | Cu.m |        |
|         | 1.00   | Cu.m | Filling charge   |      | Cu.m |        |
|         | 1.10   | Cu.m | Conveyance Charges (Lead)  |      | Cu.m |        |
|         | 1.00   | Cu.m | Surface Vibrator or Earth Rammer Charges as per Sub-data Total A   |      | Cu.m |        |
|         |  |      | Sub Total for 1 cu.m (X)   |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |  |      | <b>Rate for 1 Cu.m</b>   |      |      |        |
|         |  |      |  |      |      |        |
| 131     | Damp proof course as per IS 3067:1988 with Cement Mortar 1:4 (One Cement and Four crushed stone sand) 12mm thick mixed with best approved quality Integral liquid water proofing compound conforming to Indian Standard specification as specified by the departmental officers at 2% by weight of cement used , finishing and curing etc. complete complying with standard specification - <b>Manual Mixing</b> |      |  |      |      |        |
|         | 0.14   | Cu.m | Cement Mortar 1:4(Manual Mixing)   |      | Cu.m |        |
|         | 1.00   | Kg   | IWP proofing compound  |      | Kg   |        |
|         | 1.10   | Nos. | Mason I Class  |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I   |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category II  |      | Each |        |
|         |  |      | Total for 10 sq.m.   |      |      |        |
|         |  |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |  |      | Rate for 1sq.m   |      |      |        |
| 132     | Damp proof course with PCC 1:2:4 of 40mm thick using 6 -12mm jelly including finishing, curing etc., complete complying with standard specification.   |      |  |      |      |        |
|         |  |      | DPC - 40mm thick   |      |      |        |
|         |  |      | Area of DPC for 40m wall = 40 x 0.23= 9.25 sq.m  |      |      |        |
|         |  |      | <b>SUB DATA-1<br/>For machine mix - 20 m<sup>3</sup> per day mixing - 15 bags/hour(1 bag/ 4 minutes)</b> |      |      |        |

| Sl. No. | Qty.    | Unit | Description  | Rate | Per  | Amount |
|---------|---------|------|--|------|------|--------|
|         | 1.00    | Day  | Mixer machine with hopper  |      | Day  |        |
|         | 1.00    | Day  | Mixer machine driver   |      | Day  |        |
|         |         |      | Total for 20 Cu.m  |      |      |        |
|         |         |      | Total for 1 Cu.m (A)   |      |      |        |
|         |         |      | <b>Sub Data II : For PCC 1:2:4 using 6 to 12 mm jelly</b>                                |      |      |        |
|         | 9.00    | Cu.m | 6 to 12 mm Jelly   |      | Cu.m |        |
|         | 3240.00 | Kg   | Cement   |      | M.T  |        |
|         | 4.50    | Cu.m | Crushed Stone Sand   |      | Cu.m |        |
|         | 10.00   | Cu.m | mixing charges by mechanical means (as per Sub Data - I)                                 |      | Cu.m |        |
|         | 1.80    | Each | Mason II Class   |      | Each |        |
|         | 17.70   | Each | Mazdoor Category I   |      | Each |        |
|         | 14.10   | Each | Mazdoor Category II  |      | Each |        |
|         |         |      | Total for 10 Cu.m  |      |      |        |
|         |         |      | Rate for 1 Cu.m  |      |      |        |
|         |         |      |  |      |      |        |
|         |         |      | <b>Sub Data III :Shuttering requirement for 40 m wall of 23cm width</b>                  |      |      |        |
|         |         |      | Area = $1 \times 2 \times 40 \times 0.04 = 3.2$ sq.m                                     |      |      |        |
|         |         |      | PCC required for 40 m wall = $1 \times 40 \times 0.23 \times 0.04 = 0.37$ m <sup>3</sup> |      |      |        |
|         |         |      | Main Data For 9.20 Sq.m  |      |      |        |
|         | 0.37    | cu.m | PCC 1:2:4 using 6 to 12 mm jelly   |      | cu.m |        |
|         | 3.20    | sq.m | Shuttering rate for Grade beam , footing base etc.,                                      |      | sq.m |        |
|         | 0.10    | Nos  | Mason II Class   |      | Each |        |
|         |         |      | Rate for 9.2 sq.m  |      |      |        |
|         |         |      | Sub Total for 1 sq.m (X)   |      |      |        |
|         |         |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |         |      | Rate for 1sq.m   |      |      |        |

| Sl. No. | Qty.  | Unit | Description                          | Rate | Per  | Amount |
|---------|---|------|--------------------------------------|------|------|--------|
| 133     | Damp proof course as per IS 3067:1988 with Cement Mortar 1:4 (One Cement and Four crushed stone sand) 12mm thick mixed with best approved quality Integral liquid water proofing compound conforming to Indian Standard specification as specified by the departmental officers at 2% by weight of cement used , finishing and curing etc. complete complying with standard specification - <b>Machine Mixing</b> |      |                                      |      |      |        |
|         | 0.14  | Cu.m | Cement Mortar 1:4(Machine Mixing)    |      | Cu.m |        |
|         | 1.00  | Kg   | IWP proofing compound                |      | Kg   |        |
|         | 1.10  | Nos. | Mason I Class                        |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Total for 10 sq.m.                   |      |      |        |
|         |   |      | Sub Total for 1 sq.m. (X)            |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1sq.m                       |      |      |        |

## PLAIN CEMENT CONCRETE

| Sl. No. | Qty.  | Unit | Description   | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
| 134     | Plain Cement Concrete 1:2:4 (one cement, two crushed stone sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specificatins and as directed by the departmental officers.- <b>Mixing by manual means</b>     |      |   |      |      |        |
|         | 9.00  | Cu.m | Broken Stone (20mm size )   |      | Cu.m |        |
|         | 3240.00   | Kg   | Cement  |      | M.T  |        |
|         | 4.50  | Cu.m | Crushed Stone Sand  |      | Cu.m |        |
|         | 4.50  | Cu.m | Mixing Charges (manual) - Equivalent to mortar  |      | Cu.m |        |
|         | 1.80  | Nos. | Mason II Class  |      | Each |        |
|         | 17.70   | Nos. | Mazdoor Category I  |      | Each |        |
|         | 14.10   | Nos. | Mazdoor Category II   |      | Each |        |
|         |   |      | Rate for 10 Cu.m  |      |      |        |
|         |   |      | Sub Total for 1 Cu.m  |      |      |        |
|         |   |      | Add water charges @1% of<br>Sub Total X   |      |      |        |
|         |   |      | Rate for 1 Cu.m   |      |      |        |
| 135     | Plain Cement Concrete 1:2:4 (one cement, two crushed stone sand and four hard broken stone jelly) using 20mm jelly for wearing coat including laying, compacting, finishing and curing, etc., complete as per standard specificatins and as directed by the departmental officers.- <b>Mixing by mechanical means</b> |      |   |      |      |        |
|         |   |      | <b>SUB DATA<br/>For machine mix - 20 m<sup>3</sup> per day<br/>mixing - 15 bags/hour(1 bag/4<br/>minutes)</b> |      |      |        |
|         | 1.00  | Day  | Mixer machine with hopper   |      | Day  |        |
|         | 1.00  | Day  | Mixer machine driver  |      | Day  |        |
|         |   |      | Total for 20 Cu.m   |      |      |        |
|         |   |      | Total for 1 Cu.m (A)  |      |      |        |
|         |   |      | <b>MAIN DATA</b>  |      |      |        |
|         | 9.00  | Cu.m | Broken Stone Jelly (20mm size )   |      | Cu.m |        |
|         | 3240.00   | Kg   | Cement  |      | M.T  |        |
|         | 4.50  | Cu.m | Crushed Stone Sand  |      | Cu.m |        |

| Sl. No. | Qty.  | Unit | Description   | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
|         | 10.00   | Cu.m | mixing charges by mechanical means as per Sub Data (A)  |      | Cu.m |        |
|         | 1.80  | Nos. | Mason II Class  |      | Each |        |
|         | 17.70   | Nos. | Mazdoor Category I  |      | Each |        |
|         | 14.10   | Nos. | Mazdoor Category II   |      | Each |        |
|         |   |      | Rate for 10 Cu.m  |      |      |        |
|         |   |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |   |      | Rate for 1 Cu.m   |      |      |        |
| 136     | Cement Concrete 1:3:6 (One Cement, Three crushed stone sand and Six broken stone jelly) using 20mm size hard broken stone jelly for dummy columns,etc., excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete and as directed by the departmental officers. ( Dummy columns should be at least 1 metre height) - <b>Mixing by manual means</b>                               |      |   |      |      |        |
|         | 9.00  | Cu.m | Broken stone jelly 20mm   |      | Cu.m |        |
|         | 2160.00   | Kg   | Cement  |      | M.T  |        |
|         | 4.50  | Cu.m | Crushed Stone Sand  |      | Cu.m |        |
|         | 4.50  | Cu.m | <b>Mixing Charges (manual mixing for cement mortar)</b>   |      | Cu.m |        |
|         | 1.80  | Nos. | Mason II Class  |      | Each |        |
|         | 17.70   | Nos. | Mazdoor Category I  |      | Each |        |
|         | 14.10   | Nos. | Mazdoor Category II   |      | Each |        |
|         |   |      | Total for 10 Cu.m   |      |      |        |
|         |   |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |   |      | Rate for 1 Cu.m   |      |      |        |
| 137     | Cement Concrete 1:3:6 (One Cement, Three crushed stone sand and Six broken stone jelly) using 20mm size hard broken stone jelly for dummy columns,etc., excluding cost of centering shuttering reinforcement grills and fabrication charges but including Cost of Mortar Plasticizer, curing etc. complete and as directed by the departmental officers. (Dummy columns should be at least 1 metre height)- <b>Mixing by mechanical means</b> |      |   |      |      |        |
|         |   |      | <b>SUB DATA<br/>For machine mix - 20 m<sup>3</sup> per day<br/>mixing - 15 bags/hour(1 bag/4<br/>minutes)</b> |      |      |        |
|         | 1.00  | Day  | Mixer machine with hopper   |      | Day  |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         | 1.00   | Day  | Mixer machine driver   |      | Day  |        |
|         |  |      | Total for 20 Cu.m  |      |      |        |
|         |  |      | Total for 1 Cu.m (A)   |      |      |        |
|         |  |      | <b>MAIN DATA</b>   |      |      |        |
|         | 9.00   | Cu.m | Broken stone jelly 20mm                                      |      | Cu.m |        |
|         | 2160.00  | Kg   | Cement   |      | M.T  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand   |      | Cu.m |        |
|         | 10.00  | Cu.m | Mixing charges by Mechanical Means (as per Sub Data Total-A) |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class   |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         |  |      | Total for 10 Cu.m  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                                     |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                         |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |
| 138     | Cement Concrete 1:3:6 (One Cement, Three crushed stone sand and Six broken stone jelly) using 40mm size hard broken stone jelly excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete and as directed by the departmental officers. - <b>Mixing by manual means</b> |      |  |      |      |        |
|         | 9.00   | Cu.m | Broken stone jelly 40mm                                      |      | Cu.m |        |
|         | 2160.00  | Kg   | Cement   |      | M.T  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand   |      | Cu.m |        |
|         | 4.50   | Cu.m | <b>Mixing Charges (manual mixing for cement mortar)</b>      |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class   |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         |  |      | Total for 10 Cu.m  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                                     |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                         |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
| 139     | Cement Concrete 1:3:6 (One Cement, Three crushed stone sand and Six broken stone jelly) using 40mm size hard broken stone jelly excluding cost of centering shuttering reinforcement grills and fabrication charges but including curing etc. complete and as directed by the departmental officers. - <b>Mixing by mechanical means</b>   |      |   |      |      |        |
|         |  |      | <b>SUB DATA</b><br><b>For machine mix - 20 m<sup>3</sup> per day</b><br><b>mixing - 15 bags/hour(1 bag/4</b><br><b>minutes)</b> |      |      |        |
|         | 1.00   | Day  | Mixer machine with hopper   |      | Day  |        |
|         | 1.00   | Day  | Mixer machine driver  |      | Day  |        |
|         |  |      | Total for 20 Cu.m   |      |      |        |
|         |  |      | Total for 1 Cu.m (A)  |      |      |        |
|         |  |      | <b>MAIN DATA</b>  |      |      |        |
|         | 9.00   | Cu.m | Broken stone jelly 40mm   |      | Cu.m |        |
|         | 2160.00  | Kg   | Cement  |      | M.T  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand  |      | Cu.m |        |
|         | 10.00  | Cu.m | Mixing charges by Mechanical Means (as per Sub Data Total-A)  |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class  |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category I  |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category II   |      | Each |        |
|         |  |      | Total for 10 Cu.m   |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 140     | Cement Concrete 1:5:10 (One Cement, Five crushed stone sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and including curing etc. complete complying with standard specification and as directed by the departmental officers. - <b>Mixing by manual means</b> |      |   |      |      |        |
|         | 9.00   | Cu.m | Broken stone Jelly - 40mm size  |      | Cu.m |        |
|         | 1296.00  | Kg   | Cement  |      | M.T  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand  |      | Cu.m |        |
|         | 4.50   | Cu.m | Mixing Charges (manual mixing charges for cement mortar)  |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class  |      | Each |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         | 17.70  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         |  |      | Total for 10 Cu.m  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |
| 141     | Cement Concrete 1:5:10 (One Cement, Five crushed stone sand and Ten hard broken stone jelly) using 40 mm gauge hard broken granite stone jelly for foundation including dewatering wherever necessary and laid in layers of not more than 15 cm thick well rammed, consolidated and including curing etc. complete complying with standard specification and as directed by the departmental officers <b>-Mixing by mechanical means</b> |      |  |      |      |        |
|         |  |      | SUB DATA<br>For machine mix - 27 m <sup>3</sup> per day<br>mixing - 9 bags/hour(1 bag/7 minutes) |      |      |        |
|         | 1.00   | Day  | Mixer machine with hopper  |      | Day  |        |
|         | 1.00   | Day  | Mixer machine driver   |      | Day  |        |
|         |  |      | Total for 27 Cu.m  |      |      |        |
|         |  |      | Total for 1 Cu.m (A)   |      |      |        |
|         |  |      | <b>MAIN DATA</b>   |      |      |        |
|         | 9.00   | Cu.m | Broken stone Jelly - 40mm size   |      | Cu.m |        |
|         | 1296.00  | Kg   | Cement   |      | M.T  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand   |      | Cu.m |        |
|         | 10.00  | Cu.m | Mixing charges by Mechanical Means (as per Sub Data- Total-A)                                    |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class   |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         |  |      | Total for 10 Cu.m  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
| 142     | Cement Concrete 1:5:10 (One cement, Five crushed stone sand and Ten hard broken stone jelly) using 40 mm gauge hard broken jelly for flooring including laying, consolidating, finishing, rendering the top surface rough to receive the floor, curing, etc. complete complying with standard specification and as directed by the departmental officers. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers <b>-Mixing by Manual means</b>      |      |  |      |      |        |
|         | 9.00   | Cu.m | Broken stone Jelly - 40mm size   |      | Cu.m |        |
|         | 1296.00  | Kg   | Cement   |      | M.T  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand   |      | Cu.m |        |
|         | 4.50   | Cu.m | Mixing Charges (manual mixing charges for cement mortar)   |      | Cu.m |        |
|         | 1.80   | Nos. | Mason II Class   |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         |  |      | Total for 10 Cu.m  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |
| 143     | Cement Concrete 1:5:10 (One cement, Five crushed stone sand and Ten hard broken stone jelly) using 40 mm gauge hard broken jelly for flooring including laying, consolidating, finishing, rendering the top surface rough to receive the floor, curing, etc. complete complying with standard specification and as directed by the departmental officers. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers <b>- Mixing by mechanical means</b> |      |  |      |      |        |
|         |  |      | SUB DATA<br>For machine mix - 27 m <sup>3</sup> per day<br>mixing - 9 bags/hour(1 bag/7 minutes) |      |      |        |
|         | 1.00   | Day  | Mixer machine with hopper  |      | Day  |        |
|         | 1.00   | Day  | Mixer machine driver   |      | Day  |        |
|         |  |      | Total for 27 Cu.m  |      |      |        |
|         |  |      | Total for 1 Cu.m (A)   |      |      |        |
|         |  |      | <b>MAIN DATA</b>   |      |      |        |
|         | 9.00   | Cu.m | Broken stone Jelly - 40mm size   |      | Cu.m |        |
|         | 1296.00  | Kg   | Cement   |      | M.T  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand   |      | Cu.m |        |

| <b>Sl. No.</b> | <b>Qty.</b> | <b>Unit</b> | <b>Description</b>   | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|----------------|-------------|-------------|--|-------------|------------|---------------|
|                | 10.00       | Cu.m        | Mixing charges by Mechanical Means (as per Sub Data Total-A) |             | Cu.m       |               |
|                | 1.80        | Nos.        | Mason II Class   |             | Each       |               |
|                | 17.70       | Nos.        | Mazdoor Category I   |             | Each       |               |
|                | 14.10       | Nos.        | Mazdoor Category II  |             | Each       |               |
|                |             |             | Total for 10 Cu.m  |             |            |               |
|                |             |             | Sub Total for 1 Cu.m (X)                                     |             |            |               |
|                |             |             | Add water charges @1% of Sub Total X                         |             |            |               |
|                |             |             | Rate for 1 Cu.m  |             |            |               |
|                |             |             |  |             |            |               |

## SHUTTERING AND CENTERING

| Sl. No. | Qty.  | Unit | Description   | Rate          | Per         | Amount |
|---------|-------|------|---|---------------|-------------|--------|
| 144     |       |      | Supplying and erecting <b>centering for plane surfaces such as RCC Floor/Roof Beam, Lintels, Cantilever Beams, Bed Blocks</b> etc.. with necessary supports and strutting <b>upto 3.60m</b> height in all floors with all cross bracings using MS Sheets made of 10 gauge thick welded with MS angle of Size 25mm x 25mm x 3mm for boarding laid over Steel adjustable Span of Size 2m x 2m(expandable upto 3.60m) and Silver Oak Joists of Size 10 x 5 cm spaced at 50cm to 60cm c/c and supported by Steel Adjustable Telescopic Props of Size 2m x 2m (expandable upto 3.60m) made with outer steel pipe with dia 50mm (3.60mm thick) and inner steel pipe with dia 40mm (2.90mm thick) Spaced at not more than 50 to 60cm c/c , etc complete complying with standard specifications. Steel adjustable span and Steel Adjustable telescopic props shall be provided as directed by the departmental Officers. (Payment for centering shall be given after the concrete is laid). |               |             |        |
|         |       |      | Shuttering area of Beam Taken   | 83.13         | Sq.m        |        |
|         |       |      | Total Area of MS Sheet Required   | 92.91         | Sq.m        |        |
|         |       |      | Total Number of adjustable Telescopic Prop(Vertical) required for Slab (2.00 x 2.00m expandable upto 3.60m)   | 186.00        | Nos         |        |
|         |       |      | Props required as Cross Bracings  | 68.00         | nos         |        |
|         |       |      | Total   | <b>254.00</b> | Nos         |        |
|         |       |      |   |               |             |        |
|         |       |      | Silver Oak Joists required (10.00 x 5.00cm)   | 2.40          | Cu.m        |        |
|         |       |      | Silver Oak Joists required (7.50 x 5.00cm)  | 1.13          | Cu.m        |        |
|         |       |      | Total   | 3.53          |             |        |
|         |       |      | Add 5% for Wastage  | 0.18          | Cu.m        |        |
|         |       |      | <b>Total</b>  | <b>3.71</b>   | <b>Cu.m</b> |        |
|         |       |      | Total number of adjustable span of 2m x 2m expandable upto 3.60m  | <b>68.00</b>  | <b>Nos</b>  |        |
|         |       |      | <b>Sub Data: 1 - Cost of MS Sheet Per Sq.m Per I use</b>  |               |             |        |
|         |       |      | Cost of MS sheets and angles for each set:  |               |             |        |
|         |       |      | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm  |               |             |        |
|         |       |      | $3.175 \times 7850 / 1000 \times 0.54 =$  | 13.46         | Kg          |        |
|         |       |      | Weight of MS angles of size 25cm x 25mm x 3mm:  |               |             |        |
|         |       |      | $3.6 \times 1.1 \text{ kg / m} =$   | 4.00          | Kg          |        |
|         |       |      |   |               |             |        |
|         | 13.46 | Kg   | Cost of MS sheets   |               | Kg          |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per        | Amount |
|---------|--------|------|--|------|------------|--------|
|         | 4.00   | Kg   | Cost of MS angles  |      | Kg         |        |
|         | LS     |      | Add for cutting, bending, welding charges etc. @ 10% of material cost                                  |      | LS         |        |
|         |        |      | Total cost for one set of 0.54m <sup>2</sup> (0.9x0.6m) sheet for 40 uses                              |      | <b>Rs.</b> |        |
|         |        |      | Total Cost for one Sq.m per 40 uses  |      | <b>Rs.</b> |        |
|         |        |      | Total Cost for one Sq.m per 1 use (A)  |      | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 2 - Cost of Silver Oak Joists</b>   |      |            |        |
|         | 3.71   | cu.m | Cost of Silver Oak Joists  |      | cu.m       |        |
|         |        |      | Total for 5 Uses   |      |            |        |
|         |        |      | Total for 1 Use (B)  |      | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 3 (Cost of MS Sheet, Telescopic Prop and Adjustable Span)</b>                             |      |            |        |
|         | 254.00 | Nos  | Cost of Telescopic Steel Props of size 2.0 x 2.0m  |      | Nos        |        |
|         | 68.00  | Nos  | Cost of Adjustable Span  |      | Nos        |        |
|         |        |      | Total for 40 Uses  |      |            |        |
|         |        |      | Total for 1 Use (C)  |      |            |        |
|         |        |      | <b>Main Data for 83.13 Sq.m</b>  |      |            |        |
|         | 92.91  | Sq.m | Cost of MS Sheets per use (As per A)   |      | Sq.m       |        |
|         | 1.00   | Use  | Cost of Silver Oak Joists (As per B)   |      | Use        |        |
|         | 1.00   | Use  | Cost of Telescopic Steel Props of size 2.0 x 2.0m (As per C)   |      | Use        |        |
|         | 4.00   | Nos  | Carpenter I Class  |      | Nos        |        |
|         | 19.00  | Nos  | Carpenter II Class   |      | Nos        |        |
|         | 35.00  | Nos  | Mazdoor Category I   |      | Nos        |        |
|         | 6.00   | Nos  | Fitter II Class (Bar bending)  |      | Nos        |        |
|         |        |      | Add for Wedges, Coils, nails @ 1% of materials   |      |            |        |
|         |        |      | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props, Spans and Joists @ 5% of Material |      |            |        |
|         |        |      | Total cost for 83.13 Sq.m  |      |            |        |

| Sl. No. | Qty. | Unit  | Description   | Rate          | Per        | Amount |
|---------|------|-------|---|---------------|------------|--------|
|         |      |       | Rate for 1 Sq.m (X)   |               |            |        |
| a       |      |       | <b>Centering for curved RCC Beam surfaces upto 3.60m height</b>   |               |            |        |
|         | 1.00 | sq.m. | Rate for centering for plane surfaces such as RCC Floor/Roof Beam, Lintels, Cantilever Beams, Bed Blocks etc.. with necessary supports and strutting upto 3.60m height ( X )  |               | sq.m.      |        |
|         |      |       | Add 50% extra of above rate   |               |            |        |
|         |      |       | <b>Total for 1 sq.m.</b>  |               |            |        |
| 145     |      |       | Supplying and erecting <b>centering for plane surfaces such as RCC Floor/Roof Beam, Lintels, Cantilever Beams, Bed Blocks</b> etc.. with necessary supports and strutting <b>above 3.60m upto 4.90m</b> height in all floors with all cross bracings using MS Sheets made of 10 gauge thick welded with MS angle of Size 25mm x 25mm x 3mm for boarding laid over Steel adjustable Span of Size 2m x 2m (expandable upto 3.60m) and Silver Oak Joists of Size 10 x 5 cm spaced at 50cm to 60cm c/c and supported by Steel Adjustable Telescopic Props of Size 2.40 x 3.0m (expandable upto 4.90m) made with outer steel pipe with dia 50mm (3.60mm thick) and inner steel pipe with dia 40mm (2.90mm thick) Spaced at not more than 50 to 60cm c/c and with Cross bracings provided at two levels at a spacing of 1.80m etc complete complying with standard specifications. Steel adjustable span and Steel Adjustable telescopic props shall be provided as directed by the departmental Officers. (Payment for centering shall be given after the concrete is laid). |               |            |        |
|         |      |       | Shuttering area of Beam Taken   | 83.13         | Sq.m       |        |
|         |      |       | Total Area of MS Sheet Required   | 92.91         | Sq.m       |        |
|         |      |       | Total Number of adjustable Telescopic Prop(Vertical) required for Beams 2.40 x 3.0m (expandable upto 4.90m)   | 186.00        | Nos        |        |
|         |      |       | Props required as Cross Bracings  | 136.00        | nos        |        |
|         |      |       | Total   | <b>322.00</b> | Nos        |        |
|         |      |       |   |               |            |        |
|         |      |       | Silver Oak Joists required (10.00 x 5.00cm)   | 2.40          | cu.m       |        |
|         |      |       | Silver Oak Joists required (7.50 x 5.00cm)  | 1.13          | cu.m       |        |
|         |      |       | Total   | 3.53          |            |        |
|         |      |       | Add 5% for Wastage  | 0.18          | cu.m       |        |
|         |      |       | Total   | <b>3.71</b>   | cu.m       |        |
|         |      |       | Total number of adjustable span of 2m x 2m expandable upto 3.60m  | <b>68.00</b>  | <b>Nos</b> |        |
|         |      |       | <b>Sub Data: 1 - Cost of MS Sheet Per Sq.m Per I use</b>  |               |            |        |

| Sl. No. | Qty.   | Unit | Description  | Rate  | Per        | Amount |
|---------|--------|------|--|-------|------------|--------|
|         |        |      | Cost of MS sheets and angles for each set:   |       |            |        |
|         |        |      | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm                                   |       |            |        |
|         |        |      | 3.175 x 7850 / 1000 x 0.54 =   | 13.46 | Kg         |        |
|         |        |      | Weight of MS angles of size 25cm x 25mm x 3mm:   |       |            |        |
|         |        |      | 3.6 x 1.1 kg / m =   | 4.00  | Kg         |        |
|         | 13.46  | Kg   | Cost of MS sheets  |       | Kg         |        |
|         | 4.00   | Kg   | Cost of MS angles  |       | Kg         |        |
|         |        |      |  |       |            |        |
|         | LS     |      | Add for cutting, bending, welding charges etc. @ 10% of material cost                        |       | LS         |        |
|         |        |      | Total cost for one set of 0.54m <sup>2</sup> (0.9x0.6m) sheet for 40 uses                    |       | <b>Rs.</b> |        |
|         |        |      | Total Cost for one Sq.m per 40 uses  |       | <b>Rs.</b> |        |
|         |        |      | Total Cost for one Sq.m per 1 use (A)  |       | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 2 - Cost of Silver Oak Joists</b>   |       |            |        |
|         | 3.71   | cu.m | Cost of Silver Oak Joists  |       | cu.m       |        |
|         |        |      | Total for 5 Uses   |       |            |        |
|         |        |      | Total for 1 Use (B)  |       | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 3 (Cost of MS Sheet, Telescopic Prop and Adjustable Span)</b>                   |       |            |        |
|         | 322.00 | Nos  | Cost of Telescopic Steel Props of size 2.40 x 3.0m (expandable upto 4.90m)                   |       | Nos        |        |
|         | 68.00  | Nos  | Cost of Adjustable Span  |       | Nos        |        |
|         |        |      | Total for 40 Uses  |       |            |        |
|         |        |      | Total for 1 Use (C)  |       |            |        |
|         |        |      | <b>Main Data for 83.13 Sq.m</b>  |       |            |        |
|         | 92.91  | Sq.m | Cost of MS Sheets per use (as per A)   |       | Sq.m       |        |
|         | 1.00   | Use  | Cost of Silver Oak Joists (as per B)   |       | Use        |        |
|         | 1.00   | Use  | Cost of Telescopic Steel Props of size 2.40 x 3.0m (expandable upto 4.90m) & span (as per C) |       | Use        |        |
|         | 4.00   | Nos  | Carpenter I Class  |       | Nos        |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate          | Per        | Amount |
|---------|--|-------|--|---------------|------------|--------|
|         | 19.00  | Nos   | Carpenter II Class   |               | Nos        |        |
|         | 35.00  | Nos   | Mazdoor Category I   |               | Nos        |        |
|         | 6.00   | Nos   | Fitter II Class (Bar bending)  |               | Nos        |        |
|         |  |       | Add for Wedges, Coils, nails @ 1% of materials   |               |            |        |
|         |  |       | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props, Spans and Joists @ 5% of Material   |               |            |        |
|         |  |       | Total cost for 83.13 Sq.m  |               |            |        |
|         |  |       | Rate for 1 sq.m. (X)   |               | <b>Rs.</b> |        |
| a       |  |       | <b>Centering for curved RCC Beam surfaces above 3.60m upto 4.90m height</b>  |               |            |        |
|         | 1.00   | sq.m. | Rate for centering for plane surfaces such as RCC Floor/Roof Beam, Lintels, Cantilever Beams, Bed Blocks etc.. with necessary supports and strutting above 3.60m upto 4.90m height ( X ) |               | sq.m.      |        |
|         |  |       | Add 50% extra of above rate  |               |            |        |
|         |  |       | <b>Total for 1 sq.m.</b>   |               |            |        |
|         |  |       |  |               |            |        |
| 146     | Supplying and erecting <b>centering for plane surfaces such as RCC Floor/Roof Beam, Lintels, Cantilever Beams, Bed Blocks</b> etc.. with necessary supports and strutting <b>above 4.90m upto 5.50m</b> height in all floors with all cross bracings using MS Sheets made of 10 gauge thickness welded with MS angle of Size 25mm x 25mm x 3mm for boarding laid over Steel adjustable Span of Size 2m x 2m(expandable upto 3.60m) and Silver Oak Joists of Size 10 x 5 cm spaced at 50cm to 60cm c/c and supported by Steel Adjustable Telescopic Props of Size 3.0 x 3.0m (expandable upto 5.50m) made with outer steel pipe with dia 50mm (3.60mm thick) and inner steel pipe with dia 40mm (2.90mm thick) Spaced at not more than 50 to 60cm c/c and with Cross bracings provided at two levels at a spacing of 1.80m etc complete complying with standard specifications. Steel adjustable span and Steel Adjustable telescopic props shall be provided as directed by the departmental Officers.(Payment for centering shall be given after the concrete is laid). |       |  |               |            |        |
|         |  |       | Shuttering area of Beam Taken  | 83.13         | Sq.m       |        |
|         |  |       | Total Area of MS Sheet Required  | 92.91         | Sq.m       |        |
|         |  |       | Total Number of adjustable Telescopic Prop(Vertical) required for Beams 3.0 x 3.0m (expandable upto 5.50m)   | 186.00        | Nos        |        |
|         |  |       | Props required as Cross Bracings   | 136.00        | nos        |        |
|         |  |       | Total  | <b>322.00</b> | Nos        |        |
|         |  |       |  |               |            |        |
|         |  |       | Silver Oak Joists required (10.00 x 5.00cm)  | 2.40          | cu.m       |        |

| Sl. No. | Qty.   | Unit | Description  | Rate         | Per         | Amount |  |
|---------|--------|------|--|--------------|-------------|--------|--|
|         |        |      | Silver Oak Joists required (7.50 x 5.00cm)                                 | 1.13         | cu.m        |        |  |
|         |        |      | Total  | 3.53         |             |        |  |
|         |        |      | Add 5% for Wastage   | 0.18         | cu.m        |        |  |
|         |        |      | Total  | <b>3.71</b>  | <b>cu.m</b> |        |  |
|         |        |      | Total number of adjustable span of 2m x 2m expandable upto 3.60m           | <b>68.00</b> | <b>Nos</b>  |        |  |
|         |        |      | <b>Sub Data: 1 - Cost of MS Sheet Per Sq.m Per I use</b>                   |              |             |        |  |
|         |        |      | Cost of MS sheets and angles for each set:                                 |              |             |        |  |
|         |        |      | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm                 |              |             |        |  |
|         |        |      | $3.175 \times 7850 / 1000 \times 0.54 =$                                   | 13.46        | Kg          |        |  |
|         |        |      | Weight of MS angles of size 25cm x 25mm x 3mm:                             |              |             |        |  |
|         |        |      | $3.6 \times 1.1 \text{ kg} / \text{m} =$                                   | 4.00         | Kg          |        |  |
|         |        |      |  |              |             |        |  |
|         | 13.46  | Kg   | Cost of MS sheets  |              | Kg          |        |  |
|         | 4.00   | Kg   | Cost of MS angles  |              | Kg          |        |  |
|         |        |      |  |              |             |        |  |
|         | LS     |      | Add for cutting, bending, welding charges etc. @ 10% of material cost      |              | LS          |        |  |
|         |        |      | Total cost for one set of 0.54m <sup>2</sup> (0.9x0.6m) sheet for 40 uses  |              | <b>Rs.</b>  |        |  |
|         |        |      | Total Cost for one Sq.m per 40 uses  |              | <b>Rs.</b>  |        |  |
|         |        |      | Total Cost for one Sq.m per 1 use (A)                                      |              | <b>Rs.</b>  |        |  |
|         |        |      | <b>Sub Data: 2 - Cost of Silver Oak Joists</b>                             |              |             |        |  |
|         | 3.71   | Cu.m | Cost of Silver Oak Joists  |              | Cu.m        |        |  |
|         |        |      | Total for 5 Uses   |              |             |        |  |
|         |        |      | Total for 1 Use (B)  |              | <b>Rs.</b>  |        |  |
|         |        |      | <b>Sub Data: 3 (Cost of MS Sheet, Telescopic Prop and Adjustable Span)</b> |              |             |        |  |
|         | 322.00 | Nos  | Cost of Telescopic Steel Props of size 3.0 x 3.0m (expandable upto 5.50m)  |              | Nos         |        |  |
|         | 68.00  | Nos  | Cost of Adjustable Span  |              | Nos         |        |  |
|         |        |      | Total for 40 Uses  |              |             |        |  |

| Sl. No. | Qty.   | Unit  | Description  | Rate  | Per        | Amount |
|---------|--|-------|--|-------|------------|--------|
|         |  |       | Total for 1 Use (C)  |       |            |        |
|         |  |       | <b>Main Data for 83.13 Sq.m</b>  |       |            |        |
|         | 92.91  | Sq.m  | Cost of MS Sheets per use (as per A)   |       | Sq.m       |        |
|         | 1.00   | Use   | Cost of Silver Oak Joists (as per B)   |       | Use        |        |
|         | 1.00   | Use   | Cost of Telescopic Steel Props of size 3.0 x 3.0m (expandable upto 5.50m) & span (as per C)  |       | Use        |        |
|         | 4.00   | Nos   | Carpenter I Class  |       | Nos        |        |
|         | 19.00  | Nos   | Carpenter II Class   |       | Nos        |        |
|         | 35.00  | Nos   | Mazdoor Category I   |       | Nos        |        |
|         | 6.00   | Nos   | Fitter II Class (Bar bending)  |       | Nos        |        |
|         |  |       | Add for Wedges, Coils, nails @ 1% of materials   |       |            |        |
|         |  |       | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props, Spans and Joists @ 5% of Material   |       |            |        |
|         |  |       | Total cost for 83.13 Sq.m  |       |            |        |
|         |  |       | Rate for 1 sq.m. (X)   |       | <b>Rs.</b> |        |
| a       |  |       | <b>Centering for curved RCC Beam surfaces above 4.90m upto 5.50m height</b>  |       |            |        |
|         | 1.00   | sq.m. | Rate for centering for plane surfaces such as RCC Floor/Roof Beam, Lintels, Cantilever Beams, Bed Blocks etc.. with necessary supports and strutting above 4.90m upto 5.50m height ( X ) |       | sq.m.      |        |
|         |  |       | Add 50% extra of above rate  |       |            |        |
|         |  |       | <b>Total for 1 sq.m.</b>   |       |            |        |
| 147     | <p>Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as <b>column footings, column pedestals, plinth beams, grade beams, staircase steps, Sill slabs etc.</b> which require only nominal strutting using mild steel sheets of size 90cm x 60cm and 10 BG stiffened with welded mild steel angles of size 25mm x 25mm x 3 mm for boarding, laid with silver oak joists of size 10cm x 5cm &amp; 7.5cm x 5cm as support runner , vertical stiffener, side support and Top Horizontal stiffener spaced at about 60cm to 90cm centre to centre or at suitable intervals etc. complete in all floors complying with standard specification. (Payment for centering shall be given after the concrete is laid).</p> |       |  |       |            |        |
|         |  |       | Shuttering area of Grade Beam Taken  | 30.60 | Sq.m       |        |
|         |  |       | Total Area of MS Sheet Required  | 32.13 | Sq.m       |        |
|         |  |       |  |       |            |        |

| Sl. No. | Qty.  | Unit | Description   | Rate        | Per        | Amount |  |
|---------|-------|------|---|-------------|------------|--------|--|
|         |       |      | Silver Oak Joists required (10.00 x 5.00cm)                               | 1.64        | Cu.m       |        |  |
|         |       |      | Silver Oak Joists required (7.50 x 5.00cm)                                | 0.17        | Cu.m       |        |  |
|         |       |      | Total   | 1.81        |            |        |  |
|         |       |      | Add 5% for Wastage  | 0.09        | Cu.m       |        |  |
|         |       |      | Total   | <b>1.90</b> | Cu.m       |        |  |
|         |       |      | <b>Sub Data: 1 - Cost of MS Sheet Per Sq.m Per 1 use</b>                  |             |            |        |  |
|         |       |      | Cost of MS sheets and angles for each set:                                |             |            |        |  |
|         |       |      | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm                |             |            |        |  |
|         |       |      | $3.175 \times 7850 / 1000 \times 0.54 =$                                  | 13.46       | Kg         |        |  |
|         |       |      | Weight of MS angles of size 25cm x 25mm x 3mm:                            |             |            |        |  |
|         |       |      | $3.6 \times 1.1 \text{ kg} / \text{m} =$                                  | 4.00        | Kg         |        |  |
|         |       |      |   |             |            |        |  |
|         | 13.46 | Kg   | Cost of MS sheets   |             | Kg         |        |  |
|         | 4.00  | Kg   | Cost of MS angles   |             | Kg         |        |  |
|         |       |      |   |             |            |        |  |
|         | LS    |      | Add for cutting, bending, welding charges etc. @ 10% of material cost     |             | LS         |        |  |
|         |       |      | Total cost for one set of 0.54m <sup>2</sup> (0.9x0.6m) sheet for 40 uses |             | <b>Rs.</b> |        |  |
|         |       |      | Total Cost for one Sq.m per 40 uses                                       |             | <b>Rs.</b> |        |  |
|         |       |      | Total Cost for one Sq.m per 1 use (A)                                     |             | <b>Rs.</b> |        |  |
|         |       |      | <b>Sub Data: 2 - Cost of Silver Oak Joists</b>                            |             |            |        |  |
|         | 1.90  | Cu.m | Cost of Silver Oak Joists   |             | Cu.m       |        |  |
|         |       |      | Total for 5 Uses  |             |            |        |  |
|         |       |      | Total for 1 Use (B)   |             | <b>Rs.</b> |        |  |
|         |       |      | <b>Main Data for 30.60 Sq.m</b>   |             |            |        |  |
|         | 32.13 | Sq.m | Cost of MS Sheets per use (As per A)                                      |             | Sq.m       |        |  |
|         | 1.00  | Use  | Cost of Silver Oak Joists (As per B)                                      |             | Use        |        |  |
|         | 1.00  | Nos  | Carpenter I Class   |             | Nos        |        |  |
|         | 4.00  | Nos  | Carpenter II Class  |             | Nos        |        |  |

| Sl. No. | Qty.   | Unit | Description   | Rate         | Per  | Amount |
|---------|--|------|---|--------------|------|--------|
|         | 9.00   | Nos  | Mazdoor Category I  |              | Nos  |        |
|         | 1.50   | Nos  | Fitter II Class (Bar bending)   |              | Nos  |        |
|         | Add for Wedges, Coils, nails @ 1% of materials   |      |   |              |      |        |
|         | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props, Spans and Joists @ 5% of Material   |      |   |              |      |        |
|         |  |      | Total cost for 30.60 Sq.m   |              |      |        |
|         |  |      | Rate for 1 sq.m.  |              |      |        |
|         |  |      |   |              |      |        |
| 148     | Supplying and erecting steel centering including necessary supports <b>For plane surfaces such as rectangular or square RCC columns etc.</b> which require only nominal strutting using mild steel sheets made of 10 gauge thick welded with MS angle size 40mm x 40mm x 5 mm and supported by Steel Adjustable Telescopic Props of Size 2m x 2m (expandable upto 3.60m) made with outer steel pipe with dia 50mm (3.60mm thick) and inner steel pipe with dia 40mm (2.90mm thick).etc..complete in all floors complying with standard specification. Steel Adjustable telescopic props shall be provided as directed by the departmental Officers. (Payment for centering shall be given after the concrete is laid). |      |   |              |      |        |
|         | I  |      | Total Column Centering Area<br>10 Nos of columns of Size 0.50 x 0.30m<br>for 2.10 m Length = $10 \times 2 \times (0.30 + 0.50) \times 2.10$ | 33.60        | Sq.m |        |
|         |  |      | Total No. of MS Sheets of size 2.10 x 0.50m & 2.10 x 0.30m Required for 1 column = 2 Sets<br>10 columns = 20 Sets.                          | 20.00        | Set  |        |
|         |  |      | Add 5% for Overlap and wastage  | 1.00         | Set  |        |
|         |  |      | Total   | 21.00        | Set  |        |
|         | II   |      | Total Number of adjustable Telescopic Prop(Vertical)required for 1 column = 6 No.<br>10 columns = 60 No.                                    | 60.00        | Nos  |        |
|         |  |      | Total   | <b>60.00</b> | Nos  |        |
|         | <b>Sub Data: 1 - Cost of MS Sheet Per Sq.m Per I use</b>   |      |   |              |      |        |
|         |  |      | Cost of MS sheets and angles for each set:  |              |      |        |
|         |  |      | Weight of MS sheets 10 gauge of size 2.10 x 0.50m & 2.10 x 0.30m  |              |      |        |
|         |  |      | $2.1 \times 0.50 \times 3.175 \times 7850/1000 =$   | 26.17        | Kg   |        |
|         |  |      | $2.1 \times 0.30 \times 3.175 \times 7850/1000 =$   | 15.70        | Kg   |        |
|         |  |      | Total Weight of MS Sheets   | <b>41.87</b> | Kg   |        |
|         |  |      | Weight of MS angles of size 40cm x 40mm x 5mm:  |              |      |        |

| Sl. No.  | Qty.  | Unit | Description   | Rate         | Per        | Amount |
|----------|-------|------|---|--------------|------------|--------|
|          |       |      | Length of MS angle for<br>a. Sheet size 2.10 x 0.50m incl. stiffeners<br>= (2 x 2.10) + (8 x 0.50) = 8.20 Rm<br>b. Sheet size 2.10 x 0.30m incl. stiffeners<br>= (2 x 2.10) + (8 x 0.30) = 6.60 Rm<br>Total Lenth of MS Angle = 14.80Rm |              |            |        |
|          |       |      | Total Weight of MS Angles = 14.80 x 3<br>kg / m   | <b>44.40</b> | Kg         |        |
|          | 41.87 | Kg   | Cost of MS sheets   |              | Kg         |        |
|          | 44.40 | Kg   | Cost of MS angles   |              | Kg         |        |
|          |       |      | Total   |              |            |        |
|          |       |      | Add for Bolts & Nuts etc., charges @ 1%<br>of material cost   |              |            |        |
|          | LS    |      | Add for cutting, bending, welding, charges<br>etc. @ 1% of material cost  |              | LS         |        |
|          |       |      | Total cost for one set of (2.1x0.50m &<br>2.1x0.30m ) sheet for 40 uses (X1)  |              | <b>Rs.</b> |        |
|          |       |      | <b>Sub Data: 2 (Cost of MS Sheet,<br/>Telescopic Prop )</b>   |              |            |        |
|          | 21.00 | Set  | Cost of one set & MS Sheets for 40 uses<br>(X1)   |              | Set        |        |
|          | 60.00 | Nos  | Cost of Telescopic Steel Props of size 2m<br>X 2m   |              | Nos        |        |
|          |       |      | Total for 40 Uses   |              |            |        |
|          |       |      | Total for 1 Use (A)   |              |            |        |
|          |       |      | <b>Main Data for 33.60 Sq.m</b>   |              |            |        |
|          | 1.00  | use  | Cost of MS Sheets, Telescopic Props (as<br>per A)   |              | use        |        |
|          | 5.00  | Nos  | Carpenter II Class  |              | Nos        |        |
|          | 8.00  | Nos  | Mazdoor Category I  |              | Nos        |        |
|          | 4.00  | Nos  | Fitter II Class (Bar bending)   |              | Nos        |        |
|          |       |      | Add for Wedges, Coils, nails @ 1% of<br>materials   |              |            |        |
|          |       |      | For Periodical Cleaning, Oiling and<br>Maintenance of MS Sheets, Props and<br>Joists @ 5% of Material   |              |            |        |
|          |       |      | Total cost for 33.60 Sq.m   |              |            |        |
|          |       |      | Rate for 1 sq.m. (X)  |              |            |        |
| <b>a</b> |       |      | <b>For circular columns</b>   |              |            |        |
|          | 1     | Sq.m | Rate for Centering for square and Rectan-<br>gular columns etc., (X)  |              | Sq.m       |        |

| Sl. No. | Qty. | Unit | Description   | Rate          | Per  | Amount |
|---------|------|------|---|---------------|------|--------|
|         |      |      | Add 100% extra of above rate  |               |      |        |
|         |      |      | <b>Total for 1 sq.m.</b>  |               |      |        |
|         |      |      |   |               |      |        |
| 149     |      |      | Supplying and erecting <b>centering</b> for plane surfaces such as RCC Floor Slab, Roof Slab, Loft, Landing Slabs, etc with necessary supports and strutting <b>upto 3.60m height</b> in all floors with all cross bracings using MS Sheets made of 10 gauge thick welded with MS angle of Size 25mm x 25mm x 3mm for boarding laid over steel adjustable span of size 2m x 2m (expandable upto 3.60m) and supported by Steel Adjustable Telescopic Props of Size 2m x 2m (expandable upto 3.60m) made with outer steel pipe with dia 50mm (3.60mm thick) and inner steel pipe with dia 40mm (2.90mm thick) , etc complete complying with standard specifications. Steel adjustable span and Steel Adjustable telescopic props shall be provided as directed by the departmental Officers. (Payment for centering shall be given after the concrete is laid). |               |      |        |
|         |      |      | Total area of Slab =  | 128.66        | Sq.m |        |
|         |      |      | Area of Sheet (208 x 0.90 x 0.60m) =  | 112.32        | Sq.m |        |
|         |      |      | Area of Plank (Country wood Plank of 25mm thick upto 30cm wide)   | 16.34         | Sq.m |        |
|         |      |      | Total number of sheets required for 128.66 m <sup>2</sup>   | 208.00        | Nos  |        |
|         |      |      | Add 5% for Overlap and wastage  | 10.40         | Nos  |        |
|         |      |      | Say   | 11.00         | Nos  |        |
|         |      |      | Total   | <b>219.00</b> | Nos  |        |
|         |      |      | Total Number of adjustable Telescopic Prop(Vertical) required for Slab (2.00 x 2.00m expandable upto 3.60m)   | 94.00         | Nos  |        |
|         |      |      | Props required as Cross Bracings  | 72.00         | nos  |        |
|         |      |      | Total   | <b>166.00</b> | Nos  |        |
|         |      |      | Total number of adjustable span of 2m x 2m expandable upto 3.60m  | <b>100.00</b> | Nos  |        |
|         |      |      |   |               |      |        |
|         |      |      | Countrywood Plank required (16.34 x 0.025)  | 0.4085        | Cu.m |        |
|         |      |      | Add 5% for Wastage  | 0.0204        | Cu.m |        |
|         |      |      | Total   | <b>0.4289</b> | Cu.m |        |
|         |      |      | <b>Sub Data: 1</b>  |               |      |        |
|         |      |      | Cost of MS sheets and angles for each set:  |               |      |        |
|         |      |      | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm  |               |      |        |
|         |      |      | 3.175 x 7850 / 1000 x 0.54 =  | 13.46         | Kg   |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per        | Amount |
|---------|--------|------|--|------|------------|--------|
|         |        |      | Weight of MS angles of size 25cm x 25mm x 3mm:   |      |            |        |
|         |        |      | 3.6 x 1.1 kg / m =   | 4.00 | Kg         |        |
|         | 13.46  | Kg   | Cost of MS sheets  |      | Kg         |        |
|         | 4.00   | Kg   | Cost of MS angles  |      | Kg         |        |
|         |        |      |  |      |            |        |
|         | LS     |      | Add for cutting, bending, welding charges @ 10% of cost of materials                                   |      | LS         |        |
|         |        |      | Total for one set (A)  |      | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 2 (Cost of CW Plank for 128.66 m<sup>2</sup>)</b>   |      |            |        |
|         | 0.4289 | Cu.m | CW Plank upto 30cm wide and 25mm thick   |      | Cu.m       |        |
|         |        |      | Total for 5 Uses   |      |            |        |
|         |        |      | Total for 1 Use (B)  |      | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 3 (Cost of MS Sheet, Telescopic Prop and Adjustable Span for 128.66 m<sup>2</sup>)</b>    |      |            |        |
|         | 219.00 | Set  | Cost of MS sheets (As per A)   |      | Set        |        |
|         | 166.00 | Nos  | Cost of Telescopic Steel Props of Size 2m x 2m   |      | Nos        |        |
|         | 100.00 | Nos  | Cost of Adjustable Span  |      | Nos        |        |
|         |        |      | Total for 40 Uses  |      |            |        |
|         |        |      | Total for 1 Use (C)  |      |            |        |
|         |        |      | <b>Main Data for 128.66 Sq.m</b>   |      |            |        |
|         | 1.00   | Use  | Cost of MS Sheets, Telescopic Prop and Adjustable Span (as per C)                                      |      | Use        |        |
|         | 1.00   | Use  | Cost of CW Plank (as per B)  |      | Use        |        |
|         | 10.00  | Nos  | Carpenter I Class  |      | Nos        |        |
|         | 30.00  | Nos  | Carpenter II Class   |      | Nos        |        |
|         | 54.00  | Nos  | Mazdoor Category I   |      | Nos        |        |
|         | 10.00  | Nos  | Fitter II Class (Bar bending)  |      | Nos        |        |
|         |        |      | Add for Wedges, Coils, nails @ 1% of materials   |      |            |        |
|         |        |      | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props, Spans and Planks @ 5% of Material |      |            |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate          | Per   | Amount |
|---------|---|-------|---|---------------|-------|--------|
|         |   |       | Total cost for 128.66 Sq.m  |               |       |        |
|         |   |       | Rate for 1sq.m (X)  |               |       |        |
| a       |   |       | <b>Centering for curved RCC slab surfaces upto 3.60m height</b>   |               |       |        |
|         | 1.00  | sq.m. | Rate for centering for plane surfaces such as RCC Floor Slab, Roof Slab, Loft, Landing Slabs, etc with necessary supports and strutting upto 3.60m height ( X ) |               | sq.m. |        |
|         |   |       | Add 50% extra of above rate   |               |       |        |
|         |   |       | <b>Total for 1 sq.m.</b>  |               |       |        |
| 150     | Supplying and erecting <b>centering</b> for plane surfaces such as RCC Floor Slab, Roof Slab, Loft, Landing Slabs, etc with necessary supports and strutting above 3.60m upto 4.90m height in all floors with all cross bracings using MS Sheets made of 10 gauge thick welded with MS angle of Size 25mm x 25mm x 3mm for boarding laid over steel adjustable span of size 2m x 2m (expandable upto 3.60m) and supported by Steel Adjustable Telescopic Props of Size 2.40m x 3.00m (expandable upto 4.90m) made with outer steel pipe with dia 50mm (3.60mm thick) and inner steel pipe with dia 40mm (2.90mm thick) with Cross bracings provided at two levels at a spacing of 1.80m ,etc complete complying with standard specifications. Steel adjustable span and Steel Adjustable telescopic props shall be provided as directed by the departmental Officers (Payment for centering shall be given after the concrete is laid). |       |   |               |       |        |
|         |   |       | Total area of Slab =  | 128.66        | Sq.m  |        |
|         |   |       | Area of Sheet (208 x 0.90 x 0.60m) =  | 112.32        | Sq.m  |        |
|         |   |       | Area of Plank (Country wood Plank of 25mm thick upto 30cm wide)   | 16.34         | Sq.m  |        |
|         |   |       | Total number of sheets required for 128.66 m <sup>2</sup>   | 208.00        | Nos   |        |
|         |   |       | Add 5% for Overlap and wastage  | 10.40         | Nos   |        |
|         |   |       | Say   | 11.00         | Nos   |        |
|         |   |       | Total   | <b>219.00</b> | Nos   |        |
|         |   |       | Total Number of adjustable Telescopic Prop(Vertical) required for Slab (2.40 x 3.00m expandable upto 4.90m)   | 94.00         | Nos   |        |
|         |   |       | Props required as Cross Bracings  | 144.00        | nos   |        |
|         |   |       | Total   | <b>238.00</b> | Nos   |        |
|         |   |       | Total number of adjustable span of 2m x 2m expandable upto 3.60m  | <b>100.00</b> | Nos   |        |
|         |   |       |   |               |       |        |
|         |   |       | Countrywood Plank required (16.34 x 0.025)  | 0.4085        | Cu.m  |        |
|         |   |       | Add 5% for Wastage  | 0.0204        | Cu.m  |        |
|         |   |       | Total   | <b>0.4289</b> | Cu.m  |        |

| Sl. No. | Qty.   | Unit | Description   | Rate  | Per        | Amount |
|---------|--------|------|---|-------|------------|--------|
|         |        |      | <b>Sub Data: 1</b>  |       |            |        |
|         |        |      | Cost of MS sheets and angles for each set:  |       |            |        |
|         |        |      | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm  |       |            |        |
|         |        |      | $3.175 \times 7850 / 1000 \times 0.54 =$  | 13.46 | Kg         |        |
|         |        |      | Weight of MS angles of size 25cm x 25mm x 3mm:  |       |            |        |
|         |        |      | $3.6 \times 1.1 \text{ kg} / \text{m} =$  | 4.00  | Kg         |        |
|         |        |      |   |       |            |        |
|         | 13.46  | Kg   | Cost of MS sheets   |       | Kg         |        |
|         | 4.00   | Kg   | Cost of MS angles   |       | Kg         |        |
|         |        |      |   |       |            |        |
|         | LS     |      | Add for cutting, bending, welding charges etc. @ 10% of material cost                               |       | LS         |        |
|         |        |      | Total for one set (A)   |       | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 2 (Cost of CW Plank for 128.66 m<sup>2</sup>)</b>                                      |       |            |        |
|         | 0.4289 | Cu.m | CW Plank upto 30cm wide and 25mm thick  |       | Cu.m       |        |
|         |        |      | Total for 5 Uses  |       |            |        |
|         |        |      | Total for 1 Use (B)   |       | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 3 (Cost of MS Sheet, Telescopic Prop and Adjustable Span for 128.66 m<sup>2</sup>)</b> |       |            |        |
|         | 219.00 | Set  | Cost of MS sheets (As per A)  |       | Set        |        |
|         | 238.00 | Nos  | Cost of Telescopic Steel Props of size 2.40 m x 3.00 m  |       | Nos        |        |
|         | 100.00 | Nos  | Cost of Adjustable Span   |       | Nos        |        |
|         |        |      | Total for 40 Uses   |       |            |        |
|         |        |      | Total for 1 Use (C)   |       |            |        |
|         |        |      | <b>Main Data for 128.66 Sq.m</b>  |       |            |        |
|         | 1.00   | Use  | Cost of MS Sheets, Telescopic Prop and Adjustable Span (as per C)                                   |       | Use        |        |
|         | 1.00   | Use  | Cost of CW Plank (as per B)   |       | Use        |        |
|         | 10.00  | Nos  | Carpenter I Class   |       | Nos        |        |
|         | 30.00  | Nos  | Carpenter II Class  |       | Nos        |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate          | Per   | Amount |
|---------|---|-------|---|---------------|-------|--------|
|         | 55.00   | Nos   | Mazdoor Category I  |               | Nos   |        |
|         | 10.00   | Nos   | Fitter II Class (Bar bending)   |               | Nos   |        |
|         |   |       | Add for Wedges, Coils, nails @ 1% of materials  |               |       |        |
|         |   |       | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props, Spans and Planks @ 5% of Material  |               |       |        |
|         |   |       | Total cost for 128.66 Sq.m  |               |       |        |
|         |   |       | Rate for 1 sq.m. (X)  |               |       |        |
| a       |   |       | <b>Centering for curved RCC slab surfaces above 3.60m upto 4.90m height</b>   |               |       |        |
|         | 1.00  | sq.m. | Rate for centering for plane surfaces such as RCC Floor Slab, Roof Slab, Loft, Landing Slabs, etc with necessary supports and strutting above 3.60m upto 4.90m height ( X ) |               | sq.m. |        |
|         |   |       | Add 50% extra of above rate   |               |       |        |
|         |   |       | <b>Total for 1 sq.m.</b>  |               |       |        |
|         |   |       |   |               |       |        |
| 151     | <p>Supplying and erecting <b>centering</b> for plane surfaces such as RCC Floor Slab, Roof Slab, Loft, Landing Slabs, etc with necessary supports and strutting <b>above 4.90m upto 5.50m</b> height in all floors with all cross bracings using MS Sheets made of 10 gauge thick welded with MS angle of Size 25mm x 25mm x 3mm for boarding laid over steel adjustable span of size 2m x 2m (expandable upto 3.60m) and supported by Steel Adjustable Telescopic Props of Size 3.00m x 3.00m (expandable upto 5.50m) made with outer steel pipe with dia 50mm (3.60mm thick) and inner steel pipe with dia 40mm (2.90mm thick) with Cross bracings provided at two levels at a spacing of 1.80m ,etc complete complying with standard specifications. Steel adjustable span and Steel Adjustable telescopic props shall be provided as directed by the departmental Officers (Payment for centering shall be given after the concrete is laid).</p> |       |   |               |       |        |
|         |   |       | Total area of Slab =  | 128.66        | Sq.m  |        |
|         |   |       | Area of Sheet (208 x 0.90 x 0.60m) =  | 112.32        | Sq.m  |        |
|         |   |       | Area of Plank (Country wood Plank of 25mm thick upto 30cm wide)   | 16.34         | Sq.m  |        |
|         |   |       | Total number of sheets required for 128.66 m <sup>2</sup>   | 208.00        | Nos   |        |
|         |   |       | Add 5% for Overlap and wastage  | 10.40         | Nos   |        |
|         |   |       | Say   | 11.00         | Nos   |        |
|         |   |       | Total   | <b>219.00</b> | Nos   |        |
|         |   |       | Total Number of adjustable Telescopic Prop(Vertical) required for Slab (3.00 x 3.00m expandable upto 5.50m)   | 94.00         | Nos   |        |

| Sl. No. | Qty.   | Unit | Description   | Rate          | Per        | Amount |
|---------|--------|------|---|---------------|------------|--------|
|         |        |      | Props required as Cross Bracings  | 144.00        | nos        |        |
|         |        |      | Total   | <b>238.00</b> | Nos        |        |
|         |        |      | Total number of adjustable span of 2m x 2m expandable upto 3.60m                                    | <b>100.00</b> | Nos        |        |
|         |        |      |   |               |            |        |
|         |        |      | Countrywood Plank required (16.34 x 0.025)  | 0.4085        | Cu.m       |        |
|         |        |      | Add 5% for Wastage  | 0.0204        | Cu.m       |        |
|         |        |      | Total   | <b>0.4289</b> | Cu.m       |        |
|         |        |      | <b>Sub Data: 1</b>  |               |            |        |
|         |        |      | Cost of MS sheets and angles for each set:  |               |            |        |
|         |        |      | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm  |               |            |        |
|         |        |      | 3.175 x 7850 / 1000 x 0.54 =  | 13.46         | Kg         |        |
|         |        |      | Weight of MS angles of size 25cm x 25mm x 3mm:  |               |            |        |
|         |        |      | 3.6 x 1.1 kg / m =  | 4.00          | Kg         |        |
|         | 13.46  | Kg   | Cost of MS sheets   |               | Kg         |        |
|         | 4.00   | Kg   | Cost of MS angles   |               | Kg         |        |
|         |        |      |   |               |            |        |
|         | LS     |      | Add for cutting, bending, welding charges etc. @ 10% of material cost                               |               | LS         |        |
|         |        |      | Total for one set (A)   |               | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 2 (Cost of CW Plank for 128.66 m<sup>2</sup>)</b>                                      |               |            |        |
|         | 0.4289 | Cu.m | CW Plank upto 30cm wide and 25mm thick  |               | Cu.m       |        |
|         |        |      | Total for 5 Uses  |               |            |        |
|         |        |      | Total for 1 Use (B)   |               | <b>Rs.</b> |        |
|         |        |      | <b>Sub Data: 3 (Cost of MS Sheet, Telescopic Prop and Adjustable Span for 128.66 m<sup>2</sup>)</b> |               |            |        |
|         | 219.00 | Set  | Cost of MS sheets (As per A)  |               | Set        |        |
|         | 238.00 | Nos  | Cost of Telescopic Steel Props of size 3.00 m x 3.00 m  |               | Nos        |        |
|         | 100.00 | Nos  | Cost of Adjustable Span   |               | Nos        |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate | Per   | Amount |
|---------|---|-------|---|------|-------|--------|
|         |   |       | Total for 40 Uses   |      |       |        |
|         |   |       | Total for 1 Use (C)   |      |       |        |
|         |   |       | <b>Main Data for 128.66 m<sup>2</sup></b>   |      |       |        |
|         | 1.00  | Use   | Cost of MS Sheets, Telescopic Prop and Adjustable Span (as per C)   |      | Use   |        |
|         | 1.00  | Use   | Cost of CW Plank (as per B)   |      | Use   |        |
|         | 10.00   | Nos   | Carpenter I Class   |      | Nos   |        |
|         | 30.00   | Nos   | Carpenter II Class  |      | Nos   |        |
|         | 55.00   | Nos   | Mazdoor Category I  |      | Nos   |        |
|         | 10.00   | Nos   | Fitter II Class (Bar bending)   |      | Nos   |        |
|         |   |       | Add for Wedges, Coils, nails @ 1% of materials  |      |       |        |
|         |   |       | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props, Spans and Planks @ 5% of Material  |      |       |        |
|         |   |       | Total cost for 128.66 Sq.m  |      |       |        |
|         |   |       | Rate for 1 sq.m. (X)  |      |       |        |
| a       |   |       | <b>Centering for curved RCC slab surfaces above 4.90m upto 5.50m height</b>   |      |       |        |
|         | 1.00  | sq.m. | Rate for centering for plane surfaces such as RCC Floor Slab, Roof Slab, Loft, Landing Slabs, etc with necessary supports and strutting above 4.90m upto 5.50m height ( X ) |      | sq.m. |        |
|         |   |       | Add 50% extra of above rate   |      |       |        |
|         |   |       | <b>Total for 1 sq.m.</b>  |      |       |        |
|         |   |       |   |      |       |        |
|         |   |       |   |      |       |        |
| 152     | Supplying and erecting <b>centering for sides</b> and soffits including necessary supports and strutting upto <b>2.10 M</b> height for plane surfaces as detailed below in all floors with all cross bracings using Mild Steel sheets of size 90 x 60 cm and 10 BG stiffened with welded Mild Steel angle of size 25mm x 25mm x 3 mm for boarding laid over silver oak joists of size 10cm x 6.50 cm spaced at abote 90 cm centre to centre and supported by casurina props of 10cm to 13 cm dia spaced at not more than 75 cm centre to centre etc. complete complying with the standard specifaicon and as directed by the departmental Officers(Payment for centering shall be given after the concrete is laid) |       |   |      |       |        |
|         |   |       | <b>Sub Data: 1</b>  |      |       |        |
|         |   |       | Cost of MS sheets and angles for each set:  |      |       |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate  | Per  | Amount |
|---------|-------|-------|---|-------|------|--------|
|         |       |       | Weight of MS sheets 10 gauge of size 90cm x 60cm x 3.175mm                        |       |      |        |
|         |       |       | $3.175 \times 7850 / 1000 \times 0.54 =$  | 13.46 | Kg   |        |
|         |       |       | Weight of MS angles of size 25cm x 25mm x 3mm:                                    |       |      |        |
|         |       |       | $3.6 \times 1.1 \text{ kg} / \text{m} =$  | 4.00  | Kg   |        |
|         |       |       |   |       |      |        |
|         | 13.46 | Kg    | Cost of MS sheets   |       | Kg   |        |
|         | 4.00  | Kg    | Cost of MS angles   |       | Kg   |        |
|         |       |       |   |       |      |        |
|         | LS    |       | Add for cutting, bending, welding charges etc. @ 10% of material cost             |       | LS   |        |
|         |       |       | <b>Total for one set (A)</b>  |       |      |        |
|         |       |       | <b>Sub Data: 2</b>  |       |      |        |
|         |       |       | Cost of MS sheets and angles and silver oak joists and casurina props for 1 sq.m. | -     |      |        |
|         | 19.00 | Set   | Cost of MS sheets and MS angles (as per A) (Adopting 40 uses)                     |       | Each |        |
|         |       |       | Total for 40 uses   |       |      |        |
|         |       |       | <b>Total for 1 use / sq.m. (B)</b>  |       |      |        |
|         |       |       |   |       |      |        |
|         | 0.12  | Cu.m  | Cost of silver oak joists of size 10cm x 6.5cm                                    |       | Cu.m |        |
|         | 63.00 | RM    | Cost of casurina props 10 to 13cm dia.  |       | RM   |        |
|         |       |       | <b>Total for 5 uses</b>   |       |      |        |
|         |       |       | (Adopting 5 uses for silver oak / country wood joists and casurina props          |       |      |        |
|         |       |       | <b>Total for 1 use / sq.m. (C)</b>  |       |      |        |
|         |       |       |   |       |      |        |
|         |       |       | <b>Main Data for centering for 10 sq.m.</b>                                       |       |      |        |
|         | 10.00 | sq.m. | Cost of MS sheets and angles (B)  |       | Each |        |
|         | 10.00 | sq.m. | Cost of silver oak joists and casurina props (C)                                  |       | Cu.m |        |
|         |       | LS    | Add for silver planks   |       | LS   |        |
|         | 3.80  | Nos.  | Carpenter I Class   |       | Each |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate          | Per         | Amount |
|---------|--|-------|--|---------------|-------------|--------|
|         | 5.40   | Nos.  | Mazdoor Category-I   |               | Each        |        |
|         | 1.00   | No    | Fitter II Class  |               | Each        |        |
|         |  | LS    | Add for wedges, coils, nails, etc.,  |               | LS          |        |
|         |  | LS    | For periodical cleaning and painting of MS sheets & angles (5% of cost of sheet & angle)                     |               | LS          |        |
|         |  |       | Total for 10 sq.m.   |               |             |        |
|         |  |       | <b>Rate for 1 sq.m. (X)</b>  |               |             |        |
| a       |  |       | <b>Centering for curved all RCC surfaces upto 2.10 M height</b>  |               |             |        |
|         | 1.00   | sq.m. | Rate for centering for sides and soffits including necessary supports and strutting upto 2.10 M height ( X ) |               | sq.m.       |        |
|         |  |       | Add 50% extra of above rate  |               |             |        |
|         |  |       | <b>Total for 1 sq.m.</b>   |               |             |        |
|         |  |       |  |               |             |        |
| 153     | Supplying and erecting steel centering including necessary supports for plane surfaces for Reinforced Cement Concrete works such as <b>vertical slab</b> , side slabs of boxing, vertical drops, fascia, vertical wall, etc. using mild steel sheets of size 1200cm x 60cm and 10 BG stiffened with welded mild steel angles of size 40mm x 40mm x 5 mm for boarding, laid with silver oak joists of size 10cm x 5cm & 7.5cm x 5cm as support runner, Top Horizontal stiffener spaced at about 60cm to 90cm centre to centre or at suitable intervals. MS Channel Section (ISMC 100) shall be provided as a vertical support @1.20m C/C and with Lateral support of Steel Adjustable Telescopic Props of Size 2m x 2m (expandable upto 3.60m) & steel pipes of 20mm dia @ required level/spacing etc. complete complying with standard specification and as directed by the departmental officers. (Payment for centering shall be given after the concrete is laid) |       |  |               |             |        |
|         |  |       | Total area of Slab =   | 156.00        | Sq.m        |        |
|         | I  |       | Area of Sheet (200 x 1.20 x 0.60m) =   | 144.00        | Sq.m        |        |
|         |  |       | Total number of sheets required for 144 m <sup>2</sup>   | 200.00        | Nos         |        |
|         |  |       | Add 5% for Overlap and wastage   | 10.00         | Nos         |        |
|         |  |       | Total  | <b>210.00</b> | <b>Nos</b>  |        |
|         |  |       |  |               |             |        |
|         | II   |       | Area of Plank (Country wood Plank of 25mm thick upto 30cm wide)  | 12.00         | Sq.m        |        |
|         |  |       | Countrywood Plank required (12 x 0.025)  | 0.3000        | Cu.m        |        |
|         |  |       | Add 5% for Wastage   | 0.0150        | Cu.m        |        |
|         |  |       | Total  | <b>0.3150</b> | <b>Cu.m</b> |        |

| Sl. No. | Qty.  | Unit | Description  | Rate           | Per         | Amount |  |
|---------|-------|------|--|----------------|-------------|--------|--|
|         |       |      |  |                |             |        |  |
|         | III   |      | Total Number of adjustable Telescopic Prop(Vertical) required for Vertical wall (2.00 x 2.00m expandable upto 3.60m) | 156.00         | Nos         |        |  |
|         |       |      | Total  | <b>156.00</b>  | <b>Nos</b>  |        |  |
|         | IV    |      | Silver Oak Joists required (240x10.00x5.00cm)  | 1.20           | Cu.m        |        |  |
|         |       |      | Silver Oak Joists required (51x0.60x7.50x5.00cm)   | 0.11           | Cu.m        |        |  |
|         |       |      | Total  | 1.31           |             |        |  |
|         |       |      | Add 5% for Wastage   | 0.07           | Cu.m        |        |  |
|         |       |      | Total  | <b>1.38</b>    | <b>Cu.m</b> |        |  |
|         | V     |      | Horizontal stiffener for MS sheet - GI Pipe of 20mm dia  | <b>540.00</b>  | <b>RM</b>   |        |  |
|         | VI    |      | Vertical stiffener for MS sheet - Channel section ( <b>ISMC 100</b> ) of size 100 x 50 @ 9.20kg/m                    | 135.20         | RM          |        |  |
|         |       |      | 135.20 x 9.20 = 1243.84 kg   | <b>1243.84</b> | <b>Kg</b>   |        |  |
| A       |       |      | <b>Sub Data: 1 - Cost of MS Sheet one set</b>  |                |             |        |  |
|         |       |      | Cost of MS sheets and angles for each set:   |                |             |        |  |
|         |       |      | Weight of MS sheets 10 gauge of size 1200cm x 60cm x 3.175mm   |                |             |        |  |
|         |       |      | 3.175 x 7850 / 1000 x 0.72 =   | 17.95          | Kg          |        |  |
|         |       |      | Weight of MS angles of size 40mm x 40mm x 5mm:   |                |             |        |  |
|         |       |      | 3.96 x 3 kg / m =  | 11.88          | Kg          |        |  |
|         |       |      |  |                |             |        |  |
|         | 17.95 | Kg   | Cost of MS sheets  |                | Kg          |        |  |
|         | 11.88 | Kg   | Cost of MS angles  |                | Kg          |        |  |
|         |       |      |  |                |             |        |  |
|         | LS    |      | Add for cutting, bending, welding charges & pipe clipping arrangements etc @ 1% etc.                                 |                | LS          |        |  |
|         |       |      | Total cost for one set sheet of size 1.2x0.6m sheet for 40 uses (A)  |                | <b>Rs.</b>  |        |  |
|         |       |      |  |                |             |        |  |

| Sl. No. | Qty.    | Unit | Description   | Rate | Per        | Amount |
|---------|---------|------|---|------|------------|--------|
|         |         |      | <b>Sub Data: 2 - Cost of Silver Oak Joists</b>  |      |            |        |
|         | 1.38    | Cu.m | Cost of Silver Oak Joists   |      | Cu.m       |        |
|         |         |      | Total for 5 Uses  |      |            |        |
|         |         |      | Total for 1 Use (B)   |      | <b>Rs.</b> |        |
|         |         |      | <b>Sub Data: 3 (Cost of CW Plank for 12 m<sup>2</sup>)</b>                                      |      |            |        |
|         | 0.3150  | Cu.m | CW Plank upto 30cm wide and 25mm thick  |      | Cu.m       |        |
|         |         |      | Total for 5 Uses  |      |            |        |
|         |         |      | Total for 1 Use (C)   |      | <b>Rs.</b> |        |
|         |         |      | <b>Sub Data: 4 (Cost of MS Sheet, Telescopic Prop, GI Pipe &amp; Channel Section )</b>          |      |            |        |
|         | 210.00  | Set  | Cost of MS sheets (A)   |      | Set        |        |
|         | 156.00  | Nos  | Cost of Telescopic Steel Props of size 2m x 2m  |      | Nos        |        |
|         | 540.00  | RM   | Cost of 20mm dia GI Pipe  |      | RM         |        |
|         | 1243.84 | Kg   | Cost of Channel section ( <b>ISMC 100</b> )   |      | Kg         |        |
|         |         |      | Total for 40 Uses   |      |            |        |
|         |         |      | Total for 1 Use (D)   |      |            |        |
|         |         |      | <b>Main Data for 156.00 Sq.m</b>  |      |            |        |
|         | 1.00    | use  | Cost of MS Sheets, Telescopic Prop, GI Pipe Channel section per Use (as per D)                  |      | use        |        |
|         | 1.00    | Use  | Cost of CW Plank (as per C)   |      | Use        |        |
|         | 1.00    | Use  | Cost of Silver Oak Joists (as per B)  |      | Use        |        |
|         | 5.00    | Nos  | Carpenter I Class   |      | Nos        |        |
|         | 20.00   | Nos  | Carpenter II Class  |      | Nos        |        |
|         | 48.00   | Nos  | Mazdoor Category I  |      | Nos        |        |
|         | 7.50    | Nos  | Fitter II Class (Bar bending)   |      | Nos        |        |
|         |         |      | Add for Wedges, Coils, nails @ 1% of materials  |      |            |        |
|         |         |      | For Periodical Cleaning, Oiling and Maintenance of MS Sheets, Props and Joists @ 5% of Material |      |            |        |
|         |         |      | Total cost for 156.00 Sq.m  |      |            |        |
|         |         |      | Rate for 1 sq.m.  |      |            |        |

## REINFORCED CEMENT CONCRETE

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
| 154     | Cement Concrete 1:2:4 (One Cement, Two crushed stone sand and Four hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges, centering and shuttering but including Super Plasticiser, laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers - <b>manual mix</b>                |      |  |      |      |        |
|         | 9.00   | Cu.m | 20mm Machine Crushed Stone Jelly                       |      | Cu.m |        |
|         | 4.50   | Cu.m | Crushed Stone Sand                                     |      | Cu.m |        |
|         | 3231.00  | kg   | Cement   |      | MT   |        |
|         | 19.50  | lit  | Super Plasticiser @0.60% of cement                     |      | lit  |        |
|         | 3.50   | Nos. | Mason II Class   |      | Each |        |
|         | 21.20  | Nos. | Mazdoor Category I                                     |      | Each |        |
|         | 35.30  | Nos. | Mazdoor Category II                                    |      | Each |        |
|         |  |      | Total for 10 Cu.m                                      |      |      |        |
|         |  |      | for 1 Cu.m   |      |      |        |
|         |  |      | Add for vibration charges                              |      |      |        |
|         |  |      | Sub-Total for 1 Cu.m (X)                               |      |      |        |
|         |  |      | Add for water charges&other sundries(1%of Sub-Total X) |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |
| 155     | Cement Concrete 1:1-1/2:3 (One Cement, One and a half crushed stone sand and Three hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges centering and shuttering but including Super Plasticiser, laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers - <b>manual mix</b> |      |  |      |      |        |
|         | 9.00   | Cu.m | 20mm Machine Crushed Stone Jelly                       |      | Cu.m |        |
|         | 4.50   | Cu.m | Crushed Stone Sand                                     |      | Cu.m |        |
|         | 4308.00  | kg   | Cement   |      | MT   |        |
|         | 26.00  | lit  | Super Plasticiser @0.60% of cement                     |      | lit  |        |
|         | 3.50   | Nos. | Mason II Class   |      | Each |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         | 21.20  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 35.30  | Nos. | Mazdoor Category II  |      | Each |        |
|         |  |      | Total for 10 Cu.m  |      |      |        |
|         |  |      | for 1 Cu.m   |      |      |        |
|         |  |      | Add for vibration charges                                  |      |      |        |
|         |  |      | Sub-Total for 1 Cu.m (X)                                   |      |      |        |
|         |  |      | Add for water charges&other sundries(1%of Sub-Total X)     |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |
| 156     | Cement Concrete 1:2:4 (One Cement, Two crushed stone sand and Four hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges, centering and shuttering but including Super Plasticiser, <b>mixing charges for machine mix</b> , laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers - <b>machine mix</b> |      |  |      |      |        |
|         |  |      | <b>SUB DATA</b>  |      |      |        |
|         |  |      | <b>For machine mix - 20 m<sup>3</sup> per day</b>          |      |      |        |
|         |  |      | <b>mixing - 15 bags/hour(1 bag/ 4 minutes)</b>             |      |      |        |
|         | 1.00   | Day  | Mixer machine with hopper                                  |      | Day  |        |
|         | 1.00   | Day  | Mixer machine driver                                       |      | Day  |        |
|         |  |      | Total for 20 Cu.m  |      |      |        |
|         |  |      | Total for 1 Cu.m (A)                                       |      |      |        |
|         |  |      | Main Data  |      |      |        |
|         | 9.00   | Cu.m | 20mm Machine Crushed Stone Jelly                           |      | Cu.m |        |
|         | 4.50   | Cu.m | Crushed Stone Sand   |      | Cu.m |        |
|         | 3231.00  | kg   | Cement   |      | MT   |        |
|         | 19.50  | lit  | Super Plasticiser @0.60% of cement                         |      | lit  |        |
|         | 10.00  | cu.m | Charges for mixing by mechanical means (as per sub Data A) |      | cu.m |        |
|         | 0.50   | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 2.50   | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 17.50  | Nos  | Mazdoor Category I   |      | Nos  |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         | 30.50  | Nos  | Mazdoor Category II  |      | Nos  |        |
|         |  |      | Total for 10 cu.m  |      |      |        |
|         |  |      | For 1cu.m  |      |      |        |
|         |  |      | Add for Vibration charge   |      | cu.m |        |
|         |  |      | Sub-Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | <b>Add for water charges &amp; other sundries(1%of Sub-Total X)</b>  |      |      |        |
|         |  |      | Rate for 1 cu.m  |      |      |        |
| 157     | Cement Concrete 1:1-1/2:3 (One Cement, One and a half crushed stone sand and Three hard broken stone jelly) using 20 mm gauge hard broken granite stone jelly for all RCC items of works excluding cost of reinforcement grill and fabricating charges centering and shuttering but including Super Plasticiser, mixing charges for machine mix,laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor / roof slabs wherever necessary and bearing surfaces of walls, beams etc. shall be finished smooth with Cement Mortar 1:3 (One Cement and Three Sand) and kraft paper laid over it without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers - <b>machine mix</b> |      |  |      |      |        |
|         |  |      | <b>SUB DATA<br/>For machine mix - 20 m<sup>3</sup> per day<br/>mixing - 15 bags/hour(1 bag/<br/>4 minutes)</b> |      |      |        |
|         | 1.00   | Day  | Mixer machine with hopper  |      | Day  |        |
|         | 1.00   | Day  | Mixer machine driver   |      | Day  |        |
|         |  |      | Total for 20 Cu.m  |      |      |        |
|         |  |      | Total for 1 Cu.m (A)   |      |      |        |
|         |  |      | Main Data  |      |      |        |
|         | 9.00   | Cu.m | 20mm Machine Crushed Stone Jelly   |      | Cu.m |        |
|         | 4.50   | Cu.m | Crushed Stone Sand   |      | Cu.m |        |
|         | 4308.00  | kg   | Cement   |      | MT   |        |
|         | 34.50  | lit  | Super Plasticiser @0.80% of cement   |      | lit  |        |
|         | 10.00  | cu.m | Charges for mixing by mechanical means (as per sub Data A)   |      | cu.m |        |
|         | 0.50   | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 2.50   | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 17.50  | Nos  | Mazdoor Category I   |      | Nos  |        |
|         | 30.50  | Nos  | Mazdoor Category II  |      | Nos  |        |

| Sl. No. | Qty.    | Unit | Description  | Rate | Per  | Amount |
|---------|---------|------|--|------|------|--------|
|         |         |      | Total for 10 cu.m  |      |      |        |
|         |         |      | For 1 cu.m   |      |      |        |
|         |         |      | Add for Vibration charge (X)   |      | cu.m |        |
|         |         |      | Sub-Total for 1 Cu.m   |      |      |        |
|         |         |      | <b>Add for water charges &amp; other sundries (1%of Sub-Total X)</b>   |      |      |        |
|         |         |      | Rate for 1 cu.m  |      |      |        |
| 158     |         |      | Providing and laying in position, standardised concrete Mix M-20 Grade <b>by insitu machine mix concrete adopting weighing batch method</b> in accordance with IS 456 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m <sup>3</sup> and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials). |      |      |        |
|         |         |      | <b>SUB DATA</b><br><b>For machine mix - 20 m<sup>3</sup> per day</b><br><b>mixing - 15 bags/hour(1 bag/</b><br><b>4 minutes)</b>   |      |      |        |
|         | 1.00    | Day  | Mixer machine with hopper  |      | Day  |        |
|         | 1.00    | Day  | Mixer machine driver   |      | Day  |        |
|         |         |      | Total for 20 Cu.m  |      |      |        |
|         |         |      | Total for 1 Cu.m (A)   |      |      |        |
|         |         |      | Main Data  |      |      |        |
|         |         |      | M 20 CONCRETE  |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand   |      | cu.m |        |
|         | 3250.00 | kg   | Cement   |      | MT   |        |
|         | 19.50   | lit  | Super Plasticiser @0.60% of cement   |      | lit  |        |
|         | 10.00   | cu.m | Charges for mixing by mechanical means (as per sub Data A)   |      | cu.m |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         | 0.50   | Nos  | Mason Ist Class   |      | Nos  |        |
|         | 2.50   | Nos  | Mason IInd Class  |      | Nos  |        |
|         | 17.50  | Nos  | Mazdoor Category I  |      | Nos  |        |
|         | 30.50  | Nos  | Mazdoor Category II   |      | Nos  |        |
|         |  |      | Total for 10 cu.m   |      |      |        |
|         |  |      | For 1cu.m   |      |      |        |
|         |  |      | Add for Vibration charge (X)                                      |      | cu.m |        |
|         |  |      | Sub-Total for 1 Cu.m  |      |      |        |
|         |  |      | <b>Add for water charges&amp;other sundries(1%of Sub-Total X)</b> |      |      |        |
|         |  |      | Rate for 1 cu.m   |      |      |        |
| 159     | <p>Providing and laying in position, Standardised Concrete Mix M-25 Grade <b>by insitu machine mix concrete adopting weighing batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 350 kglm<sup>3</sup> and maximum water cement ratio of 0.50, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials).</p> |      |   |      |      |        |
|         |  |      | <b>SUB DATA</b>   |      |      |        |
|         |  |      | <b>For machine mix - 20 m<sup>3</sup> per day</b>                 |      |      |        |
|         |  |      | <b>mixing - 15 bags/hour(1 bag/ 4 minutes)</b>                    |      |      |        |
|         | 1.00   | Day  | Mixer machine with hopper   |      | Day  |        |
|         | 1.00   | Day  | Mixer machine driver  |      | Day  |        |
|         |  |      | Total for 20 Cu.m   |      |      |        |
|         |  |      | Total for 1 Cu.m (A)  |      |      |        |
|         |  |      | Main Data   |      |      |        |
|         |  |      | M 25 CONCRETE   |      |      |        |
|         | 5.00   | cu.m | 20mm Machine Crushed Stone Jelly                                  |      | cu.m |        |
|         | 3.30   | cu.m | 10-12mm Machine Crushed Stone Jelly                               |      | cu.m |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         | 4.79   | cu.m | Crushed stone Sand   |      | cu.m |        |
|         | 3500.00  | kg   | Cement   |      | MT   |        |
|         | 28.00  | lit  | Super Plasticiser @0.80% of cement   |      | lit  |        |
|         | 10.00  | cu.m | Charges for mixing by mechanical means (as per sub Data A)                               |      | cu.m |        |
|         | 0.50   | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 2.50   | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 17.50  | Nos  | Mazdoor Category I   |      | Nos  |        |
|         | 30.50  | Nos  | Mazdoor Category II  |      | Nos  |        |
|         |  |      | Total for 10 cu.m  |      |      |        |
|         |  |      | For 1cu.m  |      |      |        |
|         |  |      | Add for Vibration charge   |      | cu.m |        |
|         |  |      | Sub-Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | Add for water charges&other sundries(1%of Sub-Total X)                                   |      |      |        |
|         |  |      | Rate for 1 cu.m  |      |      |        |
| 160     | <p>Providing and laying in position, Standardised Concrete Mix M-30 Grade <b>by insitu machine mix concrete adopting weighing batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 400 kg/m<sup>3</sup> and maximum water cement ratio of 0.45, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials).</p> |      |  |      |      |        |
|         |  |      | <b>SUB DATA</b>  |      |      |        |
|         |  |      | <b>For machine mix - 20 m<sup>3</sup> per day mixing - 15 bags/hour(1 bag/4 minutes)</b> |      |      |        |
|         | 1.00   | Day  | Mixer machine with hopper  |      | Day  |        |
|         | 1.00   | Day  | Mixer machine driver   |      | Day  |        |
|         |  |      | Total for 20 Cu.m  |      |      |        |
|         |  |      | Total for 1 Cu.m (A)   |      |      |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         |  |      | Main Data  |      |      |        |
|         |  |      | <b>M 30 CONCRETE</b>   |      |      |        |
|         | 5.00   | cu.m | 20mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 3.30   | cu.m | 10-12mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 4.79   | cu.m | Crushed stone Sand   |      | cu.m |        |
|         | 4000.00  | kg   | Cement   |      | MT   |        |
|         | 40.00  | lit  | Super Plasticiser @1% of cement  |      | lit  |        |
|         | 10.00  | cu.m | Charges for mixing by mechanical means (as per sub Data A)   |      | cu.m |        |
|         | 0.50   | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 2.50   | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 17.50  | Nos  | Mazdoor Category I   |      | Nos  |        |
|         | 30.50  | Nos  | Mazdoor Category II  |      | Nos  |        |
|         |  |      | Total for 10 cu.m  |      |      |        |
|         |  |      | For 1cu.m  |      |      |        |
|         |  |      | Add for Vibration charge   |      | cu.m |        |
|         |  |      | Sub-Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | Add for water charges&other sundries (1%of Sub-Total X)  |      |      |        |
|         |  |      | Rate for 1 cu.m  |      |      |        |
| 161     | <p>Providing and laying in position, Standardised Concrete Mix M-35 Grade <b>by insitu machine mix concrete adopting weighing batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 425 kg/m<sup>3</sup> and maximum water cement ratio of 0.45, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials).</p> |      |  |      |      |        |
|         |  |      | <b>SUB DATA</b><br><b>For machine mix - 20 m<sup>3</sup> per day</b><br><b>mixing - 15 bags/hour(1 bag/</b><br><b>4 minutes)</b> |      |      |        |

| Sl. No. | Qty.    | Unit | Description  | Rate | Per  | Amount |
|---------|---------|------|--|------|------|--------|
|         | 1.00    | Day  | Mixer machine with hopper                                  |      | Day  |        |
|         | 1.00    | Day  | Mixer machine driver                                       |      | Day  |        |
|         |         |      | Total for 20 Cu.m  |      |      |        |
|         |         |      | Total for 1 Cu.m (A)                                       |      |      |        |
|         |         |      | Main Data  |      |      |        |
|         |         |      | M 35 CONCRETE  |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly                           |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly                        |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand   |      | cu.m |        |
|         | 4250.00 | kg   | Cement   |      | MT   |        |
|         | 51.00   | lit  | Super Plasticiser @1.20% of cement                         |      | lit  |        |
|         | 10.00   | cu.m | Charges for mixing by mechanical means (as per sub Data A) |      | cu.m |        |
|         | 0.50    | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 2.50    | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 17.50   | Nos  | Mazdoor Category I   |      | Nos  |        |
|         | 30.50   | Nos  | Mazdoor Category II  |      |      |        |
|         |         |      | Total for 10 cu.m  |      |      |        |
|         |         |      | For 1cu.m  |      |      |        |
|         |         |      | Add for Vibration charge                                   |      | cu.m |        |
|         |         |      | Sub-Total for 1 Cu.m (X)                                   |      |      |        |
|         |         |      | Add for water charges&other sundries(1%of Sub-Total X)     |      |      |        |
|         |         |      | Rate for 1 cu.m  |      |      |        |

| Sl. No. | Qty.    | Unit | Description   | Rate | Per  | Amount |
|---------|---------|------|---|------|------|--------|
| 162     |         |      | Providing and laying in position, Standardised Concrete Mix M-40 Grade <b>by insitu machine mix concrete adopting weighing batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 440 kg/m <sup>3</sup> and maximum water cement ratio of 0.40, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m') 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials). |      |      |        |
|         |         |      | <b>SUB DATA</b><br><b>For machine mix - 20 m<sup>3</sup> per day</b><br><b>mixing - 15 bags/hour(1 bag/</b><br><b>4 minutes)</b>  |      |      |        |
|         | 1.00    | Day  | Mixer machine with hopper   |      | Day  |        |
|         | 1.00    | Day  | Mixer machine driver  |      | Day  |        |
|         |         |      | Total for 20 Cu.m   |      |      |        |
|         |         |      | Total for 1 Cu.m (A)  |      |      |        |
|         |         |      | Main Data   |      |      |        |
|         |         |      | M 40 CONCRETE   |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand  |      | cu.m |        |
|         | 4400.00 | kg   | Cement  |      | MT   |        |
|         | 61.60   | lit  | Super Plasticiser @1.4% of cement   |      | lit  |        |
|         | 10.00   | cu.m | Charges for mixing by mechanical means (as per sub Data A)  |      | cu.m |        |
|         | 0.50    | Nos  | Mason Ist Class   |      | Nos  |        |
|         | 2.50    | Nos  | Mason IInd Class  |      | Nos  |        |
|         | 17.50   | Nos  | Mazdoor Category I  |      | Nos  |        |
|         | 30.50   | Nos  | Mazdoor Category II   |      | Nos  |        |
|         |         |      | Total for 10 cu.m   |      |      |        |
|         |         |      | For 1cu.m   |      |      |        |

| <b>Sl. No.</b> | <b>Qty.</b> | <b>Unit</b> | <b>Description</b>   | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|----------------|-------------|-------------|--|-------------|------------|---------------|
|                |             |             | Add for Vibration charge                                   |             | cu.m       |               |
|                |             |             | Sub-Total for 1 Cu.m (X)                                   |             |            |               |
|                |             |             | Add for water charges&other sundries<br>(1%of Sub-Total X) |             |            |               |
|                |             |             | Rate for 1 cu.m  |             |            |               |

| Sl. No. | Qty.    | Unit | Description   | Rate | Per  | Amount |
|---------|---------|------|---|------|------|--------|
| 163     |         |      | Providing and laying in position, standardised concrete Mix M-20 Grade <b>using In-situ Concrete batching plant/ Ready Mix Concrete (RMC) adopting weigh batch method</b> in accordance with IS 456 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 325 kg/m <sup>3</sup> and maximum water cement ratio of 0.55, including admixture (plasticiser / super plasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including Conveyance of concrete from batching plant to Work site, Electricity charges and other works & labour cost involved for concrete production, laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS standards. (No separate payment will be made by the Department for the excess usage of materials). |      |      |        |
|         |         |      | <b>M 20 CONCRETE</b>  |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand  |      | cu.m |        |
|         | 3250.00 | kg   | Cement  |      | MT   |        |
|         | 19.50   | lit  | Super Plasticiser @0.60% of cement  |      | lit  |        |
|         | 10.00   | cu.m | Production cost of concrete by batching plant including Conveyance, Electricity and other works.  |      | cu.m |        |
|         | 10.00   | cu.m | Pumping charges of concrete including hire charges of pump, piping work & accessories etc.,   |      | cu.m |        |
|         | 0.50    | Nos  | Mason Ist Class   |      | Nos  |        |
|         | 1.50    | Nos  | Mason IInd Class  |      | Nos  |        |
|         | 12.50   | Nos  | Mazdoor Category I  |      | Nos  |        |
|         | 20.50   | Nos  | Mazdoor Category II   |      | Nos  |        |
|         |         |      | Total for 10 cu.m   |      |      |        |
|         |         |      | For 1cu.m   |      |      |        |
|         |         |      | Add for Vibration charge  |      | cu.m |        |
|         |         |      | Sub-Total For 1cu.m (X)   |      |      |        |
|         |         |      | Add for water charges&other sundries(1%of Sub-Total X)  |      |      |        |
|         |         |      | Rate for 1 cu.m   |      |      |        |

| Sl. No. | Qty.    | Unit | Description   | Rate | Per  | Amount |
|---------|---------|------|---|------|------|--------|
| 164     |         |      | Providing and laying in position, Standardised Concrete Mix M-25 Grade <b>using In-situ Concrete batching plant/ Ready Mix Concrete (RMC) adopting weigh batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 350 kg/m <sup>3</sup> and maximum water cement ratio of 0.50, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including Conveyance of concrete from batching plant to Work site, Electricity charges and other works & labour cost involved for concrete production, laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials). |      |      |        |
|         |         |      | <b>M 25 CONCRETE</b>  |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand  |      | cu.m |        |
|         | 3500.00 | kg   | Cement  |      | MT   |        |
|         | 28.00   | lit  | Super Plasticiser @0.80% of cement  |      | lit  |        |
|         | 10.00   | cu.m | Production cost of concrete by batching plant including Conveyance, Electricity and other works.  |      | cu.m |        |
|         | 10.00   | cu.m | Pumping charges of concrete including hire charges of pump, piping work & accessories etc.,   |      | cu.m |        |
|         | 0.50    | Nos  | Mason Ist Class   |      | Nos  |        |
|         | 1.50    | Nos  | Mason IInd Class  |      | Nos  |        |
|         | 12.50   | Nos  | Mazdoor Category I  |      | Nos  |        |
|         | 20.50   | Nos  | Mazdoor Category II   |      | Nos  |        |
|         |         |      | Total for 10 cu.m   |      |      |        |
|         |         |      | For 1cu.m   |      |      |        |
|         |         |      | Add for Vibration charge  |      | cu.m |        |
|         |         |      | Sub-Total for 1cu.m (X)   |      |      |        |
|         |         |      | Add for water charges&other sundries(1%of Sub-Total X)  |      |      |        |
|         |         |      | Rate for 1 cu.m   |      |      |        |

| Sl. No. | Qty.    | Unit | Description  | Rate | Per  | Amount |
|---------|---------|------|--|------|------|--------|
| 165     |         |      | Providing and laying in position, Standardised Concrete Mix M-30 Grade <b>using In-situ Concrete batching plant/ Ready Mix Concrete (RMC) adopting weigh batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 400 kg/m <sup>3</sup> and maximum water cement ratio of 0.45, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m') 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including Conveyance of concrete from batching plant to Work site, Electricity charges and other works & labour cost involved for concrete production, laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials). |      |      |        |
|         |         |      | <b>M 30 CONCRETE</b>   |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand   |      | cu.m |        |
|         | 4000.00 | kg   | Cement   |      | MT   |        |
|         | 40.00   | lit  | Super Plasticiser @1% of cement  |      | lit  |        |
|         | 10.00   | cu.m | Production cost of concrete by batching plant including Conveyance, Electricity and other works.   |      | cu.m |        |
|         | 10.00   | cu.m | Pumping charges of concrete including hire charges of pump, piping work & accessories etc.,  |      | cu.m |        |
|         | 0.50    | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 1.50    | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 12.50   | Nos  | Mazdoor Category I   |      | Nos  |        |
|         | 20.50   | Nos  | Mazdoor Category II  |      | Nos  |        |
|         |         |      | Total for 10 cu.m  |      |      |        |
|         |         |      | For 1cu.m  |      |      |        |
|         |         |      | Add for Vibration charge   |      | cu.m |        |
|         |         |      | Sub-Total for 1cu.m (X)  |      |      |        |
|         |         |      | Add for water charges&other sundries(1%of Sub-Total X)   |      |      |        |
|         |         |      | Rate for 1 cu.m  |      |      |        |

| Sl. No. | Qty.    | Unit | Description  | Rate | Per  | Amount |
|---------|---------|------|--|------|------|--------|
| 166     |         |      | Providing and laying in position, Standardised Concrete Mix M-35 Grade <b>using In-situ Concrete batching plant/ Ready Mix Concrete (RMC) adopting weigh batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 425 kg/m <sup>3</sup> and maximum water cement ratio of 0.45, including admixture (plasticiser / superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m') 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including Conveyance of concrete from batching plant to Work site, Electricity charges and other works & labour cost involved for concrete production, laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials). |      |      |        |
|         |         |      | <b>M 35 CONCRETE</b>   |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand   |      | cu.m |        |
|         | 4250.00 | kg   | Cement   |      | MT   |        |
|         | 51.00   | lit  | Super Plasticiser @1.2% of cement  |      | lit  |        |
|         | 10.00   | cu.m | Production cost of concrete by batching plant including Conveyance, Electricity and other works.   |      | cu.m |        |
|         | 10.00   | cu.m | Pumping charges of concrete including hire charges of pump, piping work & accessories etc.,  |      | cu.m |        |
|         | 0.50    | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 1.50    | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 12.50   | Nos  | Mazdoor Category I   |      | Nos  |        |
|         | 20.50   | Nos  | Mazdoor Category II  |      | Nos  |        |
|         |         |      | Total for 10 cu.m  |      |      |        |
|         |         |      | For 1cu.m  |      |      |        |
|         |         |      | Add for Vibration charge   |      | cu.m |        |
|         |         |      | Sub-Total for 1cu.m (X)  |      |      |        |
|         |         |      | Add for water charges&other sundries (1% of Sub-Total X)   |      |      |        |
|         |         |      | Rate for 1 cu.m  |      |      |        |

| Sl. No. | Qty.    | Unit | Description  | Rate | Per  | Amount |
|---------|---------|------|--|------|------|--------|
| 167     |         |      | Providing and laying in position, Standardised Concrete Mix M-40 Grade <b>using In-situ Concrete batching plant/ Ready Mix Concrete (RMC) adopting weigh batch method</b> in accordance with IS:456-2000 using 20mm and down graded hard broken granite stone jelly for all RCC items of works with minimum cement content of 440 kg/m <sup>3</sup> and maximum water cement ratio of 0.40, including admixture (plasticiser/ superplasticiser) in recommended proportions as per IS:9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability with about (5.0 Cu.m) 7730 kg. of 20mm machine crushed stone jelly and with about (3.3 Cu.m) 5156 kg. of 10-12mm machine crushed stone jelly and with about (4.79 cu.m) 7670 kg. of crushed stone sand, but excluding cost of reinforcement grill and fabricating charges, centering and shuttering and also including Conveyance of concrete from batching plant to Work site, Electricity charges and other works & labour cost involved for concrete production, laying, vibrating with mechanical vibrators, finishing, curing, etc. and providing fixtures like fan clamps in the RCC floor/ roof slabs wherever necessary without claiming extra, etc., complete complying with standard specification and as directed by the departmental officers. The coarse and fine aggregates to be used should comply with the requirements of IS Standards. (No separate payment will be made by the Department for the excess usage of materials). |      |      |        |
|         |         |      | <b>M 40 CONCRETE</b>   |      |      |        |
|         | 5.00    | cu.m | 20mm Machine Crushed Stone Jelly   |      | cu.m |        |
|         | 3.30    | cu.m | 10-12mm Machine Crushed Stone Jelly  |      | cu.m |        |
|         | 4.79    | cu.m | Crushed stone Sand   |      | cu.m |        |
|         | 4400.00 | kg   | Cement   |      | MT   |        |
|         | 61.60   | lit  | Super Plasticiser @1.4% of cement  |      | lit  |        |
|         | 10.00   | cu.m | Production cost of concrete by batching plant including Conveyance, Electricity and other works.   |      | cu.m |        |
|         | 10.00   | cu.m | Pumping charges of concrete including hire charges of pump, piping work & accessories etc.,  |      | cu.m |        |
|         | 0.50    | Nos  | Mason Ist Class  |      | Nos  |        |
|         | 1.50    | Nos  | Mason IInd Class   |      | Nos  |        |
|         | 12.50   | Nos  | Mazdoor Category I   |      | Nos  |        |
|         | 20.50   | Nos  | Mazdoor Category II  |      | Nos  |        |
|         |         |      | Total for 10 cu.m  |      |      |        |
|         |         |      | For 1cu.m  |      |      |        |
|         |         |      | Add for Vibration charge   |      | cu.m |        |
|         |         |      | Sub-Total for 1cu.m (X)  |      |      |        |
|         |         |      | Add for water charges&other sundries (1% of Sub-Total X)   |      |      |        |
|         |         |      | Rate for 1 cu.m  |      |      |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
| 168     | <b>Supplying, fabricating and placing in position Mild Steel / Ribbed Tor Steel reinforcement grills of all variety like HYSD/CTD/TMT and all grade like Fe 500, Fe550D, Fe 500 D etc., for all RCC works</b> as per design given including cost of steel reinforcement and G.I. binding wire, wastage etc. complete complying with standard specification and as directed by the departmental officers.(Contractor has to make his own arrangements for the supply of steel reinforcement and binding wire) |      |  |      |      |        |
|         |  |      | MS (or) RTS rods   |      |      |        |
|         | <b>a</b>   |      | <b>For 1 Qtl - upto plinth/Basement level:</b>   |      |      |        |
|         | 1.02   | Qtl  | Cost of steel reinforcement  |      | MT   |        |
|         | 0.01   | Qtl  | Binding wire   |      | Kg   |        |
|         | 3.50   | Nos. | Fitter Ist Class - Bar Bending   |      | Each |        |
|         |  |      | <b>Rate for 1 Quintal</b>  |      |      |        |
|         | <b>b</b>   |      | <b>Add additional labour for works above plinth/Basement level in every upper floor over the preceding floor or Below Ground level of every 3.50m depth.</b> |      |      |        |
|         | 0.20   | No   | Fitter IInd Class - Bar Bending  |      | Each |        |
|         |  |      | <b>Rate for 1 Quintal</b>  |      |      |        |
|         |  |      |  |      |      |        |

## STONE MASONRY

| Sl. No.    | Qty.  | Unit | Description                                  | Rate | Per  | Amount |
|------------|---|------|--|------|------|--------|
| <b>169</b> | <b>Cut Stone in Lime Mortar</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.                |      |  |      |      |        |
|            | 10.50   | Cu.m | Cut Stone Roughly Dressed To shape at Quarry |      | Cu.m |        |
|            | 1.60  | Cu.m | Lime Mortar                                  |      | Cu.m |        |
|            | 10.60   | Nos  | Mason I Class                                |      | Nos  |        |
|            | 24.70   | Nos  | Mason II Class                               |      | Nos  |        |
|            | 35.30   | Nos  | Mazdoor Category - I                         |      | Nos  |        |
|            | 28.20   | Nos  | Mazdoor Category - II                        |      | Nos  |        |
|            |   | LS   | Sundries                                     |      |      |        |
|            |   |      | Rate for 10 m <sup>3</sup>                   |      |      |        |
|            |   |      | Sub Total for 1 Cu.m (X)                     |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X         |      |      |        |
|            |   |      | Rate for 1 Cu.m                              |      |      |        |
| <b>170</b> | <b>Cut Stone in Surkhi Mortar (1:0.5:1.50)</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |  |      |      |        |
|            | 10.50   | Cu.m | Cut Stone Roughly Dressed To shape at Quarry |      | Cu.m |        |
|            | 1.60  | Cu.m | Surkhi Mortar                                |      | Cu.m |        |
|            | 10.60   | Nos  | Mason I Class                                |      | Nos  |        |
|            | 24.70   | Nos  | Mason II Class                               |      | Nos  |        |
|            | 35.30   | Nos  | Mazdoor Category - I                         |      | Nos  |        |
|            | 28.20   | Nos  | Mazdoor Category - II                        |      | Nos  |        |
|            |   | LS   | Sundries                                     |      |      |        |
|            |   |      | Rate For 10m <sup>3</sup>                    |      |      |        |
|            |   |      | Sub Total for 1 Cu.m (X)                     |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X         |      |      |        |
|            |   |      | Rate for 1 Cu.m                              |      |      |        |
| <b>171</b> | <b>Cut Stone in Cement Mortar(1:2)</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.         |      |  |      |      |        |
|            | 10.50   | Cu.m | Cut Stone Roughly Dressed To shape at Quarry |      | Cu.m |        |

| Sl. No.    | Qty.   | Unit | Description                                  | Rate | Per  | Amount |
|------------|--|------|--|------|------|--------|
|            | 1.60   | Cu.m | Cement Mortar (1:2)                          |      | Cu.m |        |
|            | 10.60  | Nos  | Mason I Class                                |      | Nos  |        |
|            | 24.70  | Nos  | Mason II Class                               |      | Nos  |        |
|            | 35.30  | Nos  | Mazdoor Category - I                         |      | Nos  |        |
|            | 28.20  | Nos  | Mazdoor Category - II                        |      | Nos  |        |
|            |  | LS   | Sundries                                     |      |      |        |
|            |  |      | Rate for 10 Cu.m                             |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)                     |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X         |      |      |        |
|            |  |      | Rate for 1 Cu.m                              |      |      |        |
|            |  |      |  |      |      |        |
| <b>172</b> | <b>Cut Stone in Cement Mortar (1:4)</b> etc., Complete specification and as directed by the Departmental Officers. complying with standard |      |  |      |      |        |
|            | 10.50  | Cu.m | Cut Stone Roughly Dressed To shape at Quarry |      | Cu.m |        |
|            | 1.60   | Cu.m | Cement Mortar (1:4)                          |      | Cu.m |        |
|            | 10.60  | Nos  | Mason I Class                                |      | Nos  |        |
|            | 24.70  | Nos  | Mason II Class                               |      | Nos  |        |
|            | 35.30  | Nos  | Mazdoor Category - I                         |      | Nos  |        |
|            | 28.80  | Nos  | Mazdoor Category - II                        |      | Nos  |        |
|            |  | LS   | Sundries                                     |      |      |        |
|            |  |      | Rate for 10 Cu.m                             |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)                     |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X         |      |      |        |
|            |  |      | Rate for 1 Cu.m                              |      |      |        |
|            |  |      |  |      |      |        |
| <b>173</b> | <b>Ashlar Arching in Lime Mortar</b> etc., Complete specification and as directed by the Departmental Officers. complying with standard    |      |  |      |      |        |
|            | 10.50  | Cu.m | Cut Stone Roughly Dressed To shape at Quarry |      | Cu.m |        |
|            | 1.60   | Cu.m | Lime Mortar                                  |      | Cu.m |        |
|            | 10.60  | Nos  | Mason I Class                                |      | Nos  |        |
|            | 24.70  | Nos  | Mason II Class                               |      | Nos  |        |

| Sl. No.    | Qty.   | Unit | Description                             | Rate | Per  | Amount |
|------------|--|------|---|------|------|--------|
|            | 35.30  | Nos  | Mazdoor Category - I                    |      | Nos  |        |
|            | 28.80  | Nos  | Mazdoor Category - II                   |      | Nos  |        |
|            | 1.40   | Nos  | Add Extra Mason I Class                 |      | Nos  |        |
|            |  | LS   | Sundries for Centring etc...            |      |      |        |
|            |  |      | Rate for 10 Cu.m                        |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)                |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X    |      |      |        |
|            |  |      | Rate for 1 Cu.m                         |      |      |        |
| <b>174</b> | <b>Rubble Arching in Lime Mortar</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.            |      |   |      |      |        |
|            | 11.50  | Cu.m | Selected Stones of Sizes * (See Note 5) |      | Cu.m |        |
|            | 2.80   | Cu.m | Lime Mortar                             |      | Cu.m |        |
|            | 14.20  | Nos  | Mason I Class                           |      | Nos  |        |
|            | 28.20  | Nos  | Mason II Class                          |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - I                    |      | Nos  |        |
|            | 28.20  | Nos  | Mazdoor Category - II                   |      | Nos  |        |
|            |  | LS   | Sundries for Centring etc...            |      |      |        |
|            |  |      | Rate for 10 Cu.m                        |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)                |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X    |      |      |        |
|            |  |      | Rate for 1 Cu.m                         |      |      |        |
|            | Note 5: Definition will be required of Class of Local available stone to be used   |      |   |      |      |        |
| <b>175</b> | <b>Coursed Rubble in Lime Mortar First Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |   |      |      |        |
|            | 11.00  | Cu.m | Stone (Incl Bond Stones)                |      | Cu.m |        |
|            | 2.80   | Cu.m | Lime Mortar                             |      | Cu.m |        |
|            | 10.60  | Nos  | Mason I Class                           |      | Nos  |        |
|            | 24.70  | Nos  | Mason II Class                          |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - I                    |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                   |      | Nos  |        |

| Sl. No.    | Qty.   | Unit | Description                          | Rate | Per  | Amount |
|------------|--|------|--------------------------------------|------|------|--------|
|            |  | LS   | Sundries                             |      |      |        |
|            |  |      | Rate for 10 Cu.m                     |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X |      |      |        |
|            |  |      | Rate for 1 Cu.m                      |      |      |        |
| <b>176</b> | <b>Coursed Rubble in Surkhi Mortar (1:0.50:1.50) First Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |                                      |      |      |        |
|            | 11.00  | Cu.m | Stone (Incl Bond Stones)             |      | Cu.m |        |
|            | 2.80   | Cu.m | Surkhi Mortar (1:0.50:1.50)          |      | Cu.m |        |
|            | 10.60  | Nos  | Mason I Class                        |      | Nos  |        |
|            | 24.70  | Nos  | Mason II Class                       |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - I                 |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                |      | Nos  |        |
|            |  | LS   | Sundries                             |      |      |        |
|            |  |      | Rate for 10 Cu.m                     |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X |      |      |        |
|            |  |      | Rate for 1 Cu.m                      |      |      |        |
| <b>177</b> | <b>Coursed Rubble in Cement Mortar (1:2) First Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.         |      |                                      |      |      |        |
|            | 11.00  | Cu.m | Stone (Incl Bond Stones)             |      | Cu.m |        |
|            | 2.80   | Cu.m | Cement Mortar(1:2)                   |      | Cu.m |        |
|            | 10.60  | Nos  | Mason I Class                        |      | Nos  |        |
|            | 24.70  | Nos  | Mason II Class                       |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - I                 |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                |      | Nos  |        |
|            |  | LS   | Sundries                             |      |      |        |
|            |  |      | Rate for 10 Cu.m                     |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X |      |      |        |

| Sl. No.    | Qty.  | Unit | Description  | Rate | Per  | Amount |
|------------|---|------|--|------|------|--------|
|            |   |      | Rate for 1 Cu.m                                    |      |      |        |
| <b>178</b> | <b>Coursed Rubble in Cement Mortar (1:5) First Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.          |      |  |      |      |        |
|            | 11.00   | Cu.m | Stone (Incl Bond Stones)                           |      | Cu.m |        |
|            | 2.80  | Cu.m | Cement Mortar(1:5)                                 |      | Cu.m |        |
|            | 10.60   | Nos  | Mason I Class                                      |      | Nos  |        |
|            | 24.70   | Nos  | Mason II Class                                     |      | Nos  |        |
|            | 14.10   | Nos  | Mazdoor Category - I                               |      | Nos  |        |
|            | 14.10   | Nos  | Mazdoor Category - II                              |      | Nos  |        |
|            |   | LS   | Sundries   |      |      |        |
|            |   |      | Rate for 10 Cu.m                                   |      |      |        |
|            |   |      | Sub Total for 1 Cu.m (X)                           |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X               |      |      |        |
|            |   |      | Rate for 1 Cu.m                                    |      |      |        |
| <b>179</b> | <b>Coursed Rubble in Lime Mortar Second Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.                 |      |  |      |      |        |
|            | *6.00   | Cu.m | Coursed Rubble Stone Incl Bond Stones (See Note 6) |      | Cu.m |        |
|            | *5.00   | Cu.m | Rough Stone (See Note 6)                           |      | Cu.m |        |
|            | 3.20  | Cu.m | Lime Mortar  |      | Cu.m |        |
|            | 7.10  | Nos  | Mason I Class                                      |      | Nos  |        |
|            | 17.60   | Nos  | Mason II Class                                     |      | Nos  |        |
|            | 14.10   | Nos  | Mazdoor Category - II                              |      | Nos  |        |
|            |   | LS   | Sundries   |      |      |        |
|            |   |      | Rate for 10 Cu.m                                   |      |      |        |
|            |   |      | Sub Total for 1 Cu.m (X)                           |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X               |      |      |        |
|            |   |      | Rate for 1 Cu.m                                    |      |      |        |
| <b>180</b> | <b>Coursed Rubble in Surkhi Mortar (1:0.50:1.50) Second Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |  |      |      |        |
|            | *6.00   | Cu.m | Coursed Rubble Stone Incl Bond Stones (See Note 6) |      | Cu.m |        |
|            | *5.00   | Cu.m | Rough Stone (See Note 6)                           |      | Cu.m |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per  | Amount |
|------------|--|------|--|------|------|--------|
|            | 3.20   | Cu.m | Surkhi Mortar (1:0.50:1.50)                        |      | Cu.m |        |
|            | 7.10   | Nos  | Mason I Class                                      |      | Nos  |        |
|            | 17.60  | Nos  | Mason II Class                                     |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                              |      | Nos  |        |
|            |  | LS   | Sundries   |      |      |        |
|            |  |      | Rate for 10 Cu.m                                   |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)                           |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X               |      |      |        |
|            |  |      | Rate for 1 Cu.m                                    |      |      |        |
| <b>181</b> | <b>Coursed Rubble in Cement Mortar(1:2) Second Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |  |      |      |        |
|            | *6.00  | Cu.m | Coursed Rubble Stone Incl Bond Stones (See Note 6) |      | Cu.m |        |
|            | *5.00  | Cu.m | Rough Stone (See Note 6)                           |      | Cu.m |        |
|            | 3.20   | Cu.m | Cement Mortar(1:2)                                 |      | Cu.m |        |
|            | 7.10   | Nos  | Mason I Class                                      |      | Nos  |        |
|            | 17.60  | Nos  | Mason II Class                                     |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                              |      | Nos  |        |
|            |  | LS   | Sundries   |      |      |        |
|            |  |      | Rate for 10 Cu.m                                   |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)                           |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X               |      |      |        |
|            |  |      | Rate for 1 Cu.m                                    |      |      |        |
| <b>182</b> | <b>Coursed Rubble in Cement Mortar(1:5) Second Sort</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |  |      |      |        |
|            | *6.00  | Cu.m | Coursed Rubble Stone Incl Bond Stones(see note 6)  |      | Cu.m |        |
|            | *5.00  | Cu.m | Rough Stone (See Note 6)                           |      | Cu.m |        |
|            | 3.20   | Cu.m | Cement Mortar(1:5)                                 |      | Cu.m |        |
|            | 7.10   | Nos  | Mason I Class                                      |      | Nos  |        |
|            | 17.60  | Nos  | Mason II Class                                     |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                              |      | Nos  |        |

| Sl. No.    | Qty.   | Unit  | Description                          | Rate | Per  | Amount |
|------------|--|---|--------------------------------------|------|------|--------|
|            |  | LS  | Sundries                             |      |      |        |
|            |  |   | Rate for 10 Cu.m                     |      |      |        |
|            |  |   | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |   | Add water charges @1% of Sub Total X |      |      |        |
|            |  |   | Rate for 1 Cu.m                      |      |      |        |
|            |  | Note 6: * The proportion will vary for various classes of Stone and work - vide standard specification. |                                      |      |      |        |
| <b>183</b> | <b>Random Rubble in Lime Mortar</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.                 |   |                                      |      |      |        |
|            | 10.00  | Cu.m  | Rough Stone                          |      | Cu.m |        |
|            | 1.00   | Cu.m  | Bond Stone                           |      | Cu.m |        |
|            | 3.40   | Cu.m  | Lime Mortar                          |      | Cu.m |        |
|            | 7.10   | Nos   | Mason I Class                        |      | Nos  |        |
|            | 10.60  | Nos   | Mason II Class                       |      | Nos  |        |
|            | 14.10  | Nos   | Mazdoor Category - I                 |      | Nos  |        |
|            | 14.10  | Nos   | Mazdoor Category - II                |      | Nos  |        |
|            |  | LS  | Sundries                             |      |      |        |
|            |  |   | Rate for 10 Cu.m                     |      |      |        |
|            |  |   | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |   | Add water charges @1% of Sub Total X |      |      |        |
|            |  |   | Rate for 1 Cu.m                      |      |      |        |
| <b>184</b> | <b>Random Rubble in Surkhi Mortar (1:0.50:1.50)</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |   |                                      |      |      |        |
|            | 10.00  | Cu.m  | Rough Stone                          |      | Cu.m |        |
|            | 1.00   | Cu.m  | Bond Stone                           |      | Cu.m |        |
|            | 3.40   | Cu.m  | Surkhi Mortar (1:0.50:1.50)          |      | Cu.m |        |
|            | 7.10   | Nos   | Mason I Class                        |      | Nos  |        |
|            | 10.60  | Nos   | Mason II Class                       |      | Nos  |        |
|            | 14.10  | Nos   | Mazdoor Category - I                 |      | Nos  |        |
|            | 14.10  | Nos   | Mazdoor Category - II                |      | Nos  |        |
|            |  | LS  | Sundries                             |      |      |        |

| Sl. No.    | Qty.   | Unit | Description                          | Rate | Per  | Amount |
|------------|--|------|--------------------------------------|------|------|--------|
|            |  |      | Rate for 10 Cu.m                     |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X |      |      |        |
|            |  |      | Rate for 1 Cu.m                      |      |      |        |
| <b>185</b> | <b>Random Rubble in Cement Mortar (1:3)</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |                                      |      |      |        |
|            | 10.00  | Cu.m | Rough Stone                          |      | Cu.m |        |
|            | 1.00   | Cu.m | Bond Stone                           |      | Cu.m |        |
|            | 3.40   | Cu.m | Cement Mortar (1:3)                  |      | Cu.m |        |
|            | 7.10   | Nos  | Mason I Class                        |      | Nos  |        |
|            | 10.60  | Nos  | Mason II Class                       |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - I                 |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                |      | Nos  |        |
|            |  | LS   | Sundries                             |      |      |        |
|            |  |      | Rate for 10 Cu.m                     |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X |      |      |        |
|            |  |      | Rate for 1 Cu.m                      |      |      |        |
| <b>186</b> | <b>Random Rubble in Cement Mortar (1:6)</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |                                      |      |      |        |
|            | 10.00  | Cu.m | Rough Stone                          |      | Cu.m |        |
|            | 1.00   | Cu.m | Bond Stone                           |      | Cu.m |        |
|            | 3.40   | Cu.m | Cement Mortar (1:6)                  |      | Cu.m |        |
|            | 7.10   | Nos  | Mason I Class                        |      | Nos  |        |
|            | 10.60  | Nos  | Mason II Class                       |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - I                 |      | Nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                |      | Nos  |        |
|            |  | LS   | Sundries                             |      |      |        |
|            |  |      | Rate for 10 Cu.m                     |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)             |      |      |        |

| Sl. No.    | Qty.  | Unit | Description                                | Rate | Per  | Amount |
|------------|---|------|--|------|------|--------|
|            |   |      | Add water charges @1% of Sub Total X       |      |      |        |
|            |   |      | Rate for 1 Cu.m                            |      |      |        |
| <b>187</b> | <b>Random Rubble in Clay</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.   |      |  |      |      |        |
|            | 10.00   | Cu.m | Rough Stone                                |      | Cu.m |        |
|            | 1.00  | Cu.m | Bond Stone                                 |      | Cu.m |        |
|            | 4.00  | Cu.m | Clay                                       |      | Cu.m |        |
|            | 3.50  | Nos  | Mason I Class                              |      | Nos  |        |
|            | 10.60   | Nos  | Mason II Class                             |      | Nos  |        |
|            | 10.60   | Nos  | Mazdoor Category - I                       |      | Nos  |        |
|            | 10.60   | Nos  | Mazdoor Category - II                      |      | Nos  |        |
|            |   | LS   | Sundries                                   |      |      |        |
|            |   |      | Rate for 10 Cu.m                           |      |      |        |
|            |   |      | Sub Total for 1 Cu.m (X)                   |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X       |      |      |        |
|            |   |      | Rate for 1 Cu.m                            |      |      |        |
| <b>188</b> | <b>Dry Stone Masonry for Retaining Walls</b> etc., Complete complying with standard specification and as directed by the Departmental Officers.                                 |      |  |      |      |        |
|            | 12.00   | Cu.m | Rough Stone (Inclusive of selected header) |      | Cu.m |        |
|            | 3.50  | Nos  | Mason I Class                              |      | Nos  |        |
|            | 7.10  | Nos  | Mason II Class                             |      | Nos  |        |
|            | 7.10  | Nos  | Mazdoor Category - I                       |      | Nos  |        |
|            | 3.50  | Nos  | Mazdoor Category - II                      |      | Nos  |        |
|            |   | LS   | Sundries                                   |      |      |        |
|            |   |      | Rate for 10 Cu.m                           |      |      |        |
|            |   |      | Sub Total for 1 Cu.m (X)                   |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X       |      |      |        |
|            |   |      | Rate for 1 Cu.m                            |      |      |        |
| <b>189</b> | <b>Damp Proof Course in Cement Mortar(1:3) 20mm Thick using 5% Crude Oil</b> etc., Complete complying with standard specification and as directed by the Departmental Officers. |      |  |      |      |        |

| Sl. No.    | Qty.   | Unit | Description                          | Rate | Per  | Amount |
|------------|--|------|--------------------------------------|------|------|--------|
|            | 0.21   | Cu.m | Cement Mortar(1:3)                   |      | Cu.m |        |
|            | 1.10   | Nos  | Mason I Class                        |      | Nos  |        |
|            | 1.10   | Nos  | Mason II Class                       |      | Nos  |        |
|            | 2.20   | Nos  | Mazdoor Category - I                 |      | Nos  |        |
|            | 1.10   | Nos  | Mazdoor Category - II                |      | Nos  |        |
|            | 5.00   | Kg   | Crude Oil                            |      | Kg   |        |
|            |  | LS   | Sundries                             |      |      |        |
|            |  |      | Rate for 10 Sq.m                     |      |      |        |
|            |  |      | Sub Total for 1 Sq.m (X)             |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X |      |      |        |
|            |  |      | Rate for 1 Sq.m.                     |      |      |        |
| <b>190</b> | <b>R.R.Masonry in Cement mortar 1 : 5</b> for Foundation and Basement (New stone) including simultaneously pointing above ground level with the same mortar, Cost of Mortar Plasticizer used etc.,complete complying with standard specification and as directed by the Departmental Officers. |      |                                      |      |      |        |
|            | 10.00  | Cu.m | Rough Stone                          |      | cu.m |        |
|            | 1.00   | Cu.m | Bond Stone                           |      | cu.m |        |
|            | 3.40   | Cu.m | Cement Mortar 1 : 5                  |      | cu.m |        |
|            | 7.10   | Nos  | Mason I Class                        |      | nos  |        |
|            | 10.60  | Nos  | Mason II Class                       |      | nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - I                 |      | nos  |        |
|            | 14.10  | Nos  | Mazdoor Category - II                |      | nos  |        |
|            |  |      | Rate for 10 Cu.m                     |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)             |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X |      |      |        |
|            |  |      | Rate for 1 Cu.m                      |      |      |        |
| <b>191</b> | <b>C.R Masonry in cement mortar1:5</b> for foundation and basement including simultaneously pointing above ground level with the same mortar, Cost of Mortar Plasticizer used etc.,complete complying with standard specification and as directed by the Departmental Officers.                |      |                                      |      |      |        |
|            | 10.00  | m3   | Rough stone for masonry              |      | cu.m |        |

| <b>Sl. No.</b> | <b>Qty.</b> | <b>Unit</b> | <b>Description</b>                   | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|----------------|-------------|-------------|--------------------------------------|-------------|------------|---------------|
|                | 1.00        | m3          | Bond stone                           |             | cu.m       |               |
|                | 2.80        | m3          | Cement Mortar 1:5                    |             | cu.m       |               |
|                | 10.60       | nos         | Mason I Class                        |             | nos        |               |
|                | 24.70       | nos         | Mason II Class                       |             | nos        |               |
|                | 14.10       | nos         | Mazdoor Category - I                 |             | nos        |               |
|                | 14.10       | nos         | Mazdoor Category - II                |             | nos        |               |
|                |             |             | Rate for 10 Cu.m                     |             |            |               |
|                |             |             | Sub Total for 1 Cu.m (X)             |             |            |               |
|                |             |             | Add water charges @1% of Sub Total X |             |            |               |
|                |             |             | Rate for 1 Cu.m                      |             |            |               |

## BRICK MASONRY

| Sl. No.    | Qty.  | Unit | Description   | Rate | Per       | Amount |
|------------|---|------|---|------|-----------|--------|
| <b>192</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |   |      |           |        |
| <b>a</b>   |   |      | <b>In Cement Mortar 1:6</b>   |      |           |        |
|            | 1160.00   | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.623   | Cu.m | Cement mortar 1:6   |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 3.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 6.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m   |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |
| <b>b</b>   |   |      | <b>In Cement Mortar 1:5</b>   |      |           |        |
|            | 1160.00   | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.623   | Cu.m | Cement mortar 1:5   |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 3.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 6.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168Cu.m  |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |
| <b>c</b>   |   |      | <b>In Cement Mortar 1:3</b>   |      |           |        |
|            | 1160.00   | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5 |      | 1000 Nos. |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per       | Amount |
|------------|--|------|--|------|-----------|--------|
|            | 0.623  | cu.m | Cement mortar 1:3  |      | cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>193</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc.,complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally.other type of bond shall be done as directed by the Executive Engineer in charge. |      |  |      |           |        |
| <b>a</b>   |  |      | <b>In Cement Mortar 1:6</b>  |      |           |        |
|            | 1160.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10 |      | 1000 Nos. |        |
|            | 0.623  | Cu.m | Cement mortar 1:6  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>b</b>   |  |      | <b>In Cement Mortar 1:5</b>  |      |           |        |
|            | 1160.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10 |      | 1000 Nos. |        |
|            | 0.623  | Cu.m | Cement mortar 1:5  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per       | Amount |
|------------|--|------|--|------|-----------|--------|
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168Cu.m   |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>c</b>   |  |      | <b>In Cement Mortar 1:3</b>  |      |           |        |
|            | 1160.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10   |      | 1000 Nos. |        |
|            | 0.623  | cu.m | Cement mortar 1:3  |      | cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>194</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc.,complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally.other type of bond shall be done as directed by the Executive Engineer in charge. |      |  |      |           |        |
| <b>a</b>   |  |      | <b>In Cement Mortar 1:6</b>  |      |           |        |
|            | 1160.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5 |      | 1000 Nos. |        |
|            | 0.623  | Cu.m | Cement mortar 1:6  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |

| Sl. No.    | Qty.  | Unit | Description  | Rate | Per       | Amount |
|------------|---|------|--|------|-----------|--------|
|            |   |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |   |      | Rate for 1 Cu.m  |      |           |        |
| <b>b</b>   |   |      | <b>In Cement Mortar 1:5</b>  |      |           |        |
|            | 1160.00   | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5 |      | 1000 Nos. |        |
|            | 0.623   | Cu.m | Cement mortar 1:5  |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00  | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00  | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168Cu.m   |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |   |      | Rate for 1 Cu.m  |      |           |        |
| <b>c</b>   |   |      | <b>In Cement Mortar 1:3</b>  |      |           |        |
|            | 1160.00   | Nos. | Cost of Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5 |      | 1000 Nos. |        |
|            | 0.623   | cu.m | Cement mortar 1:3  |      | cu.m      |        |
|            | 1.00  | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00  | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00  | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |   |      | Rate for 1 Cu.m  |      |           |        |
| <b>195</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc.,complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally.other type of bond shall be done as directed by the Executive Engineer in charge. |      |  |      |           |        |

| Sl. No.  | Qty.    | Unit | Description   | Rate | Per       | Amount |
|----------|---------|------|---|------|-----------|--------|
| <b>a</b> |         |      | <b>In Cement Mortar 1:6</b>   |      |           |        |
|          | 1300.00 | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5 |      | 1000 Nos. |        |
|          | 0.708   | Cu.m | Cement mortar 1:6   |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class   |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class  |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I  |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II   |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m   |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X  |      |           |        |
|          |         |      | Rate for 1 Cu.m   |      |           |        |
| <b>b</b> |         |      | <b>In Cement Mortar 1:5</b>   |      |           |        |
|          | 1300.00 | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5 |      | 1000 Nos. |        |
|          | 0.708   | Cu.m | Cement mortar 1:5   |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class   |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class  |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I  |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II   |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168Cu.m  |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X  |      |           |        |
|          |         |      | Rate for 1 Cu.m   |      |           |        |
| <b>c</b> |         |      | <b>In Cement Mortar 1:3</b>   |      |           |        |
|          | 1300.00 | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5 |      | 1000 Nos. |        |
|          | 0.708   | cu.m | Cement mortar 1:3   |      | cu.m      |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per       | Amount |
|------------|--|------|--|------|-----------|--------|
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>196</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |  |      |           |        |
| <b>a</b>   |  |      | <b>In Cement Mortar 1:6</b>  |      |           |        |
|            | 1300.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10 |      | 1000 Nos. |        |
|            | 0.708  | Cu.m | Cement mortar 1:6  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>b</b>   |  |      | <b>In Cement Mortar 1:5</b>  |      |           |        |
|            | 1300.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10 |      | 1000 Nos. |        |
|            | 0.708  | Cu.m | Cement mortar 1:5  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per       | Amount |
|------------|--|------|--|------|-----------|--------|
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168Cu.m   |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>c</b>   |  |      | <b>In Cement Mortar 1:3</b>  |      |           |        |
|            | 1300.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10   |      | 1000 Nos. |        |
|            | 0.708  | cu.m | Cement mortar 1:3  |      | cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>197</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |  |      |           |        |
| <b>a</b>   |  |      | <b>In Cement Mortar 1:6</b>  |      |           |        |
|            | 1300.00  | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5 |      | 1000 Nos. |        |
|            | 0.708  | Cu.m | Cement mortar 1:6  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |

| Sl. No.  | Qty.    | Unit | Description  | Rate | Per       | Amount |
|----------|---------|------|--|------|-----------|--------|
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|          |         |      | Sub Total for 1 Cu.m   |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X   |      |           |        |
|          |         |      | Rate for 1 Cu.m  |      |           |        |
| <b>b</b> |         |      | <b>In Cement Mortar 1:5</b>  |      |           |        |
|          | 1300.00 | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5 |      | 1000 Nos. |        |
|          | 0.708   | Cu.m | Cement mortar 1:5  |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class  |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class   |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I   |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II  |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168Cu.m   |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X   |      |           |        |
|          |         |      | Rate for 1 Cu.m  |      |           |        |
| <b>c</b> |         |      | <b>In Cement Mortar 1:3</b>  |      |           |        |
|          | 1300.00 | Nos. | Cost of Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5 |      | 1000 Nos. |        |
|          | 0.708   | cu.m | Cement mortar 1:3  |      | cu.m      |        |
|          | 1.00    | Nos. | Mason I Class  |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class   |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I   |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II  |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m  |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X   |      |           |        |
|          |         |      | Rate for 1 Cu.m  |      |           |        |
|          |         |      |  |      |           |        |

| Sl. No.    | Qty.  | Unit | Description   | Rate | Per       | Amount |
|------------|---|------|---|------|-----------|--------|
| <b>198</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 3/4" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |   |      |           |        |
| <b>a</b>   |   |      | <b>In Cement Mortar 1:6</b>   |      |           |        |
|            | 1300.00   | Nos. | Cost of Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 3/4" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.708   | Cu.m | Cement mortar 1:6   |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 2.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 4.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m   |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |
| <b>b</b>   |   |      | <b>In Cement Mortar 1:5</b>   |      |           |        |
|            | 1300.00   | Nos. | Cost of Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 3/4" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.708   | Cu.m | Cement mortar 1:5   |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 2.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 4.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168Cu.m  |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |

| Sl. No.    | Qty.  | Unit | Description   | Rate | Per       | Amount |
|------------|---|------|---|------|-----------|--------|
| <b>c</b>   |   |      | <b>In Cement Mortar 1:3</b>   |      |           |        |
|            | 1300.00   | Nos. | Cost of Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 3/4" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.708   | cu.m | Cement mortar 1:3   |      | cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 2.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 4.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m   |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |
|            |   |      |   |      |           |        |
| <b>199</b> | Brick work in following Cement Mortar using best quality <b>Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 1/4" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer curing, etc.,complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally.other type of bond shall be done as directed by the Executive Engineer in charge. |      |   |      |           |        |
| <b>a</b>   |   |      | <b>In Cement Mortar 1:6</b>   |      |           |        |
|            | 1700.00   | Nos. | Cost of Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 1/4" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.793   | Cu.m | Cement mortar 1:6   |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 2.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 4.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m   |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |
|            |   |      |   |      |           |        |

| Sl. No.    | Qty.  | Unit | Description   | Rate | Per       | Amount |
|------------|---|------|---|------|-----------|--------|
| <b>b</b>   |   |      | <b>In Cement Mortar 1:5</b>   |      |           |        |
|            | 1700.00   | Nos. | Cost of Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 1/4" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.793   | Cu.m | Cement mortar 1:5   |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 2.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 4.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168Cu.m  |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |
| <b>c</b>   |   |      | <b>In Cement Mortar 1:3</b>   |      |           |        |
|            | 1700.00   | Nos. | Cost of Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 1/4" with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.793   | cu.m | Cement mortar 1:3   |      | cu.m      |        |
|            | 1.00  | Nos. | Mason I Class   |      | Each      |        |
|            | 2.00  | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 4.00  | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m   |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X  |      |           |        |
|            |   |      | Rate for 1 Cu.m   |      |           |        |
| <b>200</b> | Brick work in following Cement Mortar using best quality <b>Fly ash Brick of size 230x110x75mm with class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |   |      |           |        |

| Sl. No.  | Qty.    | Unit | Description  | Rate | Per       | Amount |
|----------|---------|------|--|------|-----------|--------|
| <b>a</b> |         |      | <b>In Cement Mortar 1:6</b>  |      |           |        |
|          | 1220.00 | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 7.5 |      | 1000 Nos. |        |
|          | 0.664   | Cu.m | Cement mortar 1:6  |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class  |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class   |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I   |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II  |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m                                      |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X                                     |      |           |        |
|          |         |      | Rate for 1 Cu.m  |      |           |        |
| <b>b</b> |         |      | <b>In Cement Mortar 1:5</b>  |      |           |        |
|          | 1220.00 | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 7.5 |      | 1000 Nos. |        |
|          | 0.664   | Cu.m | Cement mortar 1:5  |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class  |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class   |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I   |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II  |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m                                      |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X                                     |      |           |        |
|          |         |      | Rate for 1 Cu.m  |      |           |        |
| <b>c</b> |         |      | <b>In Cement Mortar 1:3</b>  |      |           |        |
|          | 1220.00 | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 7.5 |      | 1000 Nos. |        |
|          | 0.664   | Cu.m | Cement mortar 1:3  |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class  |      | Each      |        |

| Sl. No.    | Qty.   | Unit | Description   | Rate | Per       | Amount |
|------------|--|------|---|------|-----------|--------|
|            | 3.00   | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |  |      | Total For 100 Cft (Or) 2.83168 Cu.m                                     |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X                                    |      |           |        |
|            |  |      | Rate for 1 Cu.m   |      |           |        |
| <b>201</b> | Brick work in following Cement Mortar using best quality <b>Fly ash Brick of size 230x110x75mm with class designation of 10</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |   |      |           |        |
| <b>a</b>   |  |      | <b>In Cement Mortar 1:6</b>   |      |           |        |
|            | 1220.00  | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 10 |      | 1000 Nos. |        |
|            | 0.664  | Cu.m | Cement mortar 1:6   |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class   |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m                                     |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X                                    |      |           |        |
|            |  |      | Rate for 1 Cu.m   |      |           |        |
| <b>b</b>   |  |      | <b>In Cement Mortar 1:5</b>   |      |           |        |
|            | 1220.00  | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 10 |      | 1000 Nos. |        |
|            | 0.664  | Cu.m | Cement mortar 1:5   |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class   |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I  |      | Each      |        |

| Sl. No.    | Qty.   | Unit | Description   | Rate | Per       | Amount |
|------------|--|------|---|------|-----------|--------|
|            | 6.00   | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m                                       |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X                                      |      |           |        |
|            |  |      | Rate for 1 Cu.m   |      |           |        |
| <b>c</b>   |  |      | <b>In Cement Mortar 1:3</b>   |      |           |        |
|            | 1220.00  | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 10   |      | 1000 Nos. |        |
|            | 0.664  | Cu.m | Cement mortar 1:3   |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class   |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |  |      | Total For 100 Cft (Or) 2.83168 Cu.m                                       |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X                                      |      |           |        |
|            |  |      | Rate for 1 Cu.m   |      |           |        |
| <b>202</b> | Brick work in following Cement Mortar using best quality <b>Fly ash Brick of size 230x110x75mm with class designation of 12.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |   |      |           |        |
| <b>a</b>   |  |      | <b>In Cement Mortar 1:6</b>   |      |           |        |
|            | 1220.00  | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 12.5 |      | 1000 Nos. |        |
|            | 0.664  | Cu.m | Cement mortar 1:6   |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class   |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class  |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I  |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II   |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m                                       |      |           |        |

| Sl. No.  | Qty.    | Unit | Description   | Rate | Per       | Amount |
|----------|---------|------|---|------|-----------|--------|
|          |         |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X                                      |      |           |        |
|          |         |      | Rate for 1 Cu.m   |      |           |        |
| <b>b</b> |         |      | <b>In Cement Mortar 1:5</b>   |      |           |        |
|          | 1220.00 | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 12.5 |      | 1000 Nos. |        |
|          | 0.664   | Cu.m | Cement mortar 1:5   |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class   |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class  |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I  |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II   |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m                                       |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X                                      |      |           |        |
|          |         |      | Rate for 1 Cu.m   |      |           |        |
| <b>c</b> |         |      | <b>In Cement Mortar 1:3</b>   |      |           |        |
|          | 1220.00 | Nos. | Cost of Fly ash Brick of size 230x110x75mm with class designation of 12.5 |      | 1000 Nos. |        |
|          | 0.664   | Cu.m | Cement mortar 1:3   |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class   |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class  |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I  |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II   |      | Each      |        |
|          |         |      | Total For 100 Cft (Or) 2.83168 Cu.m                                       |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X                                      |      |           |        |
|          |         |      | Rate for 1 Cu.m   |      |           |        |

| Sl. No.    | Qty.  | Unit | Description  | Rate | Per       | Amount |
|------------|---|------|--|------|-----------|--------|
| <b>203</b> | Brick work in following Cement Mortar using best quality <b>Fly ash Brick of size 230x110x70mm with class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |  |      |           |        |
| <b>a</b>   |   |      | <b>In Cement Mortar 1:6</b>  |      |           |        |
|            | 1300.00   | Nos. | Cost of Fly ash Brick of size 230x110x70mm with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.708   | Cu.m | Cement mortar 1:6  |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00  | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00  | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m                                      |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X                                     |      |           |        |
|            |   |      | Rate for 1 Cu.m  |      |           |        |
| <b>b</b>   |   |      | <b>In Cement Mortar 1:5</b>  |      |           |        |
|            | 1300.00   | Nos. | Cost of Fly ash Brick of size 230x110x70mmwith class designation of 7.5  |      | 1000 Nos. |        |
|            | 0.708   | Cu.m | Cement mortar 1:5  |      | Cu.m      |        |
|            | 1.00  | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00  | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00  | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00  | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |   |      | Total for 100 cft (or) 2.83168 Cu.m                                      |      |           |        |
|            |   |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |   |      | Add water charges @1% of Sub Total X                                     |      |           |        |
|            |   |      | Rate for 1 Cu.m  |      |           |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per       | Amount |
|------------|--|------|--|------|-----------|--------|
| <b>c</b>   |  |      | <b>In Cement Mortar 1:3</b>  |      |           |        |
|            | 1300.00  | Nos. | Cost of Fly ash Brick of size 230x110x70mm with class designation of 7.5 |      | 1000 Nos. |        |
|            | 0.708  | Cu.m | Cement mortar 1:3  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total For 100 Cft (Or) 2.83168 Cu.m                                      |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X                                     |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |
| <b>204</b> | Brick work in following Cement Mortar using best quality <b>Fly ash Brick of size 230x110x70mm with class designation of 10</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |      |  |      |           |        |
| <b>a</b>   |  |      | <b>In Cement Mortar 1:6</b>  |      |           |        |
|            | 1300.00  | Nos. | Cost of Fly ash Brick of size 230x110x70mm with class designation of 10  |      | 1000 Nos. |        |
|            | 0.708  | Cu.m | Cement mortar 1:6  |      | Cu.m      |        |
|            | 1.00   | Nos. | Mason I Class  |      | Each      |        |
|            | 3.00   | Nos. | Mason II Class   |      | Each      |        |
|            | 2.00   | Nos. | Mazdoor Category - I   |      | Each      |        |
|            | 6.00   | Nos. | Mazdoor Category - II  |      | Each      |        |
|            |  |      | Total for 100 cft (or) 2.83168 Cu.m                                      |      |           |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |           |        |
|            |  |      | Add water charges @1% of Sub Total X                                     |      |           |        |
|            |  |      | Rate for 1 Cu.m  |      |           |        |

| Sl. No.    | Qty.   | Unit                                | Description   | Rate | Per       | Amount |
|------------|--|-------------------------------------|---|------|-----------|--------|
| <b>b</b>   |  |                                     | <b>In Cement Mortar 1:5</b>   |      |           |        |
|            | 1300.00  | Nos.                                | Cost of Fly ash Brick of size 230x110x70mm with class designation of 10   |      | 1000 Nos. |        |
|            | 0.708  | Cu.m                                | Cement mortar 1:5   |      | Cu.m      |        |
|            | 1.00   | Nos.                                | Mason I Class   |      | Each      |        |
|            | 3.00   | Nos.                                | Mason II Class  |      | Each      |        |
|            | 2.00   | Nos.                                | Mazdoor Category - I  |      | Each      |        |
|            | 6.00   | Nos.                                | Mazdoor Category - II   |      | Each      |        |
|            |  | Total for 100 cft (or) 2.83168 Cu.m |   |      |           |        |
|            |  |                                     | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |  |                                     | Add water charges @1% of Sub Total X                                      |      |           |        |
|            |  |                                     | Rate for 1 Cu.m   |      |           |        |
| <b>c</b>   |  |                                     | <b>In Cement Mortar 1:3</b>   |      |           |        |
|            | 1300.00  | Nos.                                | Cost of Fly ash Brick of size 230x110x70mm with class designation of 10   |      | 1000 Nos. |        |
|            | 0.708  | Cu.m                                | Cement mortar 1:3   |      | Cu.m      |        |
|            | 1.00   | Nos.                                | Mason I Class   |      | Each      |        |
|            | 3.00   | Nos.                                | Mason II Class  |      | Each      |        |
|            | 2.00   | Nos.                                | Mazdoor Category - I  |      | Each      |        |
|            | 6.00   | Nos.                                | Mazdoor Category - II   |      | Each      |        |
|            |  | Total For 100 Cft (Or) 2.83168 Cu.m |   |      |           |        |
|            |  |                                     | Sub Total for 1 Cu.m (X)  |      |           |        |
|            |  |                                     | Add water charges @1% of Sub Total X                                      |      |           |        |
|            |  |                                     | Rate for 1 Cu.m   |      |           |        |
| <b>205</b> | Brick work in following Cement Mortar using best quality <b>Fly ash Brick of size 230x110x70mm with class designation of 12.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. Brickwork shall be done as per IS 2212-1991 adopting English Bond generally. other type of bond shall be done as directed by the Executive Engineer in charge. |                                     |   |      |           |        |
| <b>a</b>   |  |                                     | <b>In Cement Mortar 1:6</b>   |      |           |        |
|            | 1300.00  | Nos.                                | Cost of Fly ash Brick of size 230x110x70mm with class designation of 12.5 |      | 1000 Nos. |        |

| Sl. No.  | Qty.    | Unit | Description   | Rate | Per       | Amount |
|----------|---------|------|---|------|-----------|--------|
|          | 0.708   | Cu.m | Cement mortar 1:6   |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class   |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class  |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I  |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II   |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m                                       |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X                                      |      |           |        |
|          |         |      | Rate for 1 Cu.m   |      |           |        |
| <b>b</b> |         |      | <b>In Cement Mortar 1:5</b>   |      |           |        |
|          | 1300.00 | Nos. | Cost of Fly ash Brick of size 230x110x70mm with class designation of 12.5 |      | 1000 Nos. |        |
|          | 0.708   | Cu.m | Cement mortar 1:5   |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class   |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class  |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I  |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II   |      | Each      |        |
|          |         |      | Total for 100 cft (or) 2.83168 Cu.m                                       |      |           |        |
|          |         |      | Sub Total for 1 Cu.m (X)  |      |           |        |
|          |         |      | Add water charges @1% of Sub Total X                                      |      |           |        |
|          |         |      | Rate for 1 Cu.m   |      |           |        |
| <b>c</b> |         |      | <b>In Cement Mortar 1:3</b>   |      |           |        |
|          | 1300.00 | Nos. | Cost of Fly ash Brick of size 230x110x70mm with class designation of 12.5 |      | 1000 Nos. |        |
|          | 0.708   | Cu.m | Cement mortar 1:3   |      | Cu.m      |        |
|          | 1.00    | Nos. | Mason I Class   |      | Each      |        |
|          | 3.00    | Nos. | Mason II Class  |      | Each      |        |
|          | 2.00    | Nos. | Mazdoor Category - I  |      | Each      |        |
|          | 6.00    | Nos. | Mazdoor Category - II   |      | Each      |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per  | Amount |
|------------|--|------|--|------|------|--------|
|            |  |      | Total For 100 Cft (Or) 2.83168 Cu.m  |      |      |        |
|            |  |      | Sub Total for 1 Cu.m (X)   |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |  |      | Rate for 1 Cu.m  |      |      |        |
| <b>206</b> | Brick partition walls of 11.50cm thickness using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately) |      |  |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B /GF/FF/ SF and etc...</b>   |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5 in F&B/GF/FF/SF and etc...without water charges |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class  |      | Each |        |
|            |  |      | Total for 10 sq.m.   |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |  |      | Rate for 1 sq.m.   |      |      |        |
| <b>207</b> | Brick partition walls of 11.50cm thickness using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)  |      |  |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/FF/SF and etc...</b>   |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10 in F&B/GF/FF/SF and etc...without water charges  |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class  |      | Each |        |
|            |  |      | Total for 10 sq.m.   |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |  |      | Rate for 1 sq.m.   |      |      |        |

| Sl. No.    | Qty.   | Unit | Description  | Rate | Per  | Amount |
|------------|--|------|--|------|------|--------|
| <b>208</b> | Brick partition walls of 11.50cm thickness using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)    |      |  |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/ FF/SF and etc...</b>  |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5 in F&B/GF/ FF/ SF and etc...without water charges  |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class  |      | Each |        |
|            |  |      | Total for 10 sq.m.   |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |  |      | Rate for 1 sq.m.   |      |      |        |
| <b>209</b> | Brick partition walls of 11.50cm thickness using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately) |      |  |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/ GF /FF / SF and etc...</b>   |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5 in F&B/GF/FF/SF and etc...without water charges |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class  |      | Each |        |
|            |  |      | Total for 10 sq.m.   |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |  |      | Rate for 1 sq.m.   |      |      |        |
| <b>210</b> | Brick partition walls of 11.50cm thickness using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)  |      |  |      |      |        |

| Sl. No.    | Qty.   | Unit | Description   | Rate | Per  | Amount |
|------------|--|------|---|------|------|--------|
|            |  |      | <b>Brick Partition wall in F&amp;B/ GF/ FF/ SF and etc...</b>   |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10 in F&B/GF/FF/ SF and etc...without water charges      |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |
|            |  |      | Total for 10 sq.m.  |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)   |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|            |  |      | Rate for 1 sq.m.  |      |      |        |
| <b>211</b> | Brick partition walls of 11.50cm thickness using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)    |      |   |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/FF/SF and etc...</b>  |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5 in F&B/ GF/ FF/ SF and etc...without water charges  |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |
|            |  |      | Total for 10 sq.m.  |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)   |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|            |  |      | Rate for 1 sq.m.  |      |      |        |
| <b>212</b> | Brick partition walls of 10.80cm thickness using best quality <b>Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2-3/4" with class designation of 7.5</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately) |      |   |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/ GF/ FF/SF and etc...</b>  |      |      |        |
|            | 1.08   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2-3/4" with class designation of 7.5 in F&B/GF/FF/ SF and etc...without water charges |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |

| Sl. No.    | Qty.  | Unit | Description  | Rate | Per  | Amount |
|------------|---|------|--|------|------|--------|
|            |   |      | Total for 10 sq.m.   |      |      |        |
|            |   |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |   |      | Rate for 1 sq.m.   |      |      |        |
| <b>213</b> | Brick partition walls of 10.80cm thickness using best quality <b>Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2-1/4" with class designation of 7.5</b> conforming to IS 1077-1992 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)    |      |  |      |      |        |
|            |   |      | <b>Brick Partition wall in F&amp;B/GF/FF/SF and etc...</b>   |      |      |        |
|            | 1.08  | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2-1/4" with class designation of 7.5 in F&B/GF/FF/SF and etc...without water charges |      | Cu.m |        |
|            | 1.00  | No.  | Mason I Class  |      | Each |        |
|            |   |      | Total for 10 sq.m.   |      |      |        |
|            |   |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |   |      | Rate for 1 sq.m.   |      |      |        |
| <b>214</b> | Brick partition walls of 11.50cm thickness using best quality <b>Fly ash Brick of size 230x110x75mm with class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately) |      |  |      |      |        |
|            |   |      | <b>Brick Partition wall in F&amp;B/GF/FF/SF and etc...</b>   |      |      |        |
|            | 1.15  | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly ash Brick of size 230x110x75mm with class designation of 7.5 in F&B/ GF/ FF/ SF and etc... without water charges                         |      | Cu.m |        |
|            | 1.00  | No.  | Mason I Class  |      | Each |        |
|            |   |      | Total for 10 sq.m.   |      |      |        |
|            |   |      | Sub Total for 1 sq.m. (X)  |      |      |        |
|            |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|            |   |      | Rate for 1 sq.m.   |      |      |        |

| Sl. No.    | Qty.   | Unit | Description   | Rate | Per  | Amount |
|------------|--|------|---|------|------|--------|
|            |  |      |   |      |      |        |
| <b>215</b> | Brick partition walls of 11.50cm thickness using best quality <b>Fly ash Brick of size 230x110x75mm with class designation of 10</b> conforming to IS 13757-1993 or IS 12894-2002 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)   |      |   |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/ FF/ SF and etc...</b>  |      |      |        |
|            | 1.15   | Cu.m | Cost Brick work in Cement Mortar 1:3 using Fly ash Brick of size 230x110x75mm with class designation of 10 in F&B/ GF/ FF/ SF and etc... without water charges  |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |
|            |  |      | Total for 10 sq.m.  |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)   |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|            |  |      | Rate for 1 sq.m.  |      |      |        |
| <b>216</b> | Brick partition walls of 11.50cm thickness using best quality <b>Fly ash Brick of size 230x110x75mm with class designation of 12.5</b> conforming to IS 13757-1993 or IS 12894-2002 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately) |      |   |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/FF/SF and etc...</b>  |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly ash Brick of size 230x110x75mm with Class designation of 12.5 in F&B/GF/FF/SF and etc...without water charges |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |
|            |  |      | Total for 10 sq.m.  |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)   |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|            |  |      | Rate for 1 sq.m.  |      |      |        |
| <b>217</b> | Brick partition walls of 11.50cm thickness using best quality <b>Fly ash Brick of size 230x110x70mm with class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)  |      |   |      |      |        |

| Sl. No.    | Qty.   | Unit | Description   | Rate | Per  | Amount |
|------------|--|------|---|------|------|--------|
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/FF/SF and etc...</b>  |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly ash Brick of size 230x110x70mm with Class designation of 7.5 in F&B/GF/FF/SF and etc...without water charges    |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |
|            |  |      | Total for 10 sq.m.  |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)   |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|            |  |      | Rate for 1 sq.m.  |      |      |        |
| <b>218</b> | Brick partition walls of 11.50cm thickness using best quality <b>Fly ash Brick of size 230x110x70mm with class designation of 10</b> conforming to IS 13757-1993 or IS 12894-2002 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately)   |      |   |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/ FF/ SF and etc...</b>  |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly ash Brick of size 230x110x70mm with Class designation of 10 in F&B/GF/ FF/ SF and etc...without water charges   |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |
|            |  |      | Total for 10 sq.m.  |      |      |        |
|            |  |      | Sub Total for 1 sq.m. (X)   |      |      |        |
|            |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|            |  |      | Rate for 1 sq.m.  |      |      |        |
| <b>219</b> | Brick partition walls of 11.50cm thickness using best quality <b>Fly ash Brick of size 230x110x70mm with class designation of 12.5</b> conforming to IS 13757-1993 or IS 12894-2002 in Cement Mortar 1:3 (One Cement and Three CS Sand) using hoop iron reinforcement if found necessary including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers. (Hoop iron reinforcement will be measured and paid for separately) |      |   |      |      |        |
|            |  |      | <b>Brick Partition wall in F&amp;B/GF/ FF/ SF and etc...</b>  |      |      |        |
|            | 1.15   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly ash Brick of size 230x110x70mm with Class designation of 12.5 in F&B/GF/ FF/ SF and etc...without water charges |      | Cu.m |        |
|            | 1.00   | No.  | Mason I Class   |      | Each |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         |  |      | Total for 10 sq.m.  |      |      |        |
|         |  |      | Sub Total for 1 sq.m. (X)   |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 sq.m.  |      |      |        |
| 220     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5 in Foundation and Basement without water charges |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 221     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers.  |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 10 in Foundation and Basement without water charges  |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
| 222     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers.    |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 12.5 in Foundation and Basement without water charges    |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 223     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5 in Foundation and Basement without water charges |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 224     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers.  |      |   |      |      |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 10 in Foundation and Basement without water charges      |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 225     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers.    |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 12.5 in Foundation and Basement without water charges    |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 226     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2 3/4" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2 3/4" with class designation of 7.5 in Foundation and Basement without water charges |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 227     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality <b>Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2 1/4" with class designation of 7.5</b> conforming to IS 1077-1992 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers.     |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using best quality Burnt Clay Brick of size 8-3/4" x 4-1/4" x 2 1/4" with class designation of 7.5 in Foundation and Basement without water charges |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 228     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality Fly Ash Brick of size <b>230x110x75 mm with Class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly Ash Brick of size 230x110x75mm with Class designation of 7.5 in Foundation and Basement without water charges                             |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |

| Sl. No. | Qty. | Unit | Description   | Rate | Per  | Amount |
|---------|------|------|---|------|------|--------|
|         |      |      | Rate for 1 Cu.m   |      |      |        |
| 229     |      |      | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality Fly Ash Brick of size <b>230x110x75 mm with Class designation of 10</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc.,complete complying with standard specification and as directed by the departmental officers.  |      |      |        |
|         |      |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00 | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly Ash Brick of size 230x110x75mm with Class designation of 10 in Foundation and Basement without water charges  |      | Cu.m |        |
|         | 1.10 | Nos. | Mason II Class  |      | Each |        |
|         | 1.40 | Nos. | Mazdoor Category - II   |      | Each |        |
|         |      |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |      |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |      |      | Rate for 1 Cu.m   |      |      |        |
| 230     |      |      | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality Fly Ash Brick of size <b>230x110x75mm with Class designation of 12.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc.,complete complying with standard specification and as directed by the departmental officers. |      |      |        |
|         |      |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00 | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly Ash Brick of size 230x110x75mm with Class designation of 12.5 in Foundation and Basement without water charges  |      | Cu.m |        |
|         | 1.10 | Nos. | Mason II Class  |      | Each |        |
|         | 1.40 | Nos. | Mazdoor Category - II   |      | Each |        |
|         |      |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |      |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |      |      | Rate for 1 Cu.m   |      |      |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
| 231     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality Fly Ash Brick of size <b>230x110x70mm with Class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc.,complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly Ash Brick of size 230x110x70mm with Class designation of 7.5 in Foundation and Basement without water charges |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 232     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality Fly Ash Brick of size <b>230x110x70mm with Class designation of 10</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc.,complete complying with standard specification and as directed by the departmental officers.  |      |   |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3</b>   |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly Ash Brick of size 230x110x70mm with Class designation of 10 in Foundation and Basement without water charges  |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 233     | Brick Arch work ( Flat, Semi-Circular, Segmental) in Cement Mortar 1:3 using best quality Fly Ash Brick of size <b>230x110x70mm with Class designation of 12.5</b> conforming to IS 13757-1993 or IS 12894-2002 for foundation and basement including Cost of Mortar Plasticizer, curing, etc.,complete complying with standard specificationand as directed by the departmental officers. |      |   |      |      |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         |  |      | <b>In Cement Mortar 1:3</b>  |      |      |        |
|         | 1.00   | Cu.m | Cost of Brick work in Cement Mortar 1:3 using Fly Ash Brick of size 230x110x70mm with Class designation of 12.5 in Foundation and Basement without water charges |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class   |      | Each |        |
|         | 1.40   | Nos. | Mazdoor Category - II  |      | Each |        |
|         |  |      | Sub Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |
| 234     | Precast Concrete Block masonry using Autoclaved Cellular Aerated Concrete Block of size 600x200x100mm conforming to IS 2185 (Part 3) : 1984 with Self Curing AAC Joint Mortar for Partition Wall of non load bearing type in accordance with IS 6041:1985 including neat finishing, etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         | 82.00  | Nos. | Cost of Autoclaved Cellular Aerated Concrete Block of size 600x200x-100mm  |      | Nos. |        |
|         | 37.00  | Kg   | Self Curing AAC Joint Mortar   |      | Kg   |        |
|         | 2.00   | Nos. | Mason I Class  |      | Each |        |
|         | 1.00   | Nos. | Mazdoor Category - I   |      | Each |        |
|         | 2.00   | Nos. | Mazdoor Category - II  |      | Each |        |
|         |  |      | Total For 0.919 cu.m   |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)   |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |  |      | Rate for 1 Cu.m  |      |      |        |
| 235     | Precast Concrete Block masonry using Autoclaved Cellular Aerated Concrete Block of size 600x200x150mm conforming to IS 2185 (Part 3) : 1984 with Self Curing AAC Joint Mortar for Partition Wall of non load bearing type in accordance with IS 6041:1985 including neat finishing, etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         | 82.00  | Nos. | Cost of Autoclaved Cellular Aerated Concrete Block of size 600x200x-150mm  |      | Nos. |        |
|         | 55.50  | Kg   | Self Curing AAC Joint Mortar   |      | Kg   |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         | 2.00   | Nos. | Mason I Class   |      | Each |        |
|         | 1.00   | Nos. | Mazdoor Category - I  |      | Each |        |
|         | 2.00   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Total For 1.38 cu.m   |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                                      |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 236     | Precast Concrete Block masonry using Autoclaved Cellular Aerated Concrete Block of size 600x200x200mm conforming to IS 2185 (Part 3) : 1984 with Self Curing AAC Joint Mortar for Partition Wall of non load bearing type in accordance with IS 6041:1985 including neat finishing, etc., complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         | 82.00  | Nos. | Cost of Autoclaved Cellular Aerated Concrete Block of size 600x200x-200mm |      | Nos. |        |
|         | 74.00  | Kg   | Self Curing AAC Joint Mortar  |      | Kg   |        |
|         | 2.50   | Nos. | Mason I Class   |      | Each |        |
|         | 1.00   | Nos. | Mazdoor Category - I  |      | Each |        |
|         | 2.00   | Nos. | Mazdoor Category - II   |      | Each |        |
|         |  |      | Total For 1.84 cu.m   |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                                      |      |      |        |
|         |  |      | Rate for 1 Cu.m   |      |      |        |
| 237     | Precast Concrete Block masonry using Autoclaved Cellular Aerated Concrete Block of size 600x200x225mm conforming to IS 2185 (Part 3) : 1984 with Self Curing AAC Joint Mortar for Partition Wall of non load bearing type in accordance with IS 6041:1985 including neat finishing, etc., complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         | 82.00  | Nos. | Cost of Autoclaved Cellular Aerated Concrete Block of size 600x200x-225mm |      | Nos. |        |
|         | 83.25  | Kg   | Self Curing AAC Joint Mortar  |      | Kg   |        |
|         | 2.50   | Nos. | Mason I Class   |      | Each |        |
|         | 1.00   | Nos. | Mazdoor Category - I  |      | Each |        |
|         | 2.00   | Nos. | Mazdoor Category - II   |      | Each |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         |  |      | Total For 2.07 cu.m                                |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                           |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X               |      |      |        |
|         |  |      | Rate for 1 Cu.m                                    |      |      |        |
| 238     | Precast Concrete Block masonry using Solid Concrete Blocks of size 400x200x200 mm of grade C (5.0) conforming to IS 2185 (Part 1) : 2005 with following Cement mortar in accordance with IS 2572:2005 including mortar plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3/1:5/1:6</b>                |      |      |        |
|         | 120.00   | Nos. | Cost of Solid Concrete Block of size 400x200x200mm |      | Nos. |        |
|         | 0.18   | Cu.m | Cement mortar 1:3/1:5/1:6                          |      | Cu.m |        |
|         | 2.50   | Nos. | Mason I Class                                      |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - I                               |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - II                              |      | Each |        |
|         |  |      | Total For 1.89 Cu.m                                |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                           |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X               |      |      |        |
|         |  |      | Rate for 1 Cu.m                                    |      |      |        |
| 239     | Precast Concrete Block masonry using Solid Concrete Blocks of size 400x200x100 mm of grade C (5.0) conforming to IS 2185 (Part 1) : 2005 with following cement mortar in accordance with IS 2572:2005 including mortar plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3/1:5/1:6</b>                |      |      |        |
|         | 120.00   | Nos. | Cost of Solid Concrete Block of size 400x200x100mm |      | Nos. |        |
|         | 0.09   | Cu.m | Cement mortar 1:3/1:5/1:6                          |      | Cu.m |        |
|         | 2.00   | Nos. | Mason I Class                                      |      | Each |        |
|         | 1.50   | Nos. | Mazdoor Category - I                               |      | Each |        |
|         | 1.50   | Nos. | Mazdoor Category - II                              |      | Each |        |
|         |  |      | Total For 0.945 cu.m                               |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                           |      |      |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         |  |      | Add water charges @1% of Sub Total X                 |      |      |        |
|         |  |      | Rate for 1 Cu.m                                      |      |      |        |
| 240     | Precast Concrete Block masonry using Solid Concrete Blocks of size 400x200x150 mm of grade C (5.0) conforming to IS 2185 (Part 1) : 2005 with following cement mortar in accordance with IS 2572:2005 including mortar plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers.                     |      |  |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3/1:5/1:6</b>                  |      |      |        |
|         | 120.00   | Nos. | Cost of Solid Concrete Block of size 400x200x150mm   |      | Nos. |        |
|         | 0.14   | Cu.m | Cement mortar 1:3/1:5/1:6                            |      | Cu.m |        |
|         | 2.50   | Nos. | Mason I Class  |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - I                                 |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - II                                |      | Each |        |
|         |  |      | Total For 1.42 cu.m                                  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                 |      |      |        |
|         |  |      | Rate for 1 Cu.m                                      |      |      |        |
| 241     | Precast Concrete Block masonry using Hollow Concrete Blocks of size 400x200x200 mm of grade B (5.0) conforming to IS 2185 (Part 1) : 2005 with following cement mortar for partition wall in accordance with IS 2572:2005 including mortar plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3/1:5/1:6</b>                  |      |      |        |
|         | 120.00   | Nos. | Cost of Hollow Concrete Blocks of size 400x200x200mm |      | Nos. |        |
|         | 0.18   | Cu.m | Cement mortar 1:3/1:5/1:6                            |      | Cu.m |        |
|         | 2.50   | Nos. | Mason I Class  |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - I                                 |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - II                                |      | Each |        |
|         |  |      | Total For 1.89 Cu.m                                  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                 |      |      |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         |  |      | Rate for 1 Cu.m                                      |      |      |        |
| 242     | Precast Concrete Block masonry using Hollow Concrete Blocks of size 400x200x100 mm of grade B (5.0) conforming to IS 2185 (Part 1) : 2005 with following cement mortar for partition wall in accordance with IS 2572:2005 including mortar plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3/1:5/1:6</b>                  |      |      |        |
|         | 120.00   | Nos. | Cost of Hollow Concrete Blocks of size 400x200x100mm |      | Nos. |        |
|         | 0.09   | Cu.m | Cement mortar 1:3/1:5/1:6                            |      | Cu.m |        |
|         | 2.00   | Nos. | Mason I Class  |      | Each |        |
|         | 1.50   | Nos. | Mazdoor Category - I                                 |      | Each |        |
|         | 1.50   | Nos. | Mazdoor Category - II                                |      | Each |        |
|         |  |      | Total For 0.945 cu.m                                 |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                 |      |      |        |
|         |  |      | Rate for 1 Cu.m                                      |      |      |        |
| 243     | Precast Concrete Block masonry using Hollow Concrete Blocks of size 400x200x150 mm of grade B (5.0) conforming to IS 2185 (Part 1) : 2005 with following cement mortar for partition wall in accordance with IS 2572:2005 including mortar plasticizer, curing, etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         |  |      | <b>In Cement Mortar 1:3/1:5/1:6</b>                  |      |      |        |
|         | 120.00   | Nos. | Cost of Hollow Concrete Blocks of size 400x200x150mm |      | Nos. |        |
|         | 0.14   | Cu.m | Cement mortar 1:3/1:5/1:6                            |      | Cu.m |        |
|         | 2.50   | Nos. | Mason I Class  |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - I                                 |      | Each |        |
|         | 1.75   | Nos. | Mazdoor Category - II                                |      | Each |        |
|         |  |      | Total For 1.42 cu.m                                  |      |      |        |
|         |  |      | Sub Total for 1 Cu.m (X)                             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X                 |      |      |        |
|         |  |      | Rate for 1 Cu.m                                      |      |      |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per  | Amount |
|---------|---|------|--|------|------|--------|
| 244     | Providing Projected bands 15cm wide and 5cm deep with Brick work in Cement Mortar 1:5 using Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5 conforming to IS 1077-1992 including forming projections and plastering with CM 1:5 , 12 mm thick including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers     |      |  |      |      |        |
|         |   |      | <b>In Foundation and basement / Ground Floor/First Floor/Second Floor etc.,</b>  |      |      |        |
|         | 0.075   | Cu.m | Cost of Brick work in C.M.1:5 using Burnt Clay Brick of size 9" x 4 1/2" x 3" with class designation of 7.5 without water charges in Foundation and basement / Ground Floor/First Floor/Second Floor etc.,     |      | Cu.m |        |
|         | 2.50  | Sq.m | plastering with CM 1:5   |      | Each |        |
|         | 1.60  | Nos. | Mason I Class  |      | Each |        |
|         | 1.60  | Nos. | Mazdoor Category - I   |      | Each |        |
|         |   |      | Total For 10Rm   |      |      |        |
|         |   |      | Sub Total for 1 RM (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | Rate for 1 RM  |      |      |        |
| 245     | Providing Projected bands 15cm wide and 5cm deep with Brick work in Cement Mortar 1:5 using Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5 conforming to IS 1077-1992 including forming projections and plastering with CM 1:5 , 12 mm thick including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers |      |  |      |      |        |
|         |   |      | <b>In Foundation and basement / Ground Floor/First Floor/Second Floor etc.,</b>  |      |      |        |
|         | 0.075   | Cu.m | Cost of Brick work in C.M.1:5 using Burnt Clay Brick of size 9" x 4 3/8" x 2 3/4" with class designation of 7.5 without water charges in Foundation and basement / Ground Floor/First Floor/Second Floor etc., |      | Cu.m |        |
|         | 2.50  | Sq.m | plastering with CM 1:5   |      | Each |        |
|         | 1.60  | Nos. | Mason I Class  |      | Each |        |
|         | 1.60  | Nos. | Mazdoor Category - I   |      | Each |        |
|         |   |      | Total For 10Rm   |      |      |        |
|         |   |      | Sub Total for 1 RM (X)   |      |      |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per  | Amount |
|---------|---|------|--|------|------|--------|
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | Rate for 1 RM  |      |      |        |
| 246     | Providing Projected bands 15cm wide and 5cm deep with Brick work in Cement Mortar 1:5 using Burnt Clay Brick of size 8 3/4" x 4 1/2" x 2 3/4" with class designation of 7.5 conforming to IS 1077-1992 including forming projections and plastering with CM 1:5 12 mm thick including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers |      |  |      |      |        |
|         |   |      | <b>In Foundation and basement / Ground Floor/First Floor/Second Floor etc.,</b>  |      |      |        |
|         | 0.075   | Cu.m | Cost of Brick work in C.M.1:5 using Burnt Clay Brick of size 8 3/4" x 4 1/2" x 2 3/4" with class designation of 7.5 without water charges in Foundation and basement / Ground Floor/First Floor/Second Floor etc., |      | Cu.m |        |
|         | 2.50  | Sq.m | plastering with CM 1:5   |      | Sq.m |        |
|         | 1.60  | Nos. | Mason I Class  |      | Each |        |
|         | 1.60  | Nos. | Mazdoor Category - I   |      | Each |        |
|         |   |      | Total For 10 Rm  |      |      |        |
|         |   |      | Sub Total for 1 RM (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | Rate for 1 RM  |      |      |        |
| 247     | Providing Projected bands 15cm wide and 5cm deep with Brick work in Cement Mortar 1:5 using Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 1/4" with class designation of 7.5 conforming to IS 1077-1992 including forming projections and plastering with CM 1:5 12 mm thick including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers |      |  |      |      |        |
|         |   |      | <b>In Foundation and basement / Ground Floor/First Floor/Second Floor etc.,</b>  |      |      |        |
|         | 0.075   | Cu.m | Cost of Brick work in C.M.1:5 using Burnt Clay Brick of size 8 3/4" x 4 1/4" x 2 1/4" with class designation of 7.5 without water charges in Foundation and basement / Ground Floor/First Floor/Second Floor etc., |      | Cu.m |        |
|         | 2.50  | Sq.m | plastering with CM 1:5   |      | Sq.m |        |
|         | 1.60  | Nos. | Mason I Class  |      | Each |        |
|         | 1.60  | Nos. | Mazdoor Category - I   |      | Each |        |

| Sl. No. | Qty.  | Unit | Description   | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
|         |   |      | Total For 10 Rm   |      |      |        |
|         |   |      | Sub Total for 1 RM (X)  |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |   |      | Rate for 1 RM   |      |      |        |
| 248     | Providing Projected bands 15cm wide and 5cm deep with Brick work in Cement Mortar 1:5 using <b>Fly Ash Brick of size 230x110x75mm with Class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 including forming projections and plastering with CM 1:5 , 12 mm thick including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers |      |   |      |      |        |
|         |   |      | <b>In Foundation and basement / Ground Floor/First Floor/Second Floor etc.,</b>   |      |      |        |
|         | 0.075   | Cu.m | Cost of Brick work in C.M.1:5 using Fly Ash Brick of size 230x110x75mm with Class designation of 7.5 without water charges in Foundation and basement / Ground Floor/First Floor/Second Floor etc., |      | Cu.m |        |
|         | 2.50  | Sq.m | plastering with CM 1:5  |      | Sq.m |        |
|         | 1.60  | Nos. | Mason I Class   |      | Each |        |
|         | 1.60  | Nos. | Mazdoor Category - I  |      | Each |        |
|         |   |      | Total For 10 Rm   |      |      |        |
|         |   |      | Sub Total for 1 RM (X)  |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |   |      | Rate for 1 RM   |      |      |        |
| 249     | Providing Projected bands 15cm wide and 5cm deep with Brick work in Cement Mortar 1:5 using <b>Fly Ash Brick of size 230x110x70mm with Class designation of 7.5</b> conforming to IS 13757-1993 or IS 12894-2002 including forming projections and plastering with CM 1:5 ,12 mm thick including Cost of Mortar Plasticizer, curing etc. complete complying with standard specification and as directed by the departmental officers  |      |   |      |      |        |
|         |   |      | <b>In Foundation and basement / Ground Floor/First Floor/Second Floor etc.,</b>   |      |      |        |
|         | 0.075   | Cu.m | Cost of Brick work in C.M.1:5 using Fly Ash Brick of size 230x110x70mm with Class designation of 7.5 without water charges in Foundation and basement / Ground Floor/First Floor/Second Floor etc., |      | Cu.m |        |

| <b>Sl. No.</b> | <b>Qty.</b> | <b>Unit</b> | <b>Description</b>                      | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|----------------|-------------|-------------|---|-------------|------------|---------------|
|                | 2.50        | Sq.m        | plastering with CM 1:5                  |             | Sq.m       |               |
|                | 1.60        | Nos.        | Mason I Class                           |             | Each       |               |
|                | 1.60        | Nos.        | Mazdoor Category - I                    |             | Each       |               |
|                |             |             | Total For 10 Rm                         |             |            |               |
|                |             |             | Sub Total for 1 RM (X)                  |             |            |               |
|                |             |             | Add water charges @1% of<br>Sub Total X |             |            |               |
|                |             |             | Rate for 1 RM                           |             |            |               |

## FLOORING

| Sl. No. | Qty.    | Unit | Description   | Rate | Per  | Amount |
|---------|---------|------|---|------|------|--------|
| 250     |         |      | Providing granolithic floor finish of the following thickness with plain cement concrete 1:2:4 (One Cement, Two Crushed Stone Sand and Four aggregate) using 6 to 12mm gauge hard broken stone jelly including laying, finishing and the top rubbed smooth with power trowel, thread lining, curing etc. complete complying with standard specification and as directed by the departmental officers. (The rate is inclusive of necessary planking for panelling wherever necessary and as directed by the departmental officers) |      |      |        |
|         |         |      | <b>SUB DATA - I</b><br><b>For machine mix - 20 m<sup>3</sup> per day</b><br><b>mixing - 15 bags/hour(1 bag/4</b><br><b>minutes)</b>   |      |      |        |
|         | 1.00    | Day  | Mixer machine with hopper   |      | Day  |        |
|         | 1.00    | Day  | Mixer machine driver  |      | Day  |        |
|         |         |      | Total for 20 Cu.m   |      |      |        |
|         |         |      | Total for 1 Cu.m (A)  |      |      |        |
|         |         |      | <b>SUB DATA - II -PCC 1:2:4</b>   |      |      |        |
|         | 9.00    | Cu.m | 6 to 12 mm Jelly  |      | Cu.m |        |
|         | 3240.00 | Kg   | Cement  |      | M.T  |        |
|         | 4.50    | Cu.m | Crushed Stone Sand  |      | Cu.m |        |
|         | 10.00   | Cu.m | Mixing charges by mechanical means (as per Sub Data 1)  |      | Cu.m |        |
|         | 1.80    | Each | Mason II Class  |      | Each |        |
|         | 17.70   | Each | Mazdoor Category I  |      | Each |        |
|         | 14.10   | Each | Mazdoor Category II   |      | Each |        |
|         |         |      | Total for 10 Cu.m   |      |      |        |
|         |         |      | Rate for 1 Cu.m   |      |      |        |
|         |         |      | <b>MAIN DATA for 1 Sq.m</b>   |      |      |        |
| a       |         |      | For 20mm thick  |      |      |        |
|         | 0.02    | Cu.m | Cement Concrete 1:2:4   |      | Cu.m |        |
|         | 0.10    | Nos  | Mason II Class  |      | Each |        |
|         | 0.10    | Nos  | Mazdoor Category II   |      | Each |        |
|         |         |      | Sub Total for 1 Sq.m (X)  |      |      |        |
|         |         |      | Add water charges at 1% of Sub Total X  |      |      |        |
|         |         |      | Rate for 1 sq.m.  |      |      |        |

| Sl. No. | Qty.  | Unit  | Description                                      | Rate | Per   | Amount |
|---------|---|-------|--|------|-------|--------|
| b       |   |       | For 25mm thick                                   |      |       |        |
|         | 0.025   | Cu.m  | Cement Concrete 1:2:4                            |      | Cu.m  |        |
|         | 0.10  | Nos   | Mason II Class                                   |      | Each  |        |
|         | 0.10  | Nos   | Mazdoor Category II                              |      | Each  |        |
|         |   |       | Sub Total for 1 sq.m. (X)                        |      |       |        |
|         |   |       | Add water charges at 1% of Sub Total X           |      |       |        |
|         |   |       | Rate for 1 sq.m.                                 |      |       |        |
| c       |   |       | For 40mm thick                                   |      |       |        |
|         | 0.04  | Cu.m  | Cement concrete 1:2:4                            |      | Cu.m  |        |
|         | 0.10  | Nos   | Mason II Class                                   |      | Each  |        |
|         | 0.10  | Nos   | Mazdoor Category II                              |      | Each  |        |
|         |   |       | Sub Total for 1 sq.m. (X)                        |      |       |        |
|         |   |       | Add water charges at 1% of Sub Total X           |      |       |        |
|         |   |       | Rate for 1 sq.m.                                 |      |       |        |
| 251     | Flooring with Snow White Marble Slab (Adanga) 18mm to 20mm thick and above free from all defects in all floors over a base layer of CM 1:3, 20mm thick including Mortar Plasticizer. The marble slab shall be laid over the cement mortar by applying cement slurry in between base mortar and marble slab and pointed with white cement neatly including polishing with polishing stone and oxalic acid etc. so as to perfectly smooth and glossy and including hire charges for polishing machine and power consumption charges etc. complete complying with standard specification and as directed by the departmental officers. (The marble slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work). |       |  |      |       |        |
|         | a   |       | Using Marble Slabs of size 4'0" x 2'0" and above |      |       |        |
|         | 10.00   | sq.m. | Marble Slabs of size 4'0" x 2'0" and above       |      | sq.m. |        |
|         | 0.21  | Cu.m  | Cement Mortar 1:3                                |      | Cu.m  |        |
|         | 18.00   | Kg    | White Cement                                     |      | Kg    |        |
|         | 3.00  | Nos.  | Mason I Class                                    |      | Each  |        |
|         | 1.25  | Nos.  | Mason II Class                                   |      | Each  |        |
|         | 0.50  | Nos.  | Stone Cutter I Class                             |      | Each  |        |
|         | 8.00  | Nos.  | Mazdoor Category I                               |      | Each  |        |
|         | 7.00  | Nos.  | Mazdoor Category II                              |      | Each  |        |
|         |   | LS    | Cutting Blades at 12% of Labour Charges          |      | LS    |        |

| Sl. No. | Qty.         | Unit      | Description                                      | Rate | Per       | Amount |
|---------|--------------|-----------|--|------|-----------|--------|
|         | <b>18.00</b> | <b>kg</b> | <b>Cement slurry</b>                             |      | <b>MT</b> |        |
|         | 1.25         | Nos.      | Polishing stone, Rough (80)                      |      | Nos.      |        |
|         | 0.75         | Nos.      | Medium (200)                                     |      | Nos.      |        |
|         | 0.30         | Nos.      | Nice (300)                                       |      | Nos.      |        |
|         | 1.00         | Kg        | Oxalic Acid                                      |      | Kg        |        |
|         | 0.25         | Kg        | Tin Oxide  |      | Kg        |        |
|         | 1.00         | Kg        | Marble Powder                                    |      | Kg        |        |
|         | 0.50         | Kg        | Cotton Waste                                     |      | Kg        |        |
|         | 1.00         | sq.m.     | Kithan Bag                                       |      | sq.m.     |        |
|         | 1.00         | Day       | Hire Charges for Polishing Machinery             |      | Day       |        |
|         | 2.00         | Units     | Electricity charges                              |      | Unit      |        |
|         |              |           | Total for 10 sq.m.                               |      |           |        |
|         |              |           | Sub Total for 1 sq.m. (X)                        |      |           |        |
|         |              |           | Add water charges at 1% of Sub Total X           |      |           |        |
|         |              |           | Rate for 1 sq.m.                                 |      |           |        |
|         | b            |           | Using Marble Slabs of size 2'0" x 2.0" and below |      |           |        |
|         | 10.00        | sq.m.     | Marble Slabs of size 4'0" x 2'0" and below       |      | sq.m.     |        |
|         | 0.21         | Cu.m      | Cement Mortar 1:3                                |      | Cu.m      |        |
|         | 18.00        | Kg        | White Cement                                     |      | Kg        |        |
|         | 3.00         | Nos.      | Mason I Class                                    |      | Each      |        |
|         | 1.25         | Nos.      | Mason II Class                                   |      | Each      |        |
|         | 0.50         | Nos.      | Stone Cutter I Class                             |      | Each      |        |
|         | 8.00         | Nos.      | Mazdoor Category I                               |      | Each      |        |
|         | 7.00         | Nos.      | Mazdoor Category II                              |      | Each      |        |
|         |              | LS        | Cutting Blades at 12% of Labour Charges          |      | LS        |        |
|         | <b>18.00</b> | <b>kg</b> | <b>Cement slurry</b>                             |      | <b>MT</b> |        |
|         | 1.25         | Nos.      | Polishing stone, Rough (80)                      |      | Nos.      |        |
|         | 0.75         | Nos.      | Medium (200)                                     |      | Nos.      |        |
|         | 0.30         | Nos.      | Nice (300)                                       |      | Nos.      |        |

| Sl. No. | Qty.  | Unit      | Description  | Rate | Per       | Amount |
|---------|---|-----------|--|------|-----------|--------|
|         | 1.00  | Kg        | Oxalic Acid  |      | Kg        |        |
|         | 0.25  | Kg        | Tin Oxide  |      | Kg        |        |
|         | 1.00  | Kg        | Marble Powder  |      | Kg        |        |
|         | 0.50  | Kg        | Cotton Waste   |      | Kg        |        |
|         | 1.00  | sq.m.     | Kithan Bag   |      | sq.m.     |        |
|         | 1.00  | Day       | Hire Charges for Polishing Machinery   |      | Day       |        |
|         | 2.00  | Units     | Electricity charges  |      | Unit      |        |
|         |   |           | Total for 10 sq.m.   |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)  |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                                       |      |           |        |
|         |   |           | Rate for 1 sq.m.   |      |           |        |
| 252     | Paving the floor with best approved quality fine polished Kota stone slabs of size 600 x 600 and above 20mm thick with machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three crushed stone sand) with required Cement Slurry and Mortar Plasticizer fixing the slabs in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments and polishing with floor polisher to a high degree of finish etc., complete complying with standard specification and as directed by the departmental officers. (The kota stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work) |           |  |      |           |        |
|         | a   |           | Using Fine polished Kota Stone Slab 600 x 600 and above with 20 mm thickness |      |           |        |
|         | 10.00   | sq.m.     | Fine polished Kota Stone Slab 600 x 600 and above with 20 mm thick           |      | sq.m.     |        |
|         | 0.21  | Cu.m      | Cement Mortar 1:3  |      | Cu.m      |        |
|         | 1.10  | Nos.      | Mason I Class  |      | Each      |        |
|         | 2.70  | Nos.      | Mason II Class   |      | Each      |        |
|         | 2.70  | Nos.      | Mazdoor Category I   |      | Each      |        |
|         | 3.30  | Nos.      | Mazdoor Category II  |      | Each      |        |
|         | <b>18.00</b>  | <b>kg</b> | <b>Cement slurry</b>   |      | <b>MT</b> |        |
|         | 4.00  | Kg        | Colour cement  |      | Kg        |        |
|         |   |           | Total for 10 sq.m.   |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)  |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                                       |      |           |        |
|         |   |           | Rate for 1 sq.m.   |      |           |        |

| Sl. No. | Qty.  | Unit      | Description   | Rate | Per       | Amount |
|---------|---|-----------|---|------|-----------|--------|
|         | b   |           | Using Fine polished Kota Stone Slab below 600 x 600 of 20mm thickness |      |           |        |
|         | 10.00   | sq.m.     | Fine polished Kota Stone Slab below 600 x 600 of of 20mm thickness    |      | sq.m.     |        |
|         | 0.21  | Cu.m      | Cement Mortar 1:3   |      | Cu.m      |        |
|         | 1.10  | Nos.      | Mason I Class   |      | Each      |        |
|         | 2.70  | Nos.      | Mason II Class  |      | Each      |        |
|         | 2.70  | Nos.      | Mazdoor Category I  |      | Each      |        |
|         | 3.30  | Nos.      | Mazdoor Category II   |      | Each      |        |
|         | <b>18.00</b>  | <b>kg</b> | <b>Cement slurry</b>  |      | <b>MT</b> |        |
|         | 4.00  | Kg        | Colour cement   |      | Kg        |        |
|         |   |           | Total for 10 sq.m.  |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)   |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                                |      |           |        |
|         |   |           | Rate for 1 sq.m.  |      |           |        |
| 253     | Paving the floor with kota stone (unpolished) slab of following size in all floors laid over cement mortar bed of 20mm thick in of cement mortar 1:3 (one cement and three crushed stone sand), with required Cement Slurry and Mortar Plasticizer and pointed with colour cement neatly including polishing with polishing stone and oxalic acid etc., so as to perfectly smooth and glossy and including hire charges for polishing machine and power consumption charges etc.complete complying with standard specification and as directed by the departmental officers. (The kota stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work) |           |   |      |           |        |
|         | 10.50   | sq.m.     | Kotta stone slab of size ..... (un-polished)                          |      | sq.m.     |        |
|         | 0.21  | Cu.m      | Cement Mortar 1:3   |      | Cu.m      |        |
|         | <b>18.00</b>  | <b>Kg</b> | <b>Cement slurry</b>  |      | <b>MT</b> |        |
|         | 3.00  | Nos.      | Mason I Class   |      | Each      |        |
|         | 1.25  | Nos.      | Mason II Class  |      | Each      |        |
|         | 5.00  | Nos.      | Mazdoor Category I  |      | Each      |        |
|         | 4.00  | Nos.      | Mazdoor Category II   |      | Each      |        |
|         | 1.00  | Day       | Hire charges for polishing machinery                                  |      | Day       |        |
|         | 1.10  | Nos.      | Floor Polisher  |      | Each      |        |
|         | 2.00  | Units     | Electricity   |      | Units     |        |
|         | 0.50  | Kg        | Cotton waste  |      | Kg        |        |

| Sl. No. | Qty.   | Unit      | Description                                       | Rate | Per       | Amount |
|---------|--|-----------|---|------|-----------|--------|
|         |  |           | Sundrise for polish stone (20% of polisher)       |      |           |        |
|         |  |           | Total for 10 sq.m.                                |      |           |        |
|         |  |           | Sub Total for 1 sq.m. (X)                         |      |           |        |
|         |  |           | Add water charges at 1% of Sub Total X            |      |           |        |
|         |  |           | Rate for 1 sq.m.                                  |      |           |        |
| 254     | Paving the floor with best approved quality fine polished Granite Stone Slabs of following size and Variety with machine cut edges laid over a cement mortar bed of 20mm thick using cement mortar 1:3 (One cement and three crushed stone sand) with required Cement Slurry and Mortar Plasticizer and laid in true right angles with minimum possible width of joints and pointing the joints with white cement mixed with matching colouring pigments etc., complete complying with standard specification and as directed by the departmental officers.(The granite stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work) |           |   |      |           |        |
|         | 10.00  | sq.m.     | Fine Polished Granite Slab of Size :<br>Variety : |      | sq.m.     |        |
|         | 0.21   | Cu.m      | Cement Mortar 1:3                                 |      | Cu.m      |        |
|         | 1.10   | Nos.      | Mason I Class                                     |      | Each      |        |
|         | 2.70   | Nos.      | Mason II Class                                    |      | Each      |        |
|         | 2.70   | Nos.      | Mazdoor Category I                                |      | Each      |        |
|         | 3.30   | Nos.      | Mazdoor Category II                               |      | Each      |        |
|         | 0.50   | Nos.      | Stone Cutter I Class                              |      | Each      |        |
|         | <b>18.00</b>   | <b>Kg</b> | <b>Cement slurry</b>                              |      | <b>MT</b> |        |
|         | 0.50   | Kg        | Cotton Waste                                      |      | Kg        |        |
|         | 4.00   | Kg        | Colour cement                                     |      | Kg        |        |
|         |  |           | Total for 10 sq.m.                                |      |           |        |
|         |  |           | Sub Total for 1 sq.m. (X)                         |      |           |        |
|         |  |           | Add water charges at 1% of Sub Total X            |      |           |        |
|         |  |           | Rate for 1 sq.m.                                  |      |           |        |
| 255     | Paving the floor with fine polished cuddapah stone slab of following thickness over cement mortar bed of 20mm thick in Cement Mortar 1:3 (One Cement and Three crushed stone Sand) with required Cement Slurry and Mortar Plasticizer and pointing the joints to full depth of slabs with same mortar mixed with black oxide and the top surface rendered smooth, curing, etc.,complete complying with standard specification and as directed by the departmental officers. (The cuddapah stone slabs and other materials to be used shall be got approved by the Executive Engineer concerned before use on work) - Cuddapah Slab of 20 to 30mm thick / 38 to 40mm thick / 50mm thick           |           |   |      |           |        |
|         |  |           | Sub-Data for Pointing                             |      |           |        |

| Sl. No. | Qty.   | Unit      | Description  | Rate | Per       | Amount |
|---------|--|-----------|--|------|-----------|--------|
|         | 0.01   | Cu.m      | Cement mortar 1:3  |      | Cu.m      |        |
|         | 1.60   | Nos.      | Mason II Class   |      | Each      |        |
|         | 0.50   | Nos.      | Mazdoor Category I   |      | Each      |        |
|         | 1.10   | Nos.      | Mazdoor Category II  |      | Each      |        |
|         |  | LS        | Add for black oxide  |      | LS        |        |
|         |  |           | Total for 10 sq.m.   |      |           |        |
|         |  |           | Rate for 1 sq.m.   |      |           |        |
|         |  |           | MAIN DATA  |      |           |        |
|         | 10.50  | sq.m.     | Cuddapah Slab of 20 to 30mm thick / 38 to 40mm thick / 50mm thick                |      | sq.m.     |        |
|         | 0.21   | Cu.m      | Cement Mortar 1:3  |      | Cu.m      |        |
|         | 10.00  | sq.m.     | Pointing with CM 1:3   |      | sq.m.     |        |
|         | <b>18.00</b>   | <b>Kg</b> | <b>Cement slurry</b>   |      | <b>MT</b> |        |
|         | 1.10   | Nos.      | Mason I Class  |      | Each      |        |
|         | 2.10   | Nos.      | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos.      | Mazdoor Category I   |      | Each      |        |
|         | 1.10   | Nos.      | Mazdoor Category II  |      | Each      |        |
|         |  |           | Total for 10 sq.m.   |      |           |        |
|         |  |           | Sub Total for 1 sq.m. (X)  |      |           |        |
|         |  |           | Add water charges at 1% of Sub Total X   |      |           |        |
|         |  |           | Rate for 1 sq.m.   |      |           |        |
| 256     | Paving the floor with best quality vitrified Tiles of following size and variety conforming IS 15622 with water absorption less than 0.08% of approved colour and shade laid over cement mortar bed of 20mm thick in cement mortar 1:3 (one cement and three crushed stone sand) with required Cement Slurry and Mortar Plasticizer in all floors and the top pointed with <b>Water Resistant Tile Epoxy Grout</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works) |           |  |      |           |        |
|         | 10.00  | sq.m.     | Vitrified Tiles of Size :<br>Variety : Double Charged/ Nano polished /Other type |      | sq.m.     |        |
|         | 0.21   | Cu.m      | Cement Mortar 1:3  |      | Cu.m      |        |
|         | 2.70   | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>  |      | <b>Kg</b> |        |
|         | <b>18.00</b>   | <b>Kg</b> | <b>Cement slurry</b>   |      | <b>MT</b> |        |

| Sl. No. | Qty.  | Unit      | Description   | Rate | Per       | Amount |
|---------|---|-----------|---|------|-----------|--------|
|         | 1.20  | Nos.      | Mason I Class   |      | Each      |        |
|         | 1.00  | Nos.      | Mason II Class  |      | Each      |        |
|         | 0.50  | Nos.      | Stone Cutter I Class  |      | Each      |        |
|         | 1.00  | Nos.      | Mazdoor Category I  |      | Each      |        |
|         | 1.00  | Nos.      | Mazdoor Category II   |      | Each      |        |
|         | 0.50  | Kg        | Cotton Waste  |      | Kg        |        |
|         |   |           | Total for 10 sq.m.  |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)                                     |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                        |      |           |        |
|         |   |           | Rate for 1 sq.m.  |      |           |        |
| 257     | Flooring with ceramic tiles of following size and variety conforming to IS 15622 laid over cement mortar bed of 20 mm thick in cement mortar 1:3 (One Cement and Three crushed stone Sand) with required Cement Slurry and Mortar Plasticizer including cutting the tiles to the required size with special cutter wherever necessary, laying in position and pointing with <b>Water Resistant Tile Epoxy Grout</b> at the rate of 0.27 Kg. / sq.m. etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works) |           |   |      |           |        |
|         |   |           | a. Self Designed Colour Ceramic Tiles of size 305 x 305 x 6mm |      |           |        |
|         | 108.00  | Nos.      | Cost of Tiles   |      | Each      |        |
|         | 0.21  | Cu.m      | Cement Mortar 1:3   |      | Cu.m      |        |
|         | 2.70  | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>                       |      | Kg        |        |
|         | <b>18.00</b>  | <b>Kg</b> | <b>Cement slurry</b>  |      | <b>MT</b> |        |
|         | 1.20  | Nos.      | Mason I Class   |      | Each      |        |
|         | 1.00  | Nos.      | Mason II Class  |      | Each      |        |
|         | 0.50  | Nos.      | Stone Cutter I Class  |      | Each      |        |
|         | 1.00  | Nos.      | Mazdoor Category I  |      | Each      |        |
|         | 1.00  | Nos.      | Mazdoor Category II   |      | Each      |        |
|         | 0.50  | Kg        | Cotton Waste  |      | Kg        |        |
|         |   |           | Total for 10 sq.m.  |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)                                     |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                        |      |           |        |
|         |   |           | Rate for 1 sq.m.  |      |           |        |

| Sl. No. | Qty.   | Unit  | Description   | Rate | Per  | Amount |
|---------|--------|-------|---|------|------|--------|
|         |        |       | b. Plain Ceramic Tiles of size 305 x 305 x 6mm                      |      |      |        |
|         | 108.00 | Nos.  | Cost of Tiles   |      | Each |        |
|         | 10.00  | sq.m. | Cost of cement mortar, labour, etc., as above without water charges |      |      |        |
|         |        |       | Total for 10 sq.m.  |      |      |        |
|         |        |       | Sub Total for 1 sq.m. (X)   |      |      |        |
|         |        |       | Add water charges at 1% of Sub Total X                              |      |      |        |
|         |        |       | Rate for 1 sq.m.  |      |      |        |
|         |        |       |   |      |      |        |
|         |        |       | c. Plain Ceramic Tiles of size 200x 200 x 6mm                       |      |      |        |
|         | 250.00 | Nos.  | Cost of Tiles   |      | Each |        |
|         | 10.00  | sq.m. | Cost of cement mortar, labour, etc., as above without water charges |      |      |        |
|         |        |       | Total for 10 sq.m.  |      |      |        |
|         |        |       | Sub Total for 1 sq.m. (X)   |      |      |        |
|         |        |       | Add water charges at 1% of Sub Total X                              |      |      |        |
|         |        |       | Rate for 1 sq.m.  |      |      |        |
|         |        |       |   |      |      |        |
|         |        |       | d. Designed Ceramic Tiles of size 200x 200 x 6mm                    |      |      |        |
|         | 250.00 | Nos.  | Cost of Tiles   |      | Each |        |
|         | 10.00  | sq.m. | Cost of cement mortar, labour, etc., as above without water charges |      |      |        |
|         |        |       | Total for 10 sq.m.  |      |      |        |
|         |        |       | Sub Total for 1 sq.m. (X)   |      |      |        |
|         |        |       | Add water charges at 1% of Sub Total X                              |      |      |        |
|         |        |       | Rate for 1 sq.m.  |      |      |        |
|         |        |       |   |      |      |        |
|         |        |       | e. Plain Ceramic Tiles of size 200x 100 x 6mm                       |      |      |        |
|         | 500.00 | Nos.  | Cost of Tiles   |      | Each |        |
|         | 10.00  | sq.m. | Cost of cement mortar, labour, etc., as above without water charges |      |      |        |

| Sl. No. | Qty.  | Unit      | Description   | Rate | Per       | Amount |
|---------|---|-----------|---|------|-----------|--------|
|         |   |           | Total for 10 sq.m.  |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)   |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                              |      |           |        |
|         |   |           | Rate for 1 sq.m.  |      |           |        |
|         |   |           |   |      |           |        |
|         |   |           | f. Designed Ceramic Tiles of size 200x 100 x 6mm                    |      |           |        |
|         | 500.00  | Nos.      | Cost of Tiles   |      | Each      |        |
|         | 10.00   | sq.m.     | Cost of cement mortar, labour, etc., as above without water charges |      |           |        |
|         |   |           | Total for 10 sq.m.  |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)   |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                              |      |           |        |
|         |   |           | Rate for 1 sq.m.  |      |           |        |
| 258     | Paving the floor with pre-polished concrete anti-skid tiles (Required shape and design) of 20mm thick of approved quality and colour laid in accordance with IS 1443 over a cement mortar bed of 20mm thick in Cement Mortar 1:3 (One Cement and Three crushed stone sand) with required Cement Slurry and Mortar Plasticizer and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works) |           |   |      |           |        |
|         | 10.00   | sq.m.     | Pre-polished concrete anti-skid tiles                               |      | sq.m.     |        |
|         | 0.21  | Cu.m      | Cement Mortar 1:3   |      | Cu.m      |        |
|         | <b>18.00</b>  | <b>Kg</b> | <b>Cement slurry</b>  |      | <b>MT</b> |        |
|         | 1.10  | Nos.      | Mason I st Class  |      | Each      |        |
|         | 2.70  | Nos.      | Mason II Class  |      | Each      |        |
|         | 2.70  | Nos.      | Mazdoor Category I  |      | Each      |        |
|         | 3.30  | Nos.      | Mazdoor Category II   |      | Each      |        |
|         | 4.00  | Kg        | Colour Cement   |      | Kg        |        |
|         |   |           | Rate for 10 sq.m.   |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)   |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                              |      |           |        |
|         |   |           | Rate for 1 sq.m.  |      |           |        |

| Sl. No. | Qty.  | Unit      | Description   | Rate | Per       | Amount |
|---------|---|-----------|---|------|-----------|--------|
| 259     | Paving pre-polished concrete anti-skid step tiles (Required shape and design) of 20mm thick of approved quality and colour laid in accordance with IS 1443 in Cement Mortar 1:3 (One Cement and Three crushed stone sand), with required Cement Slurry and Mortar Plasticizer, 20mm thick and pointed with white cement mixed with colouring pigment at the rate of 0.40 Kg. / sq.m., curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works) |           |   |      |           |        |
|         | 10.00   | sq.m.     | Pre-polished concrete anti-skid step tiles                  |      | sq.m.     |        |
|         | 0.21  | Cu.m      | Cement Mortar 1:3   |      | Cu.m      |        |
|         | <b>18.00</b>  | <b>Kg</b> | <b>Cement slurry</b>  |      | <b>MT</b> |        |
|         | 1.10  | Nos.      | Mason I st Class  |      | Each      |        |
|         | 2.70  | Nos.      | Mason II Class  |      | Each      |        |
|         | 2.70  | Nos.      | Mazdoor Category I  |      | Each      |        |
|         | 3.30  | Nos.      | Mazdoor Category II   |      | Each      |        |
|         | 4.00  | Kg        | Colour Cement   |      | Kg        |        |
|         |   |           | Rate for 10 sq.m.   |      |           |        |
|         |   |           | Sub Total for 1 sq.m. (X)                                   |      |           |        |
|         |   |           | Add water charges at 1% of Sub Total X                      |      |           |        |
|         |   |           | Rate for 1 sq.m.  |      |           |        |
| 260     | Dadoing walls with following best approved quality, white / colour glazed tiles conforming to IS 15622 of following sizes in Cement Mortar 1:2 (One Cement and Two crushed stone sand), 10 thick with Mortar Plasticizer and pointing the joints with <b>Water Resistant Tile Epoxy Grout</b> at the rate of 0.27 Kg. / sq.m. neatly in all floors, curing, etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by Executive Engineer before use on works)                                   |           |   |      |           |        |
|         |   | a         | Dadoing with white glazed tiles of size 150mm x 150mm x 6mm |      |           |        |
|         | 450.00  | Nos.      | Cost of Tiles   |      | Each      |        |
|         | 0.10  | Cu.m      | Cement mortar 1:2   |      | Cu.m      |        |
|         | 2.70  | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>                     |      | Kg        |        |
|         | 1.10  | Nos.      | Mason I Class   |      | Each      |        |
|         | 4.10  | Nos.      | Mason II Class  |      | Each      |        |
|         | 2.70  | Nos.      | Mazdoor Category I  |      | Each      |        |
|         | 3.30  | Nos.      | Mazdoor Category II   |      | Each      |        |
|         |   |           | Total for 10 sq.m.  |      |           |        |

| Sl. No. | Qty.   | Unit      | Description  | Rate | Per  | Amount |
|---------|--------|-----------|--|------|------|--------|
|         |        |           | Sub Total for 1 sq.m. (X)  |      |      |        |
|         |        |           | Add water charges at 1% of Sub Total X   |      |      |        |
|         |        |           | Rate for 1 sq.m.   |      |      |        |
|         |        | b         | Dadooing with plain colour glazed tiles of size 150mm x 150mm x 6mm  |      |      |        |
|         | 450.00 | Nos.      | Cost of Tiles  |      | Each |        |
|         | 10.00  | sq.m.     | Cost of cement mortar, labour, etc., as above (excluding Water Resistant Tile Epoxy Grout) without water charges                             |      |      |        |
|         | 2.70   | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>  |      | Kg   |        |
|         |        |           | Total for 10 sq.m.   |      |      |        |
|         |        |           | Sub Total for 1 sq.m. (X)  |      |      |        |
|         |        |           | Add water charges at 1% of Sub Total X   |      |      |        |
|         |        |           | Rate for 1 sq.m.   |      |      |        |
|         |        | c         | Dadooing with printed design colour glazed tiles of size 150mm x 150mm x 6mm   |      |      |        |
|         | 450.00 | Nos.      | Cost of Tiles  |      | Each |        |
|         | 10.00  | sq.m.     | Cost of cement mortar, labour, etc., as above (excluding Water Resistant Tile Epoxy Grout) without water charges                             |      |      |        |
|         | 2.70   | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>  |      | Kg   |        |
|         |        |           | Total for 10 sq.m.   |      |      |        |
|         |        |           | Sub Total for 1 sq.m. (X)  |      |      |        |
|         |        |           | Add water charges at 1% of Sub Total X   |      |      |        |
|         |        |           | Rate for 1 sq.m.   |      |      |        |
|         |        | d         | Dadooing with granite tiles of synthetic grey, paradise, and similar/other varieties of suitable sizes/ ceramic tiles/vitified/ glazed tiles |      |      |        |
|         | 10.00  | sq.m.     | Cost of Granite Tiles /ceramic tiles/vitified/ glazed tiles  |      |      |        |
|         | 10.00  | sq.m.     | Cost of cement mortar, labour, etc., as above (excluding Water Resistant Tile Epoxy Grout) without water charges                             |      |      |        |
|         | 2.70   | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>  |      | Kg   |        |

| Sl. No. | Qty.   | Unit      | Description   | Rate | Per  | Amount |
|---------|--------|-----------|---|------|------|--------|
|         |        |           | Total for 10 sq.m.  |      |      |        |
|         |        |           | Sub Total for 1 sq.m. (X)   |      |      |        |
|         |        |           | Add water charges at 1% of Sub Total X                                  |      |      |        |
|         |        |           | Rate for 1 sq.m.  |      |      |        |
|         |        | e         | Dadoing with printed design colour glazed tiles of size 300 x 200 x 6mm |      |      |        |
|         | 167.00 | Nos.      | Cost of Tiles   |      | Each |        |
|         | 0.10   | Cu.m      | Cement mortar 1:2   |      | Cu.m |        |
|         | 2.70   | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>                                 |      | Kg   |        |
|         | 1.10   | Nos.      | Mason I Class   |      | Each |        |
|         | 4.10   | Nos.      | Mason II Class  |      | Each |        |
|         | 2.70   | Nos.      | Mazdoor Category I  |      | Each |        |
|         | 3.30   | Nos.      | Mazdoor Category II   |      | Each |        |
|         |        |           | Total for 10 sq.m.  |      |      |        |
|         |        |           | Sub Total for 1 sq.m. (X)   |      |      |        |
|         |        |           | Add water charges at 1% of Sub Total X                                  |      |      |        |
|         |        |           | Rate for 1 sq.m.  |      |      |        |
|         |        | f         | Dadoing with printed design colour glazed tiles of size 300 x 450 x 8mm |      |      |        |
|         | 75.00  | Nos.      | Cost of Tiles   |      | Each |        |
|         | 0.10   | Cu.m      | Cement mortar 1:2   |      | Cu.m |        |
|         | 2.70   | <b>Kg</b> | <b>Water Resistant Tile Epoxy Grout</b>                                 |      | Kg   |        |
|         | 1.10   | Nos.      | Mason I Class   |      | Each |        |
|         | 4.10   | Nos.      | Mason II Class  |      | Each |        |
|         | 2.70   | Nos.      | Mazdoor Category I  |      | Each |        |
|         | 3.30   | Nos.      | Mazdoor Category II   |      | Each |        |
|         |        |           | Total for 10 sq.m.  |      |      |        |
|         |        |           | Sub Total for 1 sq.m. (X)   |      |      |        |
|         |        |           | Add water charges at 1% of Sub Total X                                  |      |      |        |
|         |        |           | Rate for 1 sq.m.  |      |      |        |

| Sl. No. | Qty.   | Unit  | Description                                       | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
| 261     | <b>Flooring with Cuddapah slab of 50mm thick,over a bed of concrete 100mm thick and pointed with Cement Mortar (1:3)</b> |       |   |      |       |        |
|         | <b>a</b>   |       | <b>Using Concrete Broken stone in Lime Mortar</b> |      |       |        |
|         | 10.50  | sq.m. | Cuddapah Slabs - 50mm thick                       |      | sq.m. |        |
|         | 0.12   | Cu.m  | Lime Mortar                                       |      | Cu.m  |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Lime Mortar              |      | Cu.m  |        |
|         | 10.00  | sq.m. | Pointing with CM 1:3                              |      | sq.m. |        |
|         | 1.10   | Nos.  | Mason I Class                                     |      | Each  |        |
|         | 2.10   | Nos.  | Mason II Class                                    |      | Each  |        |
|         | 2.20   | Nos.  | Mazdoor Category I                                |      | Each  |        |
|         | 1.10   | Nos.  | Mazdoor Category II                               |      | Each  |        |
|         |  |       | Total for 10 sq.m.                                |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m. (X)</b>                  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>       |      |       |        |
|         |  |       | <b>Rate for 1 Sq.m</b>                            |      |       |        |
|         | <b>b</b>   |       | <b>Using Concrete Broken Brick in Lime Mortar</b> |      |       |        |
|         | 10.50  | sq.m. | Cuddapah Slabs - 50mm Thick                       |      | sq.m. |        |
|         | 0.12   | Cu.m  | Lime Mortar                                       |      | Cu.m  |        |
|         | 1.00   | Cu.m  | Concrete broken Brick in Lime Mortar              |      | Cu.m  |        |
|         | 10.00  | sq.m. | Pointing with CM 1:3                              |      | sq.m. |        |
|         | 1.10   | Nos.  | Mason I Class                                     |      | Each  |        |
|         | 2.10   | Nos.  | Mason II Class                                    |      | Each  |        |
|         | 2.20   | Nos.  | Mazdoor Category I                                |      | Each  |        |
|         | 1.10   | Nos.  | Mazdoor Category II                               |      | Each  |        |
|         |  |       | Total for 10 sq.m.                                |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m. (X)</b>                  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>       |      |       |        |
|         |  |       | <b>Rate for 1 Sq.m</b>                            |      |       |        |

| Sl. No. | Qty.     | Unit  | Description   | Rate | Per   | Amount |
|---------|----------|-------|---|------|-------|--------|
|         | <b>c</b> |       | <b>Using Concrete Broken stone in Surki Mortar ( 1:0.5:1.5)</b>           |      |       |        |
|         | 10.50    | sq.m. | Cuddapah Slabs - 50mm Thick   |      | sq.m. |        |
|         | 0.12     | Cu.m  | Surki Mortar ( 1:0.5:1.5)   |      | Cu.m  |        |
|         | 1.00     | Cu.m  | Concrete broken stone in Surki Mortar                                     |      | Cu.m  |        |
|         | 10.00    | sq.m. | Pointing with CM 1:3  |      | sq.m. |        |
|         | 1.10     | Nos.  | Mason I Class   |      | Each  |        |
|         | 2.10     | Nos.  | Mason II Class  |      | Each  |        |
|         | 2.20     | Nos.  | Mazdoor Category I  |      | Each  |        |
|         | 1.10     | Nos.  | Mazdoor Category II   |      | Each  |        |
|         |          |       | Total for 10 sq.m.  |      |       |        |
|         |          |       | <b>Sub Total for 1 sq.m. (X)</b>  |      |       |        |
|         |          |       | <b>Add water charges @1% of Sub Total X</b>                               |      |       |        |
|         |          |       | <b>Rate for 1 Sq.m</b>  |      |       |        |
|         |          |       |   |      |       |        |
|         | <b>d</b> |       | <b>Using Concrete Broken Vitrified Brick in Surki Mortar ( 1:0.5:1.5)</b> |      |       |        |
|         | 10.50    | sq.m. | Cuddapah Slabs - 50mm Thick   |      | sq.m. |        |
|         | 0.12     | Cu.m  | Surki Mortar ( 1:0.5:1.5)   |      | Cu.m  |        |
|         | 1.00     | Cu.m  | Concrete Broken Vitrified Brick in Surki Mortar                           |      | Cu.m  |        |
|         | 10.00    | sq.m. | Pointing with CM 1:3  |      | sq.m. |        |
|         | 1.10     | Nos.  | Mason I Class   |      | Each  |        |
|         | 2.10     | Nos.  | Mason II Class  |      | Each  |        |
|         | 2.20     | Nos.  | Mazdoor Category I  |      | Each  |        |
|         | 1.10     | Nos.  | Mazdoor Category II   |      | Each  |        |
|         |          |       | Total for 10 sq.m.  |      |       |        |
|         |          |       | <b>Sub Total for 1 sq.m. (X)</b>  |      |       |        |
|         |          |       | <b>Add water charges @1% of Sub Total X</b>                               |      |       |        |
|         |          |       | <b>Rate for 1 Sq.m</b>  |      |       |        |
|         |          |       |   |      |       |        |

| Sl. No. | Qty.   | Unit  | Description   | Rate | Per       | Amount |
|---------|--|-------|---|------|-----------|--------|
| 262     | <b>Flooring with approved flooring tiles ,over a bed of concrete 100mm, thick and pointed with Cement mortar (1:3)</b> |       |   |      |           |        |
|         | a  |       | <b>Pressed Tiles of 20cm x 20cm x 20mm Using Concrete Broken stone in Lime Mortar</b> |      |           |        |
|         | 250.00   | Nos.  | Pressed Tiles of 20cm x 20cm x 20mm   |      | 1000 Nos. |        |
|         | 0.12   | Cu.m  | Lime Mortar   |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Lime Mortar  |      | Cu.m      |        |
|         | 10.00  | sq.m. | Pointing 20cm square tiles with cement Mortar (1:3)                                   |      | sq.m.     |        |
|         | 1.10   | Nos.  | Mason I Class   |      | Each      |        |
|         | 2.10   | Nos.  | Mason II Class  |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I  |      | Each      |        |
|         | 1.10   | Nos.  | Mazdoor Category II   |      | Each      |        |
|         |  |       | Total for 10 sq.m.  |      |           |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>   |      |           |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>   |      |           |        |
|         |  |       | <b>Rate for 1sq.m.</b>  |      |           |        |
|         |  |       |   |      |           |        |
|         | b  |       | <b>Pressed Tiles of 20cm x 20cm x 20mm Using Concrete Broken Brick in Lime Mortar</b> |      |           |        |
|         | 250.00   | Nos.  | Pressed Tiles of 20cm x 20cm x 20mm   |      | 1000 Nos. |        |
|         | 0.12   | Cu.m  | Lime Mortar   |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken Brick in Lime Mortar  |      | Cu.m      |        |
|         | 10.00  | sq.m. | Pointing 20cm square tiles with cement Mortar (1:3)                                   |      | sq.m.     |        |
|         | 1.10   | Nos.  | Mason I Class   |      | Each      |        |
|         | 2.10   | Nos.  | Mason II Class  |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I  |      | Each      |        |
|         | 1.10   | Nos.  | Mazdoor Category II   |      | Each      |        |
|         |  |       | Total for 10 sq.m.  |      |           |        |
|         |  |       | <b>Sub Total for 1sq.m. (X)</b>   |      |           |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per       | Amount |
|---------|--------|-------|--|------|-----------|--------|
|         |        |       | <b>Add water charges @1% of Sub Total X</b>  |      |           |        |
|         |        |       | <b>Rate for 1sq.m.</b>   |      |           |        |
|         | c      |       | <b>Pressed Tiles of 20cm x 20cm x 20mm Using Concrete Broken stone in Surki Mortar (1:0.5:1.5)</b>   |      |           |        |
|         | 250.00 | Nos.  | Pressed Tiles of 20cm x 20cm x 20mm  |      | 1000 Nos. |        |
|         | 0.12   | Cu.m  | Surki Mortar (1:0.5:1.5)   |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken Broken stone in Surki Mortar   |      | Cu.m      |        |
|         | 10.00  | sq.m. | Pointing 20cm square tiles with cement Mortar (1:3)  |      | sq.m.     |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each      |        |
|         | 2.10   | Nos.  | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I   |      | Each      |        |
|         | 1.10   | Nos.  | Mazdoor Category II  |      | Each      |        |
|         |        |       | Total for 10 sq.m.   |      |           |        |
|         |        |       | <b>Sub Total for 1sq.m. (X)</b>  |      |           |        |
|         |        |       | <b>Add water charges @1% of Sub Total X</b>  |      |           |        |
|         |        |       | <b>Rate for 1sq.m.</b>   |      |           |        |
|         |        |       |  |      |           |        |
|         | d      |       | <b>Pressed Tiles of 20cm x 20cm x 20mm Using Broken Vitrified Brick in Surki Mortar ( 1:0.5:1.5)</b> |      |           |        |
|         | 250.00 | Nos.  | Pressed Tiles of 20cm x 20cm x 20mm  |      | 1000 Nos. |        |
|         | 0.12   | Cu.m  | Surki Mortar (1:0.5:1.5)   |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete Broken Vitrified Brick in Surki Mortar  |      | Cu.m      |        |
|         | 10.00  | sq.m. | Pointing 20cm square tiles with cement Mortar (1:3)  |      | sq.m.     |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each      |        |
|         | 2.10   | Nos.  | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I   |      | Each      |        |
|         | 1.10   | Nos.  | Mazdoor Category II  |      | Each      |        |
|         |        |       | Total for 10 sq.m.   |      |           |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per       | Amount |
|---------|--------|-------|--|------|-----------|--------|
|         |        |       | <b>Sub Total for 1sq.m. (X)</b>  |      |           |        |
|         |        |       | <b>Add water charges @1% of Sub Total X</b>  |      |           |        |
|         |        |       | <b>Rate for 1sq.m.</b>   |      |           |        |
|         | e      |       | <b>Pressed Tiles of 15cm x 15cm x 12mm Using Concrete Broken stone in Lime Mortar</b>  |      |           |        |
|         | 450.00 | Nos.  | Pressed Tiles of 15cm x 15cm x 12mm ( Class to be defined )                            |      | 1000 Nos. |        |
|         | 0.12   | Cu.m  | Lime Mortar  |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Lime Mortar   |      | Cu.m      |        |
|         | 10.00  | sq.m. | Pointing with cement Mortar (1:3)  |      | sq.m.     |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each      |        |
|         | 2.10   | Nos.  | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I   |      | Each      |        |
|         | 1.10   | Nos.  | Mazdoor Category II  |      | Each      |        |
|         |        |       | Total for 10 sq.m.   |      |           |        |
|         |        |       | <b>Sub Total for 1 sq.m (X)</b>  |      |           |        |
|         |        |       | <b>Add water charges @1% of Sub Total X</b>  |      |           |        |
|         |        |       | <b>Rate for 1sq.m.</b>   |      |           |        |
|         | f      |       | <b>Pressed Tiles of 15cm x 15cm x 12mm Using Concrete Broken stone in surki Mortar</b> |      |           |        |
|         | 450.00 | Nos.  | Pressed Tiles of 15cm x 15cm x 12mm ( Class to be defined )                            |      | 1000 Nos. |        |
|         | 0.12   | Cu.m  | Surki Mortar   |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Surki Mortar  |      | Cu.m      |        |
|         | 10.00  | sq.m. | Pointing with cement Mortar (1:3)  |      | sq.m.     |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each      |        |
|         | 2.10   | Nos.  | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I   |      | Each      |        |
|         | 1.10   | Nos.  | Mazdoor Category II  |      | Each      |        |
|         |        |       | Total for 10 sq.m.   |      |           |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per       | Amount |
|---------|--|-------|--|------|-----------|--------|
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                                |      |           |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                    |      |           |        |
|         |  |       | <b>Rate for 1sq.m.</b>   |      |           |        |
| 263     | Brick on edge Flooring over a bed of concrete 100mm thick and pointed with Cement mortar (1:3) |       |  |      |           |        |
|         | a  |       | <b>Using Concrete Broken stone in Lime Mortar</b>              |      |           |        |
|         | 500.00   | Nos.  | Brick of size 19cm x 9cm x 9cm                                 |      | 1000 Nos. |        |
|         | 0.19   | Cu.m  | Lime Mortar  |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Lime Mortar                           |      | Cu.m      |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each      |        |
|         | 1.10   | Nos.  | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category II  |      | Each      |        |
|         | 10.00  | sq.m. | Pointing with cement Mortar (1:3)                              |      | sq.m.     |        |
|         |  |       | Total for 10 sq.m.   |      |           |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                                |      |           |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                    |      |           |        |
|         |  |       | <b>Rate for 1sq.m.</b>   |      |           |        |
|         | b  |       | <b>Using Concrete Broken stone in Surki Mortar (1:0.5:1.5)</b> |      |           |        |
|         | 500.00   | Nos.  | Brick of size 19cm x 9cm x 9cm                                 |      | 1000 Nos. |        |
|         | 0.19   | Cu.m  | Surki Mortar (1:0.5:1.5)                                       |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Surki Mortar                          |      | Cu.m      |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each      |        |
|         | 1.10   | Nos.  | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I   |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category II  |      | Each      |        |
|         | 10.00  | sq.m. | Pointing with cement Mortar (1:3)                              |      | sq.m.     |        |
|         |  |       | Total for 10 sq.m.   |      |           |        |

| Sl. No. | Qty.   | Unit  | Description   | Rate | Per       | Amount |
|---------|--|-------|---|------|-----------|--------|
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>   |      |           |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                               |      |           |        |
|         |  |       | <b>Rate for 1sq.m.</b>  |      |           |        |
|         | c  |       | <b>Using Concrete Broken Vitrified Brick in Surki Mortar ( 1:0.5:1.5)</b> |      |           |        |
|         | 500.00   | Nos.  | Brick of size 19cm x 9cm x 9cm  |      | 1000 Nos. |        |
|         | 0.19   | Cu.m  | Surki Mortar (1:0.5:1.5)  |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete Broken Vitrified Brick in Surki Mortar                           |      | Cu.m      |        |
|         | 1.10   | Nos.  | Mason I Class   |      | Each      |        |
|         | 1.10   | Nos.  | Mason II Class  |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I  |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category II   |      | Each      |        |
|         | 10.00  | sq.m. | Pointing with cement Mortar (1:3)   |      | sq.m.     |        |
|         |  |       | Total for 10 sq.m.  |      |           |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>   |      |           |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                               |      |           |        |
|         |  |       | <b>Rate for 1sq.m.</b>  |      |           |        |
|         |  |       |   |      |           |        |
| 264     | <b>Flooring with paving stone in Lime Mortar laid on 100mm thick concrete broken stone in Lime Mortar and pointed with cement Mortar (1:3)</b> |       |   |      |           |        |
|         | 10.00  | sq.m. | Flooring Stones 80mm to 100mm thick                                       |      | sq.m.     |        |
|         | 0.37   | Cu.m  | Lime Mortar   |      | Cu.m      |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Lime Mortar                                      |      | Cu.m      |        |
|         | 10.00  | sq.m. | Pointing with cement Mortar (1:3)   |      | sq.m.     |        |
|         | 1.10   | Nos.  | Mason I Class   |      | Each      |        |
|         | 1.10   | Nos.  | Mason II Class  |      | Each      |        |
|         | 2.20   | Nos.  | Mazdoor Category I  |      | Each      |        |
|         | 1.10   | Nos.  | Mazdoor Category II   |      | Each      |        |
|         |  |       | Total for 10 sq.m.  |      |           |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>   |      |           |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         |  |       | <b>Add water charges @1% of Sub Total X</b>            |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                                 |      |       |        |
| 265     | <b>Flooring with paving stone in Lime Mortar laid on sand base and pointed with cement Mortar (1:3) Note: Sand base to be paid for seperately.</b> |       |  |      |       |        |
|         | 10.00  | sq.m. | Flooring Stones 80mm to 100mm thick                    |      | sq.m. |        |
|         | 0.37   | Cu.m  | Lime Mortar  |      | Cu.m  |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Lime Mortar                   |      | Cu.m  |        |
|         | 10.00  | sq.m. | Pointing with cement Mortar (1:3)                      |      | sq.m. |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each  |        |
|         | 1.10   | Nos.  | Mason II Class   |      | Each  |        |
|         | 2.20   | Nos.  | Mazdoor Category I                                     |      | Each  |        |
|         | 1.10   | Nos.  | Mazdoor Category II                                    |      | Each  |        |
|         | 0.12   | Cu.m  | deduct Lime Mortar                                     |      | Cu.m  |        |
|         | 1.00   | Cu.m  | deduct Concrete broken stone in Lime Mortar            |      | Cu.m  |        |
|         |  |       | Total for 10 Sq.m                                      |      |       |        |
|         |  |       | <b>Sub Total for 1sq.m. (X)</b>                        |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>            |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                                 |      |       |        |
| 266     | <b>Flooring with 100mm base concrete and 20mm cement concrete surface (Ellis pattern first sort - No sand to be used)</b>                          |       |  |      |       |        |
|         | a  |       | <b>Using Concrete base Broken stone in Lime Mortar</b> |      |       |        |
|         | 1.00   | Cu.m  | Concrete broken stone in Lime Mortar                   |      | Cu.m  |        |
|         | 0.24   | Cu.m  | Stone chippings ( 3mm to 10mm size )                   |      | Cu.m  |        |
|         | 117.00   | Kg    | Cement   |      | 1MT   |        |
|         | 0.50   | Nos.  | Mason I Class  |      | Each  |        |
|         | 1.10   | Nos.  | Mazdoor Category I                                     |      | Each  |        |
|         | 4.30   | Nos.  | Mazdoor Category II                                    |      | Each  |        |
|         |  |       | Total for 10 sq.m.                                     |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                        |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>            |      |       |        |

| Sl. No. | Qty.  | Unit | Description   | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
|         |   |      | <b>Rate for 1sq.m.</b>  |      |      |        |
|         | b   |      | <b>Using Concrete base Broken stone in Surki Mortar (1:0.5:1.5)</b> |      |      |        |
|         | 1.00  | Cu.m | Concrete broken stone in Surki Mortar (1:0.5:1.5)                   |      | Cu.m |        |
|         | 0.24  | Cu.m | Stone chippings ( 3mm to 10mm size )                                |      | Cu.m |        |
|         | 117.00  | Kg   | Cement  |      | 1MT  |        |
|         | 0.50  | Nos. | Mason I Class   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category I  |      | Each |        |
|         | 4.30  | Nos. | Mazdoor Category II   |      | Each |        |
|         |   |      | Total for 10 sq.m.  |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>                                     |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                         |      |      |        |
|         |   |      | <b>Rate for 1sq.m.</b>  |      |      |        |
| 2.7     | <b>Finishing the Floor with 20mm Cement concrete (Ellis pattern first sort - No sand to be used)</b>                                  |      |   |      |      |        |
|         | 0.24  | Cu.m | Stone chippings ( 3mm to 10mm size )                                |      | Cu.m |        |
|         | 117.00  | Kg   | Cement  |      | 1MT  |        |
|         | 0.50  | Nos. | Mason I Class   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category I  |      | Each |        |
|         | 4.30  | Nos. | Mazdoor Category II   |      | Each |        |
|         |   |      | Total for 10 sq.m.  |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>                                     |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                         |      |      |        |
|         |   |      | <b>Rate for 1sq.m.</b>  |      |      |        |
| 268     | <b>Flooring with wearing coat of cement concrete (1:2:4) 20mm thick with baby jelly 12.5mm or less over Lime concrete 100mm thick</b> |      |   |      |      |        |
|         | 1.00  | Cu.m | Concrete broken stone in Lime Mortar (1:2)                          |      | Cu.m |        |
|         | 0.20  | Cu.m | Concrete broken stone 12.5mm in size in Cement Mortar (1:2:4)       |      | Cu.m |        |
|         |   |      | Total for 10 sq.m.  |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>                                     |      |      |        |

| Sl. No. | Qty.  | Unit | Description   | Rate | Per   | Amount |
|---------|---|------|---|------|-------|--------|
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                   |      |       |        |
|         |   |      | <b>Rate for 1sq.m.</b>  |      |       |        |
| 269     | <b>Flooring with wearing coat of cement concrete (1:3:6) 25mm thick with baby jelly 12.5mm or less over Lime concrete 100mm thick</b> |      |   |      |       |        |
|         | 1.00  | Cu.m | Concrete broken stone in Lime Mortar                          |      | Cu.m  |        |
|         | 0.25  | Cu.m | Concrete broken stone 12.5mm in size in Cement Mortar (1:3:6) |      | Cu.m  |        |
|         |   |      | Total for 10 sq.m.  |      |       |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>                               |      |       |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                   |      |       |        |
|         |   |      | <b>Rate for 1sq.m.</b>  |      |       |        |
| 270     | <b>Flooring with 100mm thick Lime concrete and rendered smooth with 10 kg of cement</b>   |      |   |      |       |        |
|         | 1.00  | Cu.m | Concrete broken stone in Lime Mortar                          |      | Cu.m  |        |
|         | 10.00   | kg   | Cement  |      | Tonne |        |
|         | 0.30  | Nos. | Mason I Class   |      | Each  |        |
|         | 2.20  | Nos. | Mazdoor Category II   |      | Each  |        |
|         |   |      | Total for 10 sq.m.  |      |       |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>                               |      |       |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                   |      |       |        |
|         |   |      | <b>Rate for 1sq.m.</b>  |      |       |        |
| 271     | <b>Flooring with concrete broken 0.5 stone in Surki Mortar (1:0.5:1.5) 100mm thick and rendered smooth with 10 kg of cement</b>       |      |   |      |       |        |
|         | 1.00  | Cu.m | Concrete broken stone in Surki Mortar (1:0.5:1.5)             |      | Cu.m  |        |
|         | 10.00   | kg   | Cement  |      | Tonne |        |
|         | 0.30  | Nos. | Mason I Class   |      | Each  |        |
|         | 2.20  | Nos. | Mazdoor Category II   |      | Each  |        |
|         |   |      | Total for 10 sq.m.  |      |       |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>                               |      |       |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                   |      |       |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         |  |      | <b>Rate for 1sq.m.</b>                                    |      |      |        |
| 272     | <b>Flooring with concrete broken stone in lime mortar 100mm thick and plastered over with cement mortar (1:3) 15mm thick</b> |      |   |      |      |        |
|         | 1.00   | Cu.m | Concrete broken stone in Lime Mortar                      |      | Cu.m |        |
|         | 10.00  | Sq.m | Plastering with Cement Mortar (1:3) - 15mm thick          |      | Sq.m |        |
|         |  |      | Total for 10 sq.m.  |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                           |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>               |      |      |        |
|         |  |      | <b>Rate for 1sq.m.</b>                                    |      |      |        |
| 273     | <b>Flooring with Red cement plaster polished surface and thread lined</b>  |      |   |      |      |        |
|         | 10.00  | Sq.m | Rate per Plastering with Cement Mortar (1:3) - 15mm thick |      | Sq.m |        |
|         | 0.80   | Kg   | Red oxide   |      | Kg   |        |
|         | 1.10   | Nos  | Masons-1 class for fine polishing                         |      | Each |        |
|         |  |      | Total for 10 sq.m.  |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                           |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>               |      |      |        |
| 274     | <b>Asphalt flooring 20mm thick,over a bed of concrete 100mm thick</b>  |      |   |      |      |        |
|         | a  |      | <b>Using Concrete Broken stone in Lime Mortar</b>         |      |      |        |
|         | 328.00   | Kg   | Asphalt   |      | Qtl  |        |
|         | 10.30  | Kg   | Bitumen   |      | Kg   |        |
|         | 0.10   | Cu.m | Sand  |      | Cu.m |        |
|         | 0.10   | Cu.m | Fine sand for finishing                                   |      | Cu.m |        |
|         | 164.00   | Kg   | Fire wood   |      | Kg   |        |
|         | 1.00   | Cu.m | Concrete broken stone in Lime Mortar                      |      | Cu.m |        |
|         | 1.10   | Nos. | Mason I Class   |      | Each |        |
|         | 2.10   | Nos. | Mason II Class  |      | Each |        |
|         | 3.20   | Nos. | Mazdoor Category I  |      | Each |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
|         | 1.10   | Nos. | Mazdoor Category II  |      | Each |        |
|         |  | LS   | Sundries in including gingelly oil etc                       |      | LS   |        |
|         |  |      | Total for 10 sq.m.   |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                              |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>                  |      |      |        |
|         |  |      | <b>Rate for 1sq.m.</b>                                       |      |      |        |
|         |  |      |  |      |      |        |
|         | b  |      | <b>Using Concrete Broken stone in Surki Mortar 1:0.5:1.5</b> |      |      |        |
|         | 328.00   | Kg   | Asphalt  |      | Qtl  |        |
|         | 10.30  | Kg   | Bitumen  |      | Kg   |        |
|         | 0.10   | Cu.m | Sand   |      | Cu.m |        |
|         | 0.10   | Cu.m | Fine sand for finishing                                      |      | Cu.m |        |
|         | 164.00   | Kg   | Fire wood  |      | Kg   |        |
|         | 1.00   | Cu.m | Concrete broken stone in Surki Mortar 1:0.5:1.5              |      | Cu.m |        |
|         | 1.10   | Nos. | Mason I Class  |      | Each |        |
|         | 2.10   | Nos. | Mason II Class   |      | Each |        |
|         | 3.20   | Nos. | Mazdoor Category I   |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category II  |      | Each |        |
|         |  | LS   | Sundries in including gingelly oil etc                       |      | LS   |        |
|         |  |      | Total for 10 sq.m.   |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                              |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>                  |      |      |        |
|         |  |      | <b>Rate for 1sq.m.</b>                                       |      |      |        |
|         |  |      |  |      |      |        |
| 275     | <b>Best terrace flooring with brick on edge, 75mm thick brick jelly concrete in Lime mortar and 15mm thick cement plastering (1:3) to top and bottom</b> |      |  |      |      |        |
|         | 1940.00  | Nos. | terrace Bricks ( 15cmx7.5cmx2.5cm)                           |      | Nos. |        |
|         | 0.98   | Cu.m | Broken Bricks ( 20mm cubes )                                 |      | Cu.m |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per       | Amount |
|---------|--|------|--|------|-----------|--------|
|         | 0.21   | Cu.m | Lime Mortar ( 1:1.5)                                   |      | Cu.m      |        |
|         | 0.38   | Cu.m | shell Lime   |      | Cu.m      |        |
|         | 20.00  | Sq.m | Plastering with Cement Mortar (1:3) 15 mm thick        |      | Sq.m      |        |
|         | 1.10   | Nos. | Mason I Class  |      | Each      |        |
|         | 2.10   | Nos. | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos. | Mazdoor Category I                                     |      | Each      |        |
|         | 3.20   | Nos. | Mazdoor Category II                                    |      | Each      |        |
|         |  | LS   | Sundries   |      | LS        |        |
|         |  |      | Total for 10 sq.m.                                     |      |           |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                        |      |           |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>            |      |           |        |
|         |  |      | <b>Rate for 1sq.m.</b>                                 |      |           |        |
| 276     | <b>Best terrace flooring with brick on edge 75mm thick brick jelly concrete in Lime mortar and 15mm thick cement plastering (1:3) at bottom and pressed tiles set in Lime mortar and pointed with Cement Mortar 1:3 at top</b> |      |  |      |           |        |
|         | 1940.00  | Nos. | Terrace Bricks ( 15cmx7.5cmx2.5cm)                     |      | Nos.      |        |
|         | 0.98   | Cu.m | Broken Bricks ( 20mm cubes )                           |      | Cu.m      |        |
|         | 0.21   | Cu.m | Lime Mortar ( 1:1.5)                                   |      | Cu.m      |        |
|         | 0.38   | Cu.m | shell Lime   |      | Cu.m      |        |
|         | 20.00  | Sq.m | Plastering with Cement Mortar (1:3) 15 mm thick        |      | Sq.m      |        |
|         | 1.10   | Nos. | Mason I Class  |      | Each      |        |
|         | 2.10   | Nos. | Mason II Class   |      | Each      |        |
|         | 2.20   | Nos. | Mazdoor Category I                                     |      | Each      |        |
|         | 3.20   | Nos. | Mazdoor Category II                                    |      | Each      |        |
|         | 10.00  | Sq.m | Deduct Plastering with Cement Mortar (1:3) 15 mm thick |      | Sq.m      |        |
|         | 250.00   | Nos. | Pressed Tiles (20 cm x 20 cm x 20 mm)                  |      | 1000 Nos. |        |
|         | 0.12   | Cu.m | Lime Mortar  |      | Cu.m      |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         | 10.00  | sq.m. | Pointing 20cm square tiles with cement Mortar (1:3)        |      | sq.m. |        |
|         | 1.10   | Nos.  | Mason I Class  |      | Each  |        |
|         | 2.10   | Nos.  | Mason II Class   |      | Each  |        |
|         | 2.20   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 1.10   | Nos.  | Mazdoor Category II  |      | Each  |        |
|         |  | LS    | Sundries   |      | LS    |        |
|         |  |       | Total for 10 sq.m.   |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                            |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                                     |      |       |        |
|         |  |       |  |      |       |        |
| 2.70    | <b>Flooring with Gravel 100mm thick</b>                          |       |  |      |       |        |
|         | 1.70   | Cu.m  | Gravel   |      | Cu.m  |        |
|         | 1.10   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 0.50   | Nos.  | Mazdoor Category II  |      | Each  |        |
|         |  | LS    | Sundries   |      | LS    |        |
|         |  |       | Total for 10 sq.m.   |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                            |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                                     |      |       |        |
|         |  |       |  |      |       |        |
| 278     | <b>Teakwood Flooring , 40mm thick tongued and grooved planks</b> |       |  |      |       |        |
|         | 0.42   | Cu.m  | Teakwood planks vide standard 10dm3 specification for size |      | Cu.m  |        |
|         | 310.00   | Nos.  | Screws ( 80mm long )                                       |      | Each  |        |
|         | 2.20   | Nos.  | Carpenter I Class  |      | Each  |        |
|         | 4.30   | Nos.  | Carpenter II Class   |      | Each  |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per      | Amount |
|---------|--|------|---|------|----------|--------|
|         | 5.40   | Nos. | Mazdoor Category I                                    |      | Each     |        |
|         |  | LS   | Sundries  |      | LS       |        |
|         |  |      | Total for 10 sq.m.                                    |      |          |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                       |      |          |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>           |      |          |        |
|         |  |      | <b>Rate for 1sq.m.</b>                                |      |          |        |
| 279     | <b>Paving Hydraulic pressed cement Mosaic Tiles of approved colour and size 20cmx20cmx20mm finished thickness with small verona or Indian marble ( other than salem magnesite ) with cement mortar 1:3,20mm thick and pointed with the same colour cement including polishing with power polisher to a high degree of polish so as to be perfectly smooth and glossy</b> |      |   |      |          |        |
|         | 250.00   | Nos. | Mosaic Tiles ( 20cmx20cmx20mm)                        |      | 100 Nos. |        |
|         | 0.21   | Cu.m | Cement Mortar (1:3)                                   |      | Cu.m     |        |
|         | 1.10   | Nos. | Mason I Class   |      | Each     |        |
|         | 1.10   | Nos. | Mason II Class  |      | Each     |        |
|         | 2.20   | Nos. | Mazdoor Category I                                    |      | Each     |        |
|         | 2.20   | Nos. | Mazdoor Category II                                   |      | Each     |        |
|         |  |      | <b>Pointing with Colour cement</b>                    |      |          |        |
|         | 22.00  | Kg   | Colour cement   |      | Kg       |        |
|         | 1.60   | Nos. | Mason II Class  |      | Each     |        |
|         | 0.50   | Nos. | Mazdoor Category I                                    |      | Each     |        |
|         | 1.10   | Nos. | Mazdoor Category II                                   |      | Each     |        |
|         |  |      | <b>Polishing</b>                                      |      |          |        |
|         |  | LS   | Hire charges for power polishing machine              |      | LS       |        |
|         |  | LS   | Charges for temporary connection and Electric energy  |      | LS       |        |
|         |  | LS   | Cost of Polishing stone                               |      | LS       |        |
|         | 1.10   | Nos. | Polisher for Polishing with machine                   |      | Nos.     |        |
|         | 2.20   | Nos. | Mazdoor II Class for conveyance of water and watering |      | Each     |        |
|         |  | LS   | Sundries  |      | LS       |        |

| Sl. No. | Qty.  | Unit | Description                                 | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
|         |   |      | Total for 10 sq.m.                          |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>             |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b> |      |      |        |
|         |   |      | <b>Rate for 1sq.m.</b>                      |      |      |        |
| 280     | <b>Dadoing sides of walls with Mosaic Hydraulic pressed tiles 20cmx20cm and 20mm thick with indian marble with necessary coves of the same materials laid in situ at junction of walls with 10cm wide approved colour border tiles alround and set in Cement mortar (1:3) 20mm thick and pointed with the same colour cement including polishing to a high degree of polish so as to be perfectly smooth and glossy</b> |      |   |      |      |        |
|         | 10.00   | Sq.m | Data as per item above                      |      | Sq.m |        |
|         | 1.10  | Nos. | Mason II Class                              |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category I                          |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                         |      | Each |        |
|         |   | LS   | Sundries                                    |      | LS   |        |
|         |   |      | Total for 10 sq.m.                          |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>             |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b> |      |      |        |
|         |   |      | <b>Rate for 1sq.m.</b>                      |      |      |        |

## POINTING

| Sl. No. | Qty.  | Unit | Description                          | Rate | Per  | Amount |
|---------|---|------|--------------------------------------|------|------|--------|
| 281     | <b>Pointing with Lime Mortar 1:1.5 Flush pointing Brickwork</b> , etc., complete complying as per the standard specifications.      |      |                                      |      |      |        |
|         | 0.06  | cu.m | Lime Mortar 1:1.5                    |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class                       |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Sundries                             |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |
| 282     | <b>Pointing with Surki Mortar (1:0.5:1) Flush pointing Brickwork</b> , etc., complete complying as per the standard specifications. |      |                                      |      |      |        |
|         | 0.06  | cu.m | Surki Mortar 1:0.5:1                 |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class                       |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Sundries                             |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |
| 283     | <b>Pointing with Cement Mortar 1:3 Flush pointing Brickwork</b> , etc., complete complying as per the standard specifications.      |      |                                      |      |      |        |
|         | 0.06  | cu.m | Cement Mortar 1:3                    |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class                       |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Sundries                             |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |

| Sl. No. | Qty.  | Unit | Description                          | Rate | Per  | Amount |
|---------|---|------|--------------------------------------|------|------|--------|
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |
| 284     | <b>Pointing with Lime Mortar 1:1.5 Flush pointing Random Rubble</b> , etc., complete complying as per the standard specifications.    |      |                                      |      |      |        |
|         | 0.06  | cu.m | Lime Mortar 1:1.5                    |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class                       |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         | 0.03  | cu.m | Add Extra Lime Mortar 1:1.5          |      | cu.m |        |
|         |   |      | Sundries                             |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |
| 285     | <b>Pointing with Surki Mortar 1:0.5:1 Flush pointing Random Rubble</b> , etc., complete complying as per the standard specifications. |      |                                      |      |      |        |
|         | 0.06  | cu.m | Surki Mortar 1:0.5:1                 |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class                       |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         | 0.03  | cu.m | Add Extra Lime Mortar 1:1.5          |      | cu.m |        |
|         |   |      | Sundries                             |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |
| 286     | <b>Pointing with Cement Mortar 1:3 Flush pointing Random Rubble</b> , etc., complete complying as per the standard specifications.    |      |                                      |      |      |        |
|         | 0.06  | cu.m | Cement Mortar 1:3                    |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class                       |      | Each |        |

| Sl. No. | Qty.  | Unit | Description                          | Rate | Per  | Amount |
|---------|---|------|--------------------------------------|------|------|--------|
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         | 0.03  | cu.m | Add Extra Cement Mortar 1:3          |      | cu.m |        |
|         |   |      | Sundries                             |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |
| 2.7     | <b>Pointing with Cement Mortar 1:3 to Full Depth of Tiles (Marble Slabs, Pressed Tiles, Ornamental Tiles) , etc.,</b> complete complying as per the standard specifications |      |                                      |      |      |        |
|         | 0.04  | cu.m | Cement Mortar 1:3                    |      | cu.m |        |
|         | 2.20  | Nos. | Mason II Class                       |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Sundries Colouring Matter            |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |
| 288     | <b>Pointing with Cement Mortar 1:3 Cuddahpah Slab to full depth etc.,</b> complete complying as per the standard specifications.  |      |                                      |      |      |        |
|         | 0.06  | cu.m | Cement Mortar 1:3                    |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class                       |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         | 0.05  | cu.m | Deduct Cement Mortar 1:3             |      | cu.m |        |
|         |   |      | Sundries                             |      | LS   |        |
|         |   |      | Rate for 10 sq.m.                    |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1 sq.m.                     |      |      |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per  | Amount |
|---------|---|------|--|------|------|--------|
| 289     | <b>Pointing with Cement Mortar 1:3 Square Brick Flooring</b> etc., complete complying as per the standard specifications. |      |  |      |      |        |
|         | 0.06  | cu.m | Cement Mortar 1:3  |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class   |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         | 0.05  | cu.m | Deduct Cement Mortar 1:3   |      | cu.m |        |
|         |   |      | Sundries   |      | LS   |        |
|         |   |      | Rate for 10 sq.m.  |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | Rate for 1 sq.m.   |      |      |        |
| 290     | <b>Pointing with Cement Mortar 1:3 Paving Stone Flooring</b> etc., complete complying as per the standard specifications. |      |  |      |      |        |
|         | 0.06  | cu.m | Cement Mortar 1:3  |      | cu.m |        |
|         | 1.60  | Nos. | Mason II Class   |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         | 0.05  | cu.m | Deduct Cement Mortar 1:3   |      | cu.m |        |
|         |   |      | Sundries   |      | LS   |        |
|         |   |      | Rate for 10 sq.m.  |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | Rate for 1 sq.m.   |      |      |        |
|         |   |      | Note 7: Data for pointing coursed rubble work will be taken the same as for corresponding class of brick work pointing |      |      |        |
|         |   |      | Note 8: For "Raised or Lined Pointing" add 1.1 No masons to the rate for corresponding flush pointing                  |      |      |        |
|         |   |      | Note 9: For "Pointing Brick on edge" the rate will be same as for flush pointing brickwork.                            |      |      |        |

## PLASTERING

| Sl. No. | Qty.  | Unit   | Description                             | Rate | Per  | Amount |  |
|---------|---|--|---|------|------|--------|--|
| 291     | <b>Plastering</b> with Lime Mortar <b>1:2 , One Coat, 12mm thick</b> etc. complete complying with standard specification and as directed by the departmental officers.    |  |   |      |      |        |  |
|         | 0.14  | Cu.m   | Lime mortar 1:2                         |      | Cu.m |        |  |
|         | 0.008   | Cu.m   | Lime                                    |      | Cu.m |        |  |
|         | 1.10  | Nos.   | Mason I Class                           |      | Each |        |  |
|         | 0.50  | Nos.   | Mazdoor Category I                      |      | Each |        |  |
|         | 1.10  | Nos.   | Mazdoor Category II                     |      | Each |        |  |
|         |   |  | Total for 10 sq.m.                      |      |      |        |  |
|         |   |  | Sub Total for 1 sq.m (X)                |      |      |        |  |
|         |   |  | Add water charges @1% of<br>Sub Total X |      |      |        |  |
|         |   |  | Rate for 1sq.m.                         |      |      |        |  |
|         |   | <b>Note 10: Same rate applies to Brick work and Stone work vide standard specification. If extra rate for ceiling plastering is necessary in K-2 repair works, data may be supplemented as necessary</b> |   |      |      |        |  |
| 292     | <b>Plastering</b> with Lime Mortar <b>1:2 , Two Coats, 20mm thick</b> etc. complete complying with standard specification and as directed by the departmental officers.   |  |   |      |      |        |  |
|         | 0.18  | Cu.m   | Lime mortar 1:2                         |      | Cu.m |        |  |
|         | 0.04  | Cu.m   | Lime mortar 1:1.5                       |      | Cu.m |        |  |
|         | 0.008   | Cu.m   | Lime                                    |      | Cu.m |        |  |
|         | 2.20  | Nos.   | Mason I Class                           |      | Each |        |  |
|         | 0.50  | Nos.   | Mazdoor Category I                      |      | Each |        |  |
|         | 3.20  | Nos.   | Mazdoor Category II                     |      | Each |        |  |
|         |   |  | Total for 10 sq.m.                      |      |      |        |  |
|         |   |  | Sub Total for 1 sq.m (X)                |      |      |        |  |
|         |   |  | Add water charges @1% of<br>Sub Total X |      |      |        |  |
|         |   |  | Rate for 1sq.m.                         |      |      |        |  |
|         |   | <b>Note 11: Same note as for plastering with lime mortar 1 coat, 12mm thick</b>  |   |      |      |        |  |
| 293     | <b>Plastering</b> with Lime Mortar <b>1:2 , Three Coats, 25mm thick</b> etc. complete complying with standard specification and as directed by the departmental officers. |  |   |      |      |        |  |
|         | 0.18  | Cu.m   | Lime mortar 1:2                         |      | Cu.m |        |  |
|         | 0.08  | Cu.m   | Lime mortar 1:1.5                       |      | Cu.m |        |  |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         | 0.02   | Cu.m | Lime  |      | Cu.m |        |
|         | 3.20   | Nos. | Mason I Class   |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category I  |      | Each |        |
|         | 5.40   | Nos. | Mazdoor Category II   |      | Each |        |
|         |  |      | Total for 10 sq.m.  |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1sq.m.   |      |      |        |
|         |  |      | <b>Note 12: Same note as for plastering with lime mortar 1 coat, 12mm thick</b> |      |      |        |
| 294     | <b>Plastering</b> with Surki Mortar <b>1:0.5:1.5</b> , <b>One Coat, 20mm thick</b> etc. complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         | 0.14   | Cu.m | Surki mortar 1:0.5:1.5  |      | Cu.m |        |
|         | 0.008  | Cu.m | Lime  |      | Cu.m |        |
|         | 1.10   | Nos. | Mason I Class   |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I  |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category II   |      | Each |        |
|         |  |      | Total for 10 sq.m.  |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X  |      |      |        |
|         |  |      | Rate for 1sq.m.   |      |      |        |
|         |  |      | <b>Note 13: Same note as for plastering with lime mortar 1 coat, 12mm thick</b> |      |      |        |
| 295     | <b>Plastering</b> with Surki Mortar (1:0.5:1.5) , <b>two Coats, 20mm thick</b> etc. complete complying with standard specification and as directed by the departmental officers.     |      |   |      |      |        |
|         | 0.18   | Cu.m | Surki mortar 1:0.5:0.5  |      | Cu.m |        |
|         | 0.04   | Cu.m | Surki mortar 1:0.5:1  |      | Cu.m |        |
|         | 0.008  | Cu.m | Lime  |      | Cu.m |        |
|         | 2.20   | Nos. | Mason I Class   |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I  |      | Each |        |
|         | 3.20   | Nos. | Mazdoor Category II   |      | Each |        |
|         |  |      | Total for 10 sq.m.  |      |      |        |

| Sl. No. | Qty.  | Unit  | Description                          | Rate | Per  | Amount |
|---------|---|---|--------------------------------------|------|------|--------|
|         |   |   | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |   | Add water charges @1% of Sub Total X |      |      |        |
|         |   |   | Rate for 1sq.m.                      |      |      |        |
|         |   | <b>Note 14: Same note as for plastering with lime mortar 1 coat, 12mm thick</b> |                                      |      |      |        |
| 296     | Plastering the surface of walls with Cement Mortar <b>1:4</b> (One cement and Four plastering sand), <b>12mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used, curing etc., complete complying with standard specification and as directed by the departmental officers. |   |                                      |      |      |        |
|         | 0.14  | Cu.m  | Cement mortar 1:4                    |      | Cu.m |        |
|         | 1.10  | Nos.  | Mason I Class                        |      | Each |        |
|         | 0.50  | Nos.  | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos.  | Mazdoor Category II                  |      | Each |        |
|         |   |   | Total for 10 sq.m.                   |      |      |        |
|         |   |   | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |   | Add water charges @1% of Sub Total X |      |      |        |
|         |   |   | Rate for 1sq.m.                      |      |      |        |
| 2.70    | <b>Plastering</b> with Cement Mortar <b>1:5 (One cement and Five Plastering sand), 12mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used, curing etc. complete complying with standard specification and as directed by the departmental officers.                       |   |                                      |      |      |        |
|         | 0.14  | Cu.m  | Cement mortar 1:5                    |      | Cu.m |        |
|         | 1.10  | Nos.  | Mason I Class                        |      | Each |        |
|         | 0.50  | Nos.  | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos.  | Mazdoor Category II                  |      | Each |        |
|         |   |   | Total for 10 sq.m.                   |      |      |        |
|         |   |   | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |   | Add water charges @1% of Sub Total X |      |      |        |
|         |   |   | Rate for 1sq.m.                      |      |      |        |
| 298     | <b>Plastering</b> with Cement Mortar <b>1:6 (One cement and Six Plastering sand), 12mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used, curing etc. complete complying with standard specification and as directed by the departmental officers.                        |   |                                      |      |      |        |
|         | 0.14  | Cu.m  | Cement mortar 1:6                    |      | Cu.m |        |
|         | 1.10  | Nos.  | Mason I Class                        |      | Each |        |

| Sl. No. | Qty.  | Unit | Description                          | Rate | Per  | Amount |
|---------|---|------|--------------------------------------|------|------|--------|
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Total for 10 sq.m.                   |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1sq.m.                      |      |      |        |
| 299     | <b>Plastering with Cement Mortar 1:8 (One cement and Eight Plastering sand), 12mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used, curing etc. complete complying with standard specification and as directed by the departmental officers. |      |                                      |      |      |        |
|         | 0.14  | Cu.m | Cement mortar 1:8                    |      | Cu.m |        |
|         | 1.10  | Nos. | Mason I Class                        |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Total for 10 sq.m.                   |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1sq.m.                      |      |      |        |
| 300     | <b>Plastering with Cement Mortar 1:5 (One cement and Five Plastering sand), 15mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used, curing etc. complete complying with standard specification and as directed by the departmental officers.  |      |                                      |      |      |        |
|         | 0.17  | Cu.m | Cement mortar 1:5                    |      | Cu.m |        |
|         | 1.51  | Nos. | Mason I Class                        |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.89  | Nos. | Mazdoor Category II                  |      | Each |        |
|         |   |      | Total for 10 sq.m.                   |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X |      |      |        |
|         |   |      | Rate for 1sq.m.                      |      |      |        |
| 301     | <b>Plastering with Cement Mortar 1:5 (One cement and Five Plastering sand), 20mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used curing etc. complete complying with standard specification and as directed by the departmental officers.   |      |                                      |      |      |        |

| Sl. No. | Qty.   | Unit | Description                          | Rate | Per  | Amount |
|---------|--|------|--------------------------------------|------|------|--------|
|         | 0.22   | Cu.m | Cement mortar 1:5                    |      | Cu.m |        |
|         | 2.20   | Nos. | Mason I Class                        |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 3.20   | Nos. | Mazdoor Category II                  |      | Each |        |
|         |  |      | Total for 10 sq.m.                   |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X |      |      |        |
|         |  |      | Rate for 1sq.m.                      |      |      |        |
| 302     | <b>Special ceiling</b> plastering and finishing the exposed surface of all RCC items of work such as slabs, beams, sunshades, facia, canopy slab, staircase waist slab, landing slab etc., with Cement Mortar <b>1:3 (One Cement and Three Plastering Sand) 10mm thick</b> including mortar plasticizer at 200ml per 50Kg of cement used , hacking the surfaces and curing, etc., in all floors complying with standard specification and as directed by the departmental officers |      |                                      |      |      |        |
|         | 0.10   | Cu.m | Cement mortar 1:3                    |      | Cu.m |        |
|         | 1.10   | Nos. | Mason I Class                        |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category II                  |      | Each |        |
|         |  |      | Total for 10 sq.m.                   |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X |      |      |        |
|         |  |      | Rate for 1sq.m.                      |      |      |        |
| 303     | Plastering the surface of walls with Cement Mortar <b>1:3</b> (One cement and Three plastering sand), <b>12mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used, curing etc., complete complying with standard specification and as directed by the departmental officers.   |      |                                      |      |      |        |
|         | 0.14   | Cu.m | Cement mortar 1:3                    |      | Cu.m |        |
|         | 1.10   | Nos. | Mason I Class                        |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category II                  |      | Each |        |
|         |  |      | Total for 10 sq.m.                   |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X |      |      |        |
|         |  |      | Rate for 1sq.m.                      |      |      |        |

| Sl. No. | Qty.   | Unit  | Description                                    | Rate | Per                                    | Amount |
|---------|--|---|--|------|--|--------|
| 304     | Plastering the surface of walls with Cement Mortar <b>1:3 (One cement and Three plastering sand), 20mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used , curing etc., complete complying with standard specification and as directed by the departmental officers. |   |  |      |  |        |
|         | 0.22   | Cu.m  | Cement mortar 1:3                              |      | Cu.m                                   |        |
|         | 2.20   | Nos.  | Mason I Class                                  |      | Each                                   |        |
|         | 0.50   | Nos.  | Mazdoor Category I                             |      | Each                                   |        |
|         | 3.20   | Nos.  | Mazdoor Category II                            |      | Each                                   |        |
|         |  |   | Total for 10 sq.m.                             |      |  |        |
|         |  |   | Sub Total for 1 sq.m (X)                       |      |  |        |
|         |  |   | Add water charges @1% of Sub Total X           |      |  |        |
|         |  |   | Rate for 1sq.m.                                |      |  |        |
|         |  | <b>Note 15: Same note as for "Plastering with lime mortar 1 Coat,12mm thick. Labour mixing allowed for in the cost of mortar.</b> |  |      |  |        |
| 305     | Plastering the surface of walls with Cement Mortar <b>1:4 (One cement and Four plastering sand), 20mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used , curing etc., complete complying with standard specification and as directed by the departmental officers.  |   |  |      |  |        |
|         | 0.22   | Cu.m  | Cement mortar 1:4                              |      | Cu.m                                   |        |
|         | 2.20   | Nos.  | Mason I Class                                  |      | Each                                   |        |
|         | 0.50   | Nos.  | Mazdoor Category I                             |      | Each                                   |        |
|         | 3.20   | Nos.  | Mazdoor Category II                            |      | Each                                   |        |
|         |  |   | Total for 10 sq.m.                             |      |  |        |
|         |  |   | Sub Total for 1 sq.m (X)                       |      |  |        |
|         |  |   | Add water charges @1% of Sub Total X           |      |  |        |
|         |  |   | Rate for 1sq.m.                                |      |  |        |
| 306     | Plastering with Combination mortar 1:1:6 , <b>12mm thick</b> in all floors etc., complete complying with standard specification and as directed by the departmental officers.  |   |  |      |  |        |
|         | 33.6   | Kg  | Cement   |      | MT                                     |        |
|         | 0.019<br>m3 of<br>burnt<br>stone<br>(or)<br>0.015<br>m3 of<br>burnt<br>shell   | Cu.m  | Quick Lime Slaked in the form of Cream of Lime |      | cu.m<br><br>(as per<br>slaked<br>lime) |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per  | Amount |
|---------|---|------|--|------|------|--------|
|         | 0.14  | Cu.m | Sand   |      | Cu.m |        |
|         | 0.14  | Cu.m | Mixing Mortar  |      | Cu.m |        |
|         | 1.10  | Nos. | Mason I Class  |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 1.10  | Nos. | Mazdoor Category II  |      | Each |        |
|         |   |      | Sundries for Preparing Cream of Lime   |      | LS   |        |
|         |   |      | Total for 10 sq.m.   |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | Rate for 1sq.m.  |      |      |        |
|         |   |      | <b>Note 16: The quantity of burnt stone or shell given above is for certain tested Madras Varieties. The exact quantity required shall be determined by experiment in each locality.</b> |      |      |        |
| 307     | Plastering with Combination mortar 1:1:6 , <b>20mm thick</b> in all floors etc., complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|         | 53  | Kg   | Cement   |      | MT   |        |
|         | 0.029 m3 of burnt stone (or) 0.024 m3 of burnt shell  | Cu.m | Quick Lime Slaked in the form of Cream of Lime   |      | Cu.m |        |
|         | 0.22  | Cu.m | Sand   |      | Cu.m |        |
|         | 0.22  | Cu.m | Mixing Mortar  |      | Cu.m |        |
|         | 2.20  | Nos. | Mason I Class  |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I   |      | Each |        |
|         | 3.20  | Nos. | Mazdoor Category II  |      | Each |        |
|         |   |      | Sundries for Preparing Cream of Lime   |      | LS   |        |
|         |   |      | Total for 10 sq.m.   |      |      |        |
|         |   |      | Sub Total for 1 sq.m (X)   |      |      |        |
|         |   |      | Add water charges @1% of Sub Total X   |      |      |        |
|         |   |      | Rate for 1sq.m.  |      |      |        |

| Sl. No. | Qty.   | Unit   | Description                          | Rate | Per  | Amount |
|---------|--|--|--------------------------------------|------|------|--------|
|         |  | <b>Note 17: The quantity of burnt stone or shell given above is for certain tested Madras Varieties. The exact quantity required shall be determined by experiment in each locality.</b> |                                      |      |      |        |
| 308     | <b>Madras Plastering</b> , etc., complete complying with standard specifications |  |                                      |      |      |        |
|         | 0.07   | Cu.m   | Shell Lime                           |      | Cu.m |        |
|         | 0.06   | Cu.m   | Sand (Ground fine)                   |      | Cu.m |        |
|         | 0.006  | Cu.m   | Powdered Marble                      |      | Cu.m |        |
|         | 0.61   | Kg   | Soap Stone                           |      | Kg   |        |
|         | 1.10   | Nos.   | Mason I Class                        |      | Each |        |
|         | 3.20   | Nos.   | Mason II Class                       |      | Each |        |
|         | 2.20   | Nos.   | Mazdoor Category I                   |      | Each |        |
|         | 10.8   | Nos.   | Mazdoor Category II                  |      | Each |        |
|         |  |  | Sundries                             |      | LS   |        |
|         |  |  | Total for 10 sq.m.                   |      |      |        |
|         |  |  | Sub Total for 1 sq.m (X)             |      |      |        |
|         |  |  | Add water charges @1% of Sub Total X |      |      |        |
|         |  |  | Rate for 1sq.m.                      |      |      |        |
|         |  | <b>Note 18: The above data is exclusive of one coat of lime plaster on which madras plaster is applied.</b>  |                                      |      |      |        |
| 309     | <b>Moghul Plastering</b> , etc., complete complying with standard specifications |  |                                      |      |      |        |
|         | 0.22   | Cu.m   | Lime                                 |      | Cu.m |        |
|         | 0.17   | Cu.m   | Sand                                 |      | Cu.m |        |
|         | 0.06   | Cu.m   | Surki                                |      | Cu.m |        |
|         | 0.22   | Cu.m   | Grinding Mortar                      |      | Cu.m |        |
|         | 5.90   | kg   | Jaggery                              |      | kg   |        |
|         | 20.00  | Kg   | Glue                                 |      | Kg   |        |
|         | 1.10   | Kg   | Galluntt                             |      | Kg   |        |
|         | 1.40   | Kg   | Oakum                                |      | Kg   |        |
|         | 1.40   | Nos.   | Mason I Class                        |      | Each |        |
|         | 2.20   | Nos.   | Mazdoor Category I                   |      | Each |        |
|         | 8.50   | Nos.   | Mazdoor Category II                  |      | Each |        |

| Sl. No. | Qty.   | Unit | Description                               | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         |  |      | Sundries                                  |      | LS   |        |
|         |  |      | Total for 10 sq.m.                        |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)                  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X      |      |      |        |
|         |  |      | Rate for 1sq.m.                           |      |      |        |
| 310     | <b>Mud Plastering</b> , 6 mm thick etc., complete complying with standard specifications   |      |   |      |      |        |
|         | 0.07   | Cu.m | Tempered Clay, Chopped Straw and Cow Dung |      | Cu.m |        |
|         | 1.10   | Nos. | Mason II Class                            |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category I                        |      | Each |        |
|         |  |      | Sundries                                  |      | LS   |        |
|         |  |      | Total for 10 sq.m.                        |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)                  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X      |      |      |        |
|         |  |      | Rate for 1sq.m.                           |      |      |        |
| 311     | Plastering with Cement Mortar <b>1:3</b> (One Cement and Three Plastering Sand) <b>12mm thick mixed with water proofing compound</b> conforming to BIS at 2% by weight of cement used including mortar plasticizer at 200ml per 50Kg of cement used, finishing, curing, etc., complete in all floors complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         | 0.14   | Cu.m | Cement mortar 1:3                         |      | Cu.m |        |
|         | 1.34   | Kg   | Water proofing compound                   |      | Kg   |        |
|         | 1.10   | Nos. | Mason I Class                             |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I                        |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category II                       |      | Each |        |
|         |  |      | Total for 10 sq.m.                        |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)                  |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X      |      |      |        |
|         |  |      | Rate for 1sq.m.                           |      |      |        |
| 312     | Plastering with Cement Mortar <b>1:3 (One Cement and Three Plastering Sand) 20mm thick mixed with water proofing compound</b> conforming to BIS at 2% by weight of cement used including mortar plasticizer at 200ml per 50Kg of cement used, finishing, curing, etc., complete in all floors complying with standard specification and as directed by the departmental officers.        |      |   |      |      |        |

| Sl. No. | Qty.   | Unit | Description                          | Rate | Per  | Amount |
|---------|--|------|--------------------------------------|------|------|--------|
|         | 0.22   | Cu.m | Cement mortar 1:3                    |      | Cu.m |        |
|         | 2.11   | Kg   | Water proofing compound              |      | Kg   |        |
|         | 2.20   | Nos. | Mason I Class                        |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 3.20   | Nos. | Mazdoor Category II                  |      | Each |        |
|         |  |      | Total for 10 sq.m.                   |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X |      |      |        |
|         |  |      | Rate for 1sq.m.                      |      |      |        |
| 313     | Plastering the surface of walls with Cement Mortar <b>1:5 (One cement and Five plastering sand), 20mm thick</b> in all floors including mortar plasticizer at 200ml per 50Kg of cement used , curing etc., complete complying with standard specification and as directed by the departmental officers.  |      |                                      |      |      |        |
|         | 0.22   | Cu.m | Cement mortar 1:5                    |      | Cu.m |        |
|         | 2.20   | Nos. | Mason I Class                        |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I                   |      | Each |        |
|         | 3.20   | Nos. | Mazdoor Category II                  |      | Each |        |
|         |  |      | Total for 10 sq.m.                   |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)             |      |      |        |
|         |  |      | Add water charges @1% of Sub Total X |      |      |        |
|         |  |      | Rate for 1sq.m.                      |      |      |        |
| 314     | Plastering with CM 1:5 (One Cement and Five Fine sand), 20 mm thick on external surfaces of all floors in two coats in accordance with IS 1661:1972. The base coat shall be provided with 12mm thick and the top coat shall be provided with 8mm thick. The cost inclusive of cost of all material, Labours involved in all floors, mortar plasticizer at 200ml per 50 kg of cement used, curing etc., complete complying with standard specification and as directed by the department officers |      |                                      |      |      |        |
|         | 0.23   | Cu.m | Cemen Mortar 1:5                     |      | Cu.m |        |
|         | 2.20   | Nos  | Mason I Class                        |      | Each |        |
|         | 1.00   | Nos  | Mazdoor Category I                   |      | Each |        |
|         | 3.20   | Nos  | Mazdoor Category II                  |      | Each |        |
|         |  |      | Total for 10sq.m                     |      |      |        |
|         |  |      | Sub Total for 1 sq.m (X)             |      |      |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         |  |       | Add water charges @1% of Sub Total X                   |      |       |        |
|         |  |       | Rate for 1 sq.m.                                       |      |       |        |
| 315     | <b>Stucco plastering 12mm thick using blue granite chips of size 10mm and below</b> over a base plastering with cement mortar 1:5, 12mm thick, etc., complete complying with standard specifications |       |  |      |       |        |
|         | 10.00  | sq.m. | Plastering with cement mortar 1:5, 12mm thick for base |      | sq.m. |        |
|         | 0.15   | Cu.m  | Blue granite chips 6 - 10 mm thick                     |      | Cu.m  |        |
|         | 72.00  | Kgs   | Cement   |      | MT    |        |
|         | 14.50  | Kgs   | Cement for slurry                                      |      | MT    |        |
|         | 1.60   | Nos.  | Mason I Class  |      | Each  |        |
|         | 0.50   | Nos.  | Mazdoor Category I                                     |      | Each  |        |
|         | 1.10   | Nos.  | Mazdoor Category II                                    |      | Each  |        |
|         |  |       | Total for 10 sq.m.                                     |      |       |        |
|         |  |       | Sub Total for 1 sq.m (X)                               |      |       |        |
|         |  |       | Add water charges @1% of Sub Total X                   |      |       |        |
|         |  |       | Rate for 1sq.m.  |      |       |        |

## ROOFING AND CEILING

| Sl. No. | Qty.   | Unit | Description                                     | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
| 316     | Weathering course in brick jelly lime concrete using broken brick jelly of size 20mm uniform gauge in pure slaked lime (no crushed stone sand to be used) to the proportion of brick jelly to lime being 32:12.5 by volume and laid over the RCC roof slab in a single layer of required slope and finished by beating the concrete with wooden beaters of approved pattern, keeping the surface constantly wet by sprinkling lime jaggery water, etc., complete as per standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         | 12.80  | Cu.m | Brick Jelly (20mm gauge)                        |      | Cu.m |        |
|         | 5.00   | Cu.m | Slaked lime                                     |      | Cu.m |        |
|         | 1.80   | Nos. | Mason I Class                                   |      | Each |        |
|         | 17.70  | Nos. | Mazdoor Category I                              |      | Each |        |
|         | 14.10  | Nos. | Mazdoor Category II                             |      | Each |        |
|         |  | LS   | Sundries for wooden beaters, lime jaggery water |      | LS   |        |
|         |  |      | Total for 10 Cu.m                               |      |      |        |
|         |  |      | <b>Sub Total for 1 Cu.m (X)</b>                 |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>     |      |      |        |
|         |  |      | <b>Rate for 1 cu.m</b>                          |      |      |        |
| 317     | Finishing the top of roof with one course of machine pressed tiles of following size of approved quality set in Cement Mortar 1:3 (One Cement and Three Crushed stone Sand) 12mm thick mixed with water proofing compound conforming to ISS at 2% by weight of cement used and the joints pointed neatly to full depth of tiles with the same cement mortar mixed with red oxide and water proofing compound including curing etc., complete complying with standard specification and as directed by the departmental officers              |      |   |      |      |        |
|         |  |      | Sub-Data for Pointing with Cement Mortar 1:3    |      |      |        |
|         | 0.04   | Cu.m | Cement Mortar 1:3                               |      | Cu.m |        |
|         | 0.38   | Kg   | Water Proofing Compound                         |      | Kg   |        |
|         | 2.20   | Nos. | Mason II Class                                  |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I                              |      | Each |        |
|         | 1.10   | Nos. | Mazdoor Category II                             |      | Each |        |
|         |  | LS   | Add for red oxide etc.,                         |      | LS   |        |
|         |  |      | Total for 10 sq.m.                              |      |      |        |
|         |  |      | Rate for 1 sq.m.                                |      |      |        |
|         |  |      |   |      |      |        |

| Sl. No. | Qty.   | Unit      | Description   | Rate | Per      | Amount |
|---------|--|-----------|---|------|----------|--------|
|         |  |           | <b>Main Data</b>  |      |          |        |
|         |  | <b>a.</b> | <b>Using Pressed Tiles of 230mm x 230mm x 16 mm to 18mm</b>                                     |      |          |        |
|         | 189.00   | Nos.      | Pressed Tiles of size 230mm x 230mm x 16 mm to 18mm   |      | 1000 Nos |        |
|         | 0.12   | Cu.m      | Cement Mortar 1:3   |      | Cu.m     |        |
|         | 10.00  | sq.m.     | Pointing with Cement Mortar 1:3   |      | sq.m.    |        |
|         | 1.15   | Kg        | Water Proofing Compound   |      | Kg       |        |
|         | 1.10   | Nos.      | Mason I Class   |      | Each     |        |
|         | 2.10   | Nos.      | Mason II Class  |      | Each     |        |
|         | 2.20   | Nos.      | Mazdoor Category I  |      | Each     |        |
|         | 1.10   | Nos.      | Mazdoor Category II   |      | Each     |        |
|         |  |           | Total for 10 sq.m.  |      |          |        |
|         |  |           | <b>Sub Total for 1 sq.m. (X)</b>  |      |          |        |
|         |  |           | <b>Add water charges @1% of Sub Total X</b>   |      |          |        |
|         |  |           | <b>Rate for 1sq.m.</b>  |      |          |        |
|         |  | <b>b.</b> | <b>Using Pressed Tiles of size 200mm x 200mm x 16mm to 18mm</b>                                 |      |          |        |
|         | 250.00   | Nos.      | Pressed Tiles of size 200mm x 200mm x 16mm to 18mm  |      | 1000 Nos |        |
|         | 10.00  | sq.m.     | Cost of Labour , Mortar and water proofing compound without water charges as per above item (a) |      | sq.m.    |        |
|         |  |           | TOTAL   |      |          |        |
|         |  |           | <b>Sub Total for 1 sq.m. (X)</b>  |      |          |        |
|         |  |           | <b>Add water charges @1% of Sub Total X</b>   |      |          |        |
|         |  |           | <b>Rate for 1 sq.m.</b>   |      |          |        |
| 318     | Paving the Top of roof with Solar refelective ceramic tiles of approved quality and colour laid in Cement mortar bed in 1:3 (One cement and three crushed stone sand) 12mm thick and pointed with water resistant tile epoxy grout for joint, curing etc., complete complying with standard specification and as directed by the departmental officers. (The make and brand of the tiles should be got approved by the Executive Engineer before use on works) |           |   |      |          |        |
|         | 10.00  | sq.m      | Solar refelective ceramic tiles of size:  |      | sq.m     |        |
|         | 0.14   | cu.m      | Cement Mortar 1:3   |      | cu.m     |        |
|         | 1.10   | Nos.      | Mason I Class   |      | Nos.     |        |

| Sl. No. | Qty.  | Unit  | Description                                 | Rate | Per   | Amount |
|---------|---|-------|---|------|-------|--------|
|         | 2.700   | Nos.  | Mason II Class                              |      | Nos.  |        |
|         | 2.700   | Nos.  | Mazdoor Category I                          |      | Nos.  |        |
|         | 3.30  | Nos.  | Mazdoor Category II                         |      | Nos.  |        |
|         | 4.00  | Kg    | Water resistant tile epoxy grout            |      | Kg    |        |
|         |   |       | TOTAL                                       |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m. (X)</b>            |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1 sq.m.</b>                     |      |       |        |
| 319     | Finishing the top of sloped roof, sun-shade with Machine Pressed Ornamental / Decorative Tiles of approved quality laid in cement mortar 1:3, 20mm thick mixed with WPC at 2% by weight of cement used and top pointed with the same red oxide mixed mortar etc complete, complying with standard specifications and as directed by the departmental officers.  |       |   |      |       |        |
|         |   |       | Main Data                                   |      |       |        |
|         | 10.00   | sq.m. | Cost of Ornamental/Decorative pressed Tiles |      | sq.m. |        |
|         | 0.25  | Cu.m  | Cement Mortar 1:3                           |      | Cu.m  |        |
|         | 10.00   | sq.m. | Pointing with Cement Mortar 1:3             |      | sq.m. |        |
|         | 2.40  | Kg    | Water Proofing Compound                     |      | Kg    |        |
|         | 3.50  | Nos.  | Mason I Class                               |      | Each  |        |
|         | 2.50  | Nos.  | Mazdoor Category I                          |      | Each  |        |
|         | 2.25  | Nos.  | Mazdoor Category II                         |      | Each  |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m. (X)</b>            |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1 sq.m.</b>                     |      |       |        |
| 320     | Supplying , fixing and roofing with fully corrugated asbestos cement sheets (grey colour) of approved quality by drilling holes (and not by punching) with necessary 'J' / 'U' bolts and nuts of 8mm dia of suitable length and providing one set of bitumen washers of 25mm dia and 1.60mm thick for each bolt including protruding portion of bolts in roof shall be covered with bitumen compound etc., complete complying with standard specification and as directed by the departmental officers. |       |   |      |       |        |
|         | 11.00   | sq.m. | Cost of AC Sheet with thickness :           |      | sq.m. |        |
|         | 30.00   | Nos.  | U / J bolts, Nuts                           |      | Each  |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per       | Amount |
|---------|--|------|--|------|-----------|--------|
|         | 30.00  | Nos. | Bitumen washers  |      | Each      |        |
|         | 2.20   | Nos. | Fitter II Class  |      | Each      |        |
|         | 1.10   | Nos. | Carpentor I Class                                      |      | Each      |        |
|         | 3.20   | Nos. | Mazdoor Category I                                     |      | Each      |        |
|         |  | LS   | Sundries for white lead, etc.                          |      |           |        |
|         |  |      | Total for 10 sq.m.                                     |      |           |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>                       |      |           |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>            |      |           |        |
|         |  |      | <b>Rate for 1 sq.m.</b>                                |      |           |        |
| 321     | Supplying , fixing and roofing with colour galvalume sheet of 0.47mm thick with all necessary accessories such as J/V bolt and nuts of suitable <b>length with suitable bitumen washers</b> complete complying with standard specification and as directed by the departmental officers. |      |  |      |           |        |
|         | 11.00  | sq.m | Colour galvanum sheet roof of 0.47mm thick             |      | sq.m      |        |
|         | 2.20   | nos  | Fitter II class  |      | Each      |        |
|         | 1.10   | nos  | Carpener I class                                       |      | Each      |        |
|         | 3.20   | nos  | Mazdoor Category I                                     |      | Each      |        |
|         | 30.00  | nos  | U or J bolt and Bitumen washer                         |      | Each      |        |
|         |  | LS   | Conveyance charges                                     |      | LS        |        |
|         |  | LS   | Priming coat charges                                   |      | LS        |        |
|         |  |      | Rate for 10 sq.m                                       |      |           |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                        |      |           |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>            |      |           |        |
|         |  |      | <b>Rate for 1 sq.m</b>                                 |      |           |        |
| 322     | <b>Best Tiled roofing with flat and pan tiles and Lime Mortar border including teak reepers</b>  |      |  |      |           |        |
|         | 1560.00  | Nos. | Pan Tiles ( 23cm x (14+13)/2 cm x 12mm ) (See note 19) |      | 1000 Nos. |        |
|         | 450.00   | Nos. | Flat Tiles ( 15cm x 15cm x 12mm)                       |      | 1000 Nos. |        |
|         | 74.00  | Rm   | Teak Reepers ( 5cm x 12mm )(See note 20)               |      | Rm        |        |
|         | 0.50   | Kg   | Reeper nails ( 40mm long)                              |      | Kg        |        |

| Sl. No. | Qty.  | Unit | Description   | Rate | Per       | Amount |
|---------|---|------|---|------|-----------|--------|
|         | 0.008   | Cu.m | Lime  |      | Cu.m      |        |
|         | 0.30  | Cu.m | Lime mortar   |      | Cu.m      |        |
|         | 0.80  | Nos. | Carpenter I Class (See note 21)   |      | Each      |        |
|         | 1.10  | Nos. | Mason I Class   |      | Each      |        |
|         | 1.10  | Nos. | Mason II Class  |      | Each      |        |
|         | 1.10  | Nos. | Mazdoor Category - I  |      | Each      |        |
|         | 5.40  | Nos. | Mazdoor Category -II  |      | Each      |        |
|         |   |      | Sundries including tarring reepers extra labour for pointing the underside of flat tiles and white washing the same |      | LS        |        |
|         |   |      | Total for 10 sq.m.  |      |           |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>  |      |           |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>   |      |           |        |
|         |   |      | <b>Rate for 1 Sq.m</b>  |      |           |        |
| 323     | <b>Best Tiled roofing with Pan tiles with Lime Mortar borders including teak reepers at 10cm centers</b>                      |      |   |      |           |        |
|         | 1560.00   | Nos. | Pan Tiles ( 23cm x (14+13)/2 cm x 12mm ) (See note 19)  |      | 1000 Nos. |        |
|         | 107.00  | Rm   | Teak Reepers (5cm x 12mm ) (See note 20)  |      | Rm        |        |
|         | 0.73  | Kg   | Reeper nails (40mm long)  |      | Kg        |        |
|         | 0.12  | Cu.m | Lime mortar   |      | Cu.m      |        |
|         | 1.10  | Nos. | Carpenter I Class (See note 21)   |      | Each      |        |
|         | 1.30  | Nos. | Mason II Class  |      | Each      |        |
|         | 1.10  | Nos. | Mazdoor Category - I  |      | Each      |        |
|         | 3.20  | Nos. | Mazdoor Category -II  |      | Each      |        |
|         |   |      | Sundries including tarring reepers  |      | LS        |        |
|         |   |      | Total for 10 sq.m.  |      |           |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>  |      |           |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>   |      |           |        |
|         |   |      | <b>Rate for 1 Sq.m</b>  |      |           |        |
| 324     | <b>Best Tiled roofing with Pan tiles,laid on bamboo rafters, bamboo reepers and bamboo mats including Lime mortar borders</b> |      |   |      |           |        |

| Sl. No. | Qty.   | Unit | Description                                   | Rate | Per       | Amount |
|---------|--|------|---|------|-----------|--------|
|         | 1560.00  | Nos. | Pan Tiles (23cm x (14+13)/2 cm x 12mm)        |      | 1000 Nos. |        |
|         | 23.00  | Rm   | Bamboo rafters-8 to 10 cm dia (45cm apart)    |      | Rm        |        |
|         | 148.00   | Rm   | Bamboo Reepers split ( 2.5 cm dia)            |      | Rm        |        |
|         | 10.50  | Sq.m | Bamboo mats                                   |      | Sq.m      |        |
|         | 0.12   | Cu.m | Lime mortar                                   |      | Cu.m      |        |
|         | 1.30   | Nos. | Mason II Class                                |      | Each      |        |
|         | 1.10   | Nos. | Mazdoor Category - I                          |      | Each      |        |
|         | 3.20   | Nos. | Mazdoor Category -II                          |      | Each      |        |
|         | 1.10   | Nos. | Carpenter I Class                             |      | Each      |        |
|         |  |      | Sundries including nails                      |      | LS        |        |
|         |  |      | Total for 10 sq.m.                            |      |           |        |
|         |  |      | <b>Sub Tota for 1 sq.m. (X)</b>               |      |           |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>   |      |           |        |
|         |  |      | <b>Rate for 1 Sq.m</b>                        |      |           |        |
| 325     | <b>Best Tiled roofing with Pan tiles,laid on bamboo rafters and split bamboo reepers not less than 4cm - wide including Lime mortar borders etc ..complete</b> |      |   |      |           |        |
|         | 1560.00  | Nos. | Pan Tiles ( 23cm x (14+13)/2 cm x 12mm )      |      | 1000 Nos. |        |
|         | 23.00  | Rm   | Bamboo rafters-8 to 10 cm dia (45cm apart)    |      | Rm        |        |
|         | 148.00   | Rm   | Bamboo Reepers split - 4cm wide ( 2.5 cm dia) |      | Rm        |        |
|         | 0.12   | Cu.m | Lime mortar                                   |      | Cu.m      |        |
|         | 1.30   | Nos. | Mason II Class                                |      | Each      |        |
|         | 1.10   | Nos. | Mazdoor Category - I                          |      | Each      |        |
|         | 3.20   | Nos. | Mazdoor Category -II                          |      | Each      |        |
|         | 1.10   | Nos. | Carpenter I Class                             |      | Each      |        |
|         | 2.00   | kg   | Nails for fixing split reepers                |      | kg        |        |
|         |  |      | Sundries                                      |      | LS        |        |
|         |  |      | Total for 10 sq.m.                            |      |           |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>              |      |           |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per       | Amount |
|---------|---|------|--|------|-----------|--------|
|         |   |      | <b>Add water charges @1% of Sub Total X</b>            |      |           |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                                 |      |           |        |
| 326     | <b>Removing the tiles and retiling with new Pan tiles over old Teak wood reepers including new white washed Lime Mortar borders</b> |      |  |      |           |        |
|         | 1560.00   | Nos. | Pan Tiles ( 23cm x (14+13)/2 cm x 12mm ) (See Note 19) |      | 1000 Nos. |        |
|         | 0.12  | Cu.m | Lime mortar  |      | Cu.m      |        |
|         | 1.30  | Nos. | Mason II Class   |      | Each      |        |
|         | 1.10  | Nos. | Mazdoor Category - I                                   |      | Each      |        |
|         | 4.30  | Nos. | Mazdoor Category -II                                   |      | Each      |        |
|         |   |      | Sundries   |      | LS        |        |
|         |   |      | Total for 10 sq.m.                                     |      |           |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>                       |      |           |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>            |      |           |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                                 |      |           |        |
| 327     | Shifting pan Tiles ( Labour only )  |      |  |      |           |        |
|         | 1.10  | Nos. | Mason II Class   |      | Nos.      |        |
|         | 0.80  | Nos. | Mazdoor Category - I                                   |      | Nos.      |        |
|         |   |      | Total for 10 sq.m.                                     |      |           |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>                       |      |           |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>            |      |           |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                                 |      |           |        |
|         |   |      |  |      |           |        |
| 328     | Shifting pan Tiles and forming new white washed Lime Mortar borders 23 cm x 5cm at 2m Interval                                      |      |  |      |           |        |
|         | 1.10  | Nos. | Mason II Class   |      | Nos.      |        |
|         | 0.80  | Nos. | Mazdoor Category - I                                   |      | Nos.      |        |
|         |   |      | Lime Mortar borders and white washing                  |      | LS        |        |
|         |   |      | Total for 10 sq.m.                                     |      |           |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>                       |      |           |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>            |      |           |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per       | Amount |
|---------|--|------|--|------|-----------|--------|
|         |  |      | <b>Rate for 1 Sq.m</b>   |      |           |        |
| 329     | <b>Best Tiled roofing with Mangalore tiles, set in mortar over flat tiles and including teak reepers</b> |      |  |      |           |        |
|         | 160.00   | Nos. | Mangalore tiles (See Note 19)  |      | 1000 Nos. |        |
|         | 450.00   | Nos. | Flat Tiles ( 15cm x 15cm x 12mm)   |      | 1000 Nos. |        |
|         | 74.00  | Rm   | Teak Reepers ( 5cm x 12mm )  |      | Rm        |        |
|         | 0.49   | Kg   | Wire nails ( 40mm long)  |      | Kg        |        |
|         | 0.008  | Cu.m | Lime   |      | Cu.m      |        |
|         | 0.37   | Cu.m | Lime mortar  |      | Cu.m      |        |
|         | 0.80   | Nos. | Carpenter I Class  |      | Each      |        |
|         | 1.10   | Nos. | Mason I Class  |      | Each      |        |
|         | 0.50   | Nos. | Mason II Class   |      | Each      |        |
|         | 1.10   | Nos. | Mazdoor Category - I   |      | Each      |        |
|         | 4.30   | Nos. | Mazdoor Category -II   |      | Each      |        |
|         |  |      | Sundries including tarring reepers , iron wind-ties 32 mm x 8mm G.I screws washers etc..and extra labour for pointing the underside of flat tiles and white washing the same |      | LS        |        |
|         |  |      | Total for 10 sq.m.   |      |           |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>   |      |           |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>  |      |           |        |
|         |  |      | <b>Rate for 1 Sq.m</b>   |      |           |        |
| 330     | <b>Best Tiled Roofing With Mangalore Tiles, (including Teak Reepers</b>                                  |      |  |      |           |        |
|         | 160.00   | Nos  | Mangalore Tiles  |      | 1000 Nos  |        |
|         | 36.00  | Rm   | Teak Reepers ( 5cm x 25mm ) (See Note 20)  |      | Rm        |        |
|         | 0.49   | Kg   | Reeper Nails (50 mm long)  |      | Kg        |        |
|         | 0.09   | Cu.m | Lime Mortar  |      | Cu.m      |        |
|         | 0.50   | Nos  | Carpenter- I Class (See Note 21)   |      | Each      |        |
|         | 0.50   | Nos  | Masons II Class  |      | Each      |        |
|         | 1.10   | Nos  | Mazdoor Category - I   |      | Each      |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per      | Amount |
|---------|--|------|---|------|----------|--------|
|         | 2.20   | Nos  | Mazdoor Category -II  |      | Each     |        |
|         |  |      | Sundries including Wind-Ties, Screws, Washers, etc  |      | LS       |        |
|         |  |      | Total for 10 sq.m.  |      |          |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>  |      |          |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>   |      |          |        |
|         |  |      | <b>Rate for 1 Sq.m</b>  |      |          |        |
| 331     | <b>Best Tiled Roofing With Mangalore Tiles over Ceiling tiles of best quality including Teak Reepers</b>                             |      |   |      |          |        |
|         | 160.00   | Nos  | Mangalore Tiles   |      | 1000 Nos |        |
|         | 250.00   | Nos  | Ceiling tiles of best quality (20cm x 20cm x20mm)   |      | 1000 Nos |        |
|         | 36.00  | Rm   | Teak Reepers ( 5cm x 25mm ) (See Note 20)   |      | Rm       |        |
|         | 0.49   | Kg   | Reeper Nails (50 mm long)   |      | Kg       |        |
|         | 0.09   | Cu.m | Lime Mortar   |      | Cu.m     |        |
|         | 0.50   | Nos  | Carpenter- I Class (See Note 21)  |      | Each     |        |
|         | 1.00   | Nos  | Masons II Class   |      | Each     |        |
|         | 1.10   | Nos  | Mazdoor Category - I  |      | Each     |        |
|         | 3.30   | Nos  | Mazdoor Category -II  |      | Each     |        |
|         |  |      | Sundries, etc   |      | LS       |        |
|         |  |      | Total for 10 sq.m.  |      |          |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>  |      |          |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>   |      |          |        |
|         |  |      | <b>Rate for 1 Sq.m</b>  |      |          |        |
|         |  |      | <b>Note 19: Includes allowances for cost of special tiles for ridges and hips</b>               |      |          |        |
|         |  |      | <b>Note 20: Size is for rafter placing 60cm C/C - Includes allowances for eaves and valleys</b> |      |          |        |
|         |  |      | <b>Note 21: Labour including fixing G.I Sheeting - Cost of sheet to be paid seperately.</b>     |      |          |        |
| 332     | <b>Madras Terrace Roofing with brick on edge, 75mm. Concrete, 3 Courses of Flat tiles, 3 coats of lime plaster to top and bottom</b> |      |   |      |          |        |
|         | 1940.00  | Nos  | Terrace Bricks (15 x 15 x2.5 cm)  |      | 1000 Nos |        |

| Sl. No. | Qty.  | Unit | Description                                    | Rate | Per      | Amount |
|---------|---|------|--|------|----------|--------|
|         | 1350.00   | Nos  | Flat Tiles (15 x 15 cmx12mm)                   |      | 1000 Nos |        |
|         | 0.98  | Cu.m | Broken Brick (20mm) (See Note :22)             |      | Cu.m     |        |
|         | 0.38  | Cu.m | Lime   |      | Cu.m     |        |
|         | 0.44  | Cu.m | Lime Mortar (1:1.5)                            |      | Cu.m     |        |
|         | 20.00   | Sq.m | Plastering 3 coats with Lime Mortar            |      | Sq.m     |        |
|         | 2.20  | Nos  | Mason- I Class                                 |      | Nos      |        |
|         | 3.20  | Nos  | Masons II Class                                |      | Nos      |        |
|         | 2.20  | Nos  | Mazdoor Category - I                           |      | Nos      |        |
|         | 5.40  | Nos  | Mazdoor Category -II                           |      | Nos      |        |
|         |   |      | Sundries, etc                                  |      | LS       |        |
|         |   |      | Total for 10 sq.m.                             |      |          |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>               |      |          |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>    |      |          |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                         |      |          |        |
| 333     | <b>Madras Terrace Roofing with brick on edge, 75mm. Concrete, 3 Courses of Flat tiles, 3 coats of lime plaster at top and 1 coat of cement Plaster (1:3) 15 mm. thick at bottom</b> |      |  |      |          |        |
|         | 1940.00   | Nos  | Terrace Bricks (15 x 15 x2.5 cm)               |      | 1000 Nos |        |
|         | 1350.00   | Nos  | Flat Tiles (15 x 15 cmx12mm)                   |      | 1000 Nos |        |
|         | 0.98  | Cu.m | Broken Brick (20mm) (See Note :22)             |      | Cu.m     |        |
|         | 0.38  | Cu.m | Lime   |      | Cu.m     |        |
|         | 0.44  | Cu.m | Lime Mortar (1:1.5)                            |      | Cu.m     |        |
|         | 10.00   | Sq.m | Plastering 3 coats with Lime Mortar            |      | Sq.m     |        |
|         | 10.00   | Sq.m | Plastering with cement Mortar(1:3) 15 mm thick |      | Sq.m     |        |
|         | 2.20  | Nos  | Mason- I Class                                 |      | Nos      |        |
|         | 3.20  | Nos  | Masons II Class                                |      | Nos      |        |
|         | 2.20  | Nos  | Mazdoor Category - I                           |      | Nos      |        |
|         | 5.40  | Nos  | Mazdoor Category -II                           |      | Nos      |        |
|         |   |      | Sundries, etc                                  |      | LS       |        |

| Sl. No. | Qty.   | Unit  | Description                                    | Rate | Per      | Amount |
|---------|--|---|--|------|----------|--------|
|         |  |   | Total for 10 sq.m.                             |      |          |        |
|         |  |   | <b>Sub Total for 1 sq.m. (X)</b>               |      |          |        |
|         |  |   | <b>Add water charges @1% of Sub Total X</b>    |      |          |        |
|         |  |   | <b>Rate for 1 Sq.m</b>                         |      |          |        |
|         |  | <b>Note 22: This allows for the brick powder formed, replacing the sand for the concrete layer.</b> |  |      |          |        |
| 334     | <b>Terraced Roofing with Brick on edge,75mm concrete,2 course of flat tiles to top and 1 coat of cement plaster (1:3) 15mm thick to bottom</b> |   |  |      |          |        |
|         | 1940.00  | Nos   | Terrace Bricks (15 x 7.5 x2.5 cm)              |      | 1000 Nos |        |
|         | 900.00   | Nos   | Flat Tiles (15 x 15 cmx12mm)                   |      | 1000 Nos |        |
|         | 0.21   | Cu.m  | Lime Mortar (1:1.5)                            |      | Cu.m     |        |
|         | 0.98   | Cu.m  | Broken Brick (20mm) (See Note :22)             |      | Cu.m     |        |
|         | 0.38   | Cu.m  | Lime   |      | Cu.m     |        |
|         | 10.00  | Sq.m  | Plastering with Cement Mortar (1:3)            |      | Sq.m     |        |
|         | 10.00  | Sq.m  | Plastering with cement Mortar(1:3) 15 mm thick |      | Sq.m     |        |
|         | 1.10   | Nos   | Mason- I Class                                 |      | Nos      |        |
|         | 3.20   | Nos   | Masons II Class                                |      | Nos      |        |
|         | 2.20   | Nos   | Mazdoor Category - I                           |      | Nos      |        |
|         | 4.30   | Nos   | Mazdoor Category -II                           |      | Nos      |        |
|         |  |   | Sundries including crude oil., etc             |      | LS       |        |
|         |  |   | Total for 10 sq.m.                             |      |          |        |
|         |  |   | <b>Sub Total for 1 sq.m. (X)</b>               |      |          |        |
|         |  |   | <b>Add water charges @1% of Sub Total X</b>    |      |          |        |
|         |  |   | <b>Rate for 1 Sq.m</b>                         |      |          |        |
| 335     | <b>Reinforced Concrete roofing ,125mm thick and Two courses of flat tiles to top.</b>  |   |  |      |          |        |
|         | 10x0.129   | Cu.m  | Reinforced Concrete roofing slab               |      | Cu.m     |        |
|         | 1000.00  | Nos   | Flat Tiles (15 x 15 cmx12mm)                   |      | 1000 Nos |        |
|         | 0.27   | Cu.m  | Cement Mortar (1:3)                            |      | Cu.m     |        |
|         | 13.00  | kg  | Crude Oil (See note :23)                       |      | kg       |        |

| Sl. No. | Qty.  | Unit | Description   | Rate | Per      | Amount |
|---------|---|------|---|------|----------|--------|
|         | 10.00   | Sq.m | Pointing with Cement Mortar (1:3)                           |      | Sq.m     |        |
|         | 1.10  | Nos  | Mason- I Class  |      | Nos      |        |
|         | 1.10  | Nos  | Masons II Class   |      | Nos      |        |
|         | 2.20  | Nos  | Mazdoor Category -II  |      | Nos      |        |
|         |   |      | Sundries etc  |      | LS       |        |
|         |   |      | Total for 10 sq.m.  |      |          |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>                            |      |          |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                 |      |          |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                                      |      |          |        |
| 336     | <b>Reinforced Concrete roofing ,140mm thick and Two courses of flat tiles to top.</b> |      |   |      |          |        |
|         | 10x0.129  | Cu.m | Reinforced Concrete roofing slab                            |      | Cu.m     |        |
|         | 1000.00   | Nos  | Flat Tiles (15 x 15 cmx12mm)                                |      | 1000 Nos |        |
|         | 0.27  | Cu.m | Cement Mortar (1:3)   |      | Cu.m     |        |
|         | 13.00   | kg   | Crude Oil (See Note :23)                                    |      | kg       |        |
|         | 10.00   | Sq.m | Pointing with Cement Mortar (1:3)                           |      | Sq.m     |        |
|         | 1.10  | Nos  | Mason- I Class  |      | Nos      |        |
|         | 1.10  | Nos  | Masons II Class   |      | Nos      |        |
|         | 2.20  | Nos  | Mazdoor Category -II  |      | Nos      |        |
|         | 10 x 0.015  | Cu.m | Add for Extra thickness of Reinforced Concrete roofing slab |      | Cu.m     |        |
|         |   |      | Sundries etc  |      | LS       |        |
|         |   |      | Total for 10 sq.m.  |      |          |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>                            |      |          |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                 |      |          |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                                      |      |          |        |
| 337     | <b>Reinforced Concrete roofing ,150mm thick and Two courses of flat tiles to top.</b> |      |   |      |          |        |
|         | 10x0.129  | Cu.m | Reinforced Concrete roofing slab                            |      | Cu.m     |        |
|         | 1000.00   | Nos  | Flat Tiles (15 x 15 cmx12mm)                                |      | 1000 Nos |        |
|         | 0.27  | Cu.m | Cement Mortar (1:3)   |      | Cu.m     |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per         | Amount |
|---------|--|------|--|------|-------------|--------|
|         | 13.00  | kg   | Crude Oil (See note:23)  |      | kg          |        |
|         | 10.00  | Sq.m | Pointing with Cement Mortar (1:3)                              |      | Sq.m        |        |
|         | 1.10   | Nos  | Mason- I Class   |      | Nos         |        |
|         | 1.10   | Nos  | Masons II Class  |      | Nos         |        |
|         | 2.20   | Nos  | Mazdoor Category -II   |      | Nos         |        |
|         | 10 x<br>0.025  | Cu.m | Add for Extra thickness of Reinforced<br>Concrete roofing slab |      | Cu.m        |        |
|         |  |      | Sundries etc   |      | LS          |        |
|         |  |      | Total for 10 sq.m.   |      |             |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>                               |      |             |        |
|         |  |      | <b>Add water charges @1% of<br/>Sub Total X</b>                |      |             |        |
|         |  |      | <b>Rate for 1 Sq.m</b>   |      |             |        |
| 338     | <b>Terrace flooring with one course of pressed tiles 15cmx15cmx12mm using Cement Mortar (1:3) mixed with crude oil 10 percent by weight of cement and pointed with the same oiled mortar</b> |      |  |      |             |        |
|         | 450.00   | Nos  | Pressed Tiles ( 15cmx15cmx12mm )                               |      | 1000<br>nos |        |
|         | 0.12   | Cu.m | Cement Mortar (1:3)  |      | Cu.m        |        |
|         | 10.00  | Sq.m | Pointing with Cement Mortar (1:3)                              |      | Sq.m        |        |
|         | 5.80   | kg   | Crude Oil (See Note :23)                                       |      | kg          |        |
|         | 1.10   | Nos  | Mason- I Class   |      | Nos         |        |
|         | 2.10   | Nos  | Masons II Class  |      | Nos         |        |
|         | 2.20   | Nos  | Mazdoor Category -I  |      | Nos         |        |
|         | 1.10   | Nos  | Mazdoor Category -II   |      | Nos         |        |
|         |  |      | Sundries etc   |      | LS          |        |
|         |  |      | Total for 10 sq.m.   |      |             |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>                               |      |             |        |
|         |  |      | <b>Add water charges @1% of<br/>Sub Total X</b>                |      |             |        |
|         |  |      | <b>Rate for 1 Sq.m</b>   |      |             |        |
| 339     | <b>Terrace flooring with Two course of Flat tiles 15cmx15cmx12mm using Cement Mortar (1:3) mixed with crude oil 10 percent by weight of cement and pointed with the same oiled mortar</b>    |      |  |      |             |        |
|         | 900.00   | Nos  | Flat Tiles ( 15cmx15cmx12mm )                                  |      | 1000<br>nos |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per      | Amount |
|---------|---|------|--|------|----------|--------|
|         | 0.27  | Cu.m | Cement Mortar (1:3)  |      | Cu.m     |        |
|         | 13.00   | kg   | Crude Oil (See note :23)   |      | kg       |        |
|         | 10.00   | Sq.m | Pointing with Cement Mortar (1:3)  |      | Sq.m     |        |
|         | 1.10  | Nos  | Mason- I Class   |      | Each     |        |
|         | 1.10  | Nos  | Masons II Class  |      | Each     |        |
|         | 2.20  | Nos  | Mazdoor Category -II   |      | Each     |        |
|         |   |      | Sundries etc   |      | LS       |        |
|         |   |      | Total for 10 sq.m.   |      |          |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>   |      |          |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>  |      |          |        |
|         |   |      | <b>Rate for 1 Sq.m</b>   |      |          |        |
|         |   |      | <b>Note 23: Instead of crude oil any approved water proofing compound may also be used</b> |      |          |        |
| 340     | <b>Complete surface repairs to leaky terrace roofs</b>  |      |  |      |          |        |
|         | 450.00  | Nos  | Flat Tiles ( 15cmx15cmx12mm )  |      | 1000 nos |        |
|         | 0.11  | Cu.m | Cement Mortar (1:3)  |      | Cu.m     |        |
|         | 10.00   | Sq.m | Pointing with Cement Mortar (1:3)  |      | Sq.m     |        |
|         | 1.10  | Nos  | Mason- I Class   |      | Each     |        |
|         | 1.10  | Nos  | Mazdoor Category -II   |      | Each     |        |
|         | 10.00   | Sq.m | Clean removal of Lime Plaster from terraced roofs and ranking out joints-10mm deep         |      | Sq.m     |        |
|         |   |      | Sundries including Crude Oil ..etc   |      | LS       |        |
|         |   |      | Total for 10 sq.m.   |      |          |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>   |      |          |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>  |      |          |        |
|         |   |      | <b>Rate for 1 Sq.m</b>   |      |          |        |
| 341     | <b>Best Sloping Bengal terrace with three courses of flat tiles and three coats of Lime Plaster at top including teak reepers</b> |      |  |      |          |        |
|         | 1350.00   | Nos  | Flat Tiles (15 x 15 cmx12mm)   |      | 1000 Nos |        |
|         | 0.008   | Cu.m | Lime   |      | Cu.m     |        |

| Sl. No. | Qty.   | Unit      | Description   | Rate | Per       | Amount |
|---------|--|-----------|---|------|-----------|--------|
|         | 0.15   | Cu.m      | Lime Mortar (1:1.5)   |      | Cu.m      |        |
|         | 74.00  | RM        | Teak Reepers (50cmx12mm)  |      | Cu.m      |        |
|         | 0.49   | Kg        | Reeper nails ( 40mm long)   |      | Kg        |        |
|         | 10.00  | Sq.m      | Plastering with Lime Mortar - 3 coats   |      | Sq.m      |        |
|         | 0.80   | Nos       | Carpenter I class   |      | Each      |        |
|         | 1.10   | Nos       | Mason- I Class  |      | Each      |        |
|         | 1.10   | Nos       | Masons II Class   |      | Each      |        |
|         | 3.20   | Nos       | Mazdoor Category -II  |      | Each      |        |
|         |  |           | Sundries including tarring reepers etc  |      | LS        |        |
|         |  |           | Total for 10 sq.m.  |      |           |        |
|         |  |           | <b>Sub Total for 1 sq.m. (X)</b>  |      |           |        |
|         |  |           | <b>Add water charges @1% of Sub Total X</b>   |      |           |        |
|         |  |           | <b>Rate for 1 Sq.m</b>  |      |           |        |
| 342     | <b>Best thatched roofing 225mm thick,including Bamboo rafters,bamboo reepers and Bamboo mats</b> |           |   |      |           |        |
|         | 11.00  | Cart Load | Bundles of 1.5m girth of grass ( 10 bundles-1 card load)  |      | Cart Load |        |
|         | 10.50  | Sq.m      | Bamboo mats   |      | Sq.m      |        |
|         | 23.00  | Rm        | Bamboo rafters ( 45 cm apart ) - 8 to 10 cm dia   |      | Rm        |        |
|         | 131.60   | Rm        | Bamboo reepers ( 20 cm apart ) including split Bamboo for battens for tatties,etc - 2 to 2.5 cm dia |      | Rm        |        |
|         | 1.10   | Nos       | Thatchers   |      | Each      |        |
|         | 2.20   | Nos       | Mazdoor Category -I   |      | Each      |        |
|         | 2.20   | Nos       | Mazdoor Category -II  |      | Each      |        |
|         | 0.50   | Nos       | Carpenter II class  |      | Each      |        |
|         |  |           | Sundries including coirs,nails etc  |      | LS        |        |
|         |  |           | Total for 10 sq.m.  |      |           |        |
|         |  |           | <b>Sub Total for 1 sq.m. (X)</b>  |      |           |        |
|         |  |           | <b>Add water charges @1% of Sub Total X</b>   |      |           |        |
|         |  |           | <b>Rate for 1 Sq.m</b>  |      |           |        |

| Sl. No. | Qty.   | Unit | Description  | Rate | Per  | Amount |
|---------|--|------|--|------|------|--------|
| 343     | <b>Common thatched roofing with palmyra leaves, including Bamboo rafters, bamboo reepers and Bamboo mats</b> |      |  |      |      |        |
|         | 215.00   | Nos  | Palmyra leaves                                       |      | Nos  |        |
|         | 10.50  | Sq.m | Bamboo mats  |      | Sq.m |        |
|         | 33.00  | Rm   | Bamboo rafters ( 30 cm apart ) - 5 to 8 cm dia       |      | Rm   |        |
|         | 50.00  | Rm   | Thin Bamboo reepers ( 20 cm apart ) - 2 to 2.5cm dia |      | Rm   |        |
|         | 1.10   | Nos  | Thatchers  |      | Each |        |
|         | 1.10   | Nos  | Mazdoor Category -I                                  |      | Each |        |
|         | 1.10   | Nos  | Mazdoor Category -II                                 |      | Each |        |
|         | 0.50   | Nos  | Carpenter II class                                   |      | Each |        |
|         |  |      | Sundries including coir rope ,nails etc              |      | LS   |        |
|         |  |      | Total for 10 sq.m.                                   |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>                     |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>          |      |      |        |
|         |  |      | <b>Rate for 1 Sq.m</b>                               |      |      |        |
| 344     | <b>Thatching Roof with double new coconut cadjans</b>  |      |  |      |      |        |
|         | 43.00  | Nos  | Coconut cadjan madals                                |      | Nos  |        |
|         | 2.00   | Nos  | Green cadjans  |      | Nos  |        |
|         | 0.40   | Nos  | Mazdoor Category -I for thatching                    |      | Each |        |
|         |  |      | Total for 10 sq.m.                                   |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m. (X)</b>                     |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>          |      |      |        |
|         |  |      | <b>Rate for 1 Sq.m</b>                               |      |      |        |
| 345     | <b>Thatching Roof with 50 percent old and 50 percent new cadjans</b>   |      |  |      |      |        |
|         | 22.00  | Nos  | Coconut cadjan madals                                |      | Nos  |        |
|         | 2.00   | Nos  | Green cadjans  |      | Nos  |        |
|         | 0.40   | Nos  | Mazdoor Category -I for thatching                    |      | Each |        |

| Sl. No. | Qty.  | Unit | Description                                 | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
|         |   |      | Total for 10 sq.m.                          |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>            |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b> |      |      |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                      |      |      |        |
| 346     | <b>Treleising over Thatched Roof with 1/6 split new Bamboo reepers 60cm apart diagonally</b>                              |      |   |      |      |        |
|         | 1.10  | Nos  | Bomboo II class                             |      | Nos  |        |
|         | 16.40   | Rm   | Coir  |      | Rm   |        |
|         | 0.20  | Nos  | Mazdoor Category -I for splitting and tying |      | Nos  |        |
|         |   |      | Total for 10 sq.m.                          |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>            |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b> |      |      |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                      |      |      |        |
| 347     | <b>Treleising over Thatched Roof with 50 percent old and 50 percent new Bamboo reepers 60cm apart diagonally</b>          |      |   |      |      |        |
|         | 0.50  | Nos  | Bomboo II class                             |      | Nos  |        |
|         | 16.40   | Rm   | Coir  |      | Rm   |        |
|         | 0.10  | Nos  | Mazdoor Category -I for splitting and tying |      | Nos  |        |
|         |   |      | Total for 10 sq.m.                          |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>            |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b> |      |      |        |
|         |   |      | <b>Rate for 1 Sq.m</b>                      |      |      |        |
| 348     | <b>Cadjans creening with double new Cocunut Cadjans Bamboo posts 120cm apart 1/6 split bamboo reepers at 60cm centres</b> |      |   |      |      |        |
|         | 27.00   | Nos  | Coconut cadjan madals                       |      | Nos  |        |
|         | 1.00  | Nos  | Green cadjans                               |      | Nos  |        |
|         | 2.700   | Nos  | Bomboo II class                             |      | Nos  |        |
|         | 0.50  | Nos  | Mazdoor Category -I                         |      | Each |        |
|         |   |      | Total for 10 sq.m.                          |      |      |        |

| Sl. No. | Qty.  | Unit | Description   | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>  |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|         |   |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
|         |   |      |   |      |      |        |
| 349     | <b>Providing and fixing double bamboo mat thatties with Bamboo met insertion for wallid ceiling,etc</b> |      |   |      |      |        |
|         | 21.00   | Sq.m | Bamboo mat insertion  |      | Sq.m |        |
|         | 74.00   | Rm   | Bamboo split  |      | Rm   |        |
|         | 0.30  | Nos  | Carpenter II class  |      | Each |        |
|         | 0.30  | Nos  | Mazdoor Category -I   |      | Each |        |
|         |   |      | Sundries for nails etc  |      | LS   |        |
|         |   |      | Total for 10 sq.m.  |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>  |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|         |   |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 350     | <b>Removing and Adjusting Mangalore roofing tiles(Labour only)</b>                                      |      |   |      |      |        |
|         | 0.40  | Nos  | Masons II Class   |      | Each |        |
|         | 0.50  | Nos  | Mazdoor Category - I  |      | Each |        |
|         | 0.30  | Nos  | Mazdoor Category -II  |      | Each |        |
|         |   |      | Total for 10 sq.m.  |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>  |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|         |   |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 351     | <b>Roofing with Galvanised corrugated iron sheet of thickness 0.8mm</b>                                 |      |   |      |      |        |
|         | 100.00  | Kg   | Galvanised iron corrugated sheets ( including 15cm lapping) - 0.8mm thick   |      | Kg   |        |
|         |   |      | 80 Nos of 20mmx6mm G.I bolts and nuts and limpet washers;20 nos of hook bolts and nuts (of size required) and washers,or screws if wooden battens |      | LS   |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per      | Amount |
|---------|---|------|--|------|----------|--------|
|         | 1.10  | Nos  | Fitters I class  |      | Each     |        |
|         | 2.10  | Nos  | Fitters II class   |      | Each     |        |
|         | 3.20  | Nos  | Mazdoor Category - I   |      | Each     |        |
|         |   |      | Sundries including 50mmx6mm iron wind ties,white lead etc..  |      | LS       |        |
|         |   |      | Add for standard specification 1mm thick ridging and 1.25mm thick valleys,when such are required for particular work                               |      | LS       |        |
|         |   |      | Total for 10 sq.m.   |      |          |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>   |      |          |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>  |      |          |        |
|         |   |      | <b>Rate for 1 Sq.m</b>   |      |          |        |
| 352     | <b>Roofing with Galvanised corrugated iron sheet of thickness 0.8mm with pan tiles over</b> |      |  |      |          |        |
|         | 100.00  | Kg   | Galvanised iron corrugated sheets ( including 15cm lapping) - 0.8mm thick  |      | Kg       |        |
|         |   |      | 80 Nos of 20mmx6mm G.I bolts and nuts and limpet washers;20 nos of hook bolts and nuts ( of size required) and washers,or screws if wooden battens |      | LS       |        |
|         | 1.10  | Nos  | Fitters I class  |      | Each     |        |
|         | 2.10  | Nos  | Fitters II class   |      | Each     |        |
|         | 3.20  | Nos  | Mazdoor Category - I   |      | Each     |        |
|         |   |      | Sundries including 50mmx6mm iron wind ties,white lead etc..  |      | LS       |        |
|         |   |      | Add for standard specification 1mm thick ridging and 1.25mm thick valleys,when such are required for particular work                               |      | LS       |        |
|         | 1350.00   | Nos  | Pan Tiles (23cm x (14+13/2)cm x 12mm)  |      | 1000 Nos |        |
|         | 1.10  | Nos  | Masons II Class  |      | Each     |        |
|         | 1.10  | Nos  | Mazdoor Category -I  |      | Each     |        |
|         | 3.20  | Nos  | Mazdoor Category -II   |      | Each     |        |
|         |   |      | Sundries etc..   |      | LS       |        |
|         |   |      | Total for 10 sq.m.   |      |          |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>   |      |          |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per  | Amount |
|---------|--------|------|---|------|------|--------|
|         |        |      | <b>Add water charges @1% of Sub Total X</b>                         |      |      |        |
|         |        |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 353     |        |      | <b>12mm teak wood plank ceilings , tongued and grooved planking</b> |      |      |        |
|         | 0.14   | Cu.m | Teak wood planks ( 15cmx12mm )                                      |      | Cu.m |        |
|         | 310.00 | Nos  | Screws ( 40mm long )  |      | Nos  |        |
|         | 2.20   | Nos  | Carpenter - I Class   |      | Each |        |
|         | 4.30   | Nos  | Carpenter - II Class  |      | Each |        |
|         | 5.40   | Nos  | Mazdoor Category -I   |      | Each |        |
|         |        |      | Sundries etc  |      | LS   |        |
|         |        |      | Total for 10 sq.m.  |      |      |        |
|         |        |      | <b>Sub Total for 1 sq.m. (X)</b>                                    |      |      |        |
|         |        |      | <b>Add water charges @1% of Sub Total X</b>                         |      |      |        |
|         |        |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 354     |        |      | <b>12mm teak wood plank ceilings with 4cmx12mm teak battens</b>     |      |      |        |
|         | 0.14   | Cu.m | Teak wood planks ( 15cmx12mm )                                      |      | Cu.m |        |
|         | 310.00 | Nos  | Screws ( 40mm long )  |      | Nos  |        |
|         | 2.20   | Nos  | Carpenter - I Class   |      | Each |        |
|         | 3.20   | Nos  | Carpenter - II Class  |      | Each |        |
|         | 5.40   | Nos  | Mazdoor Category -I   |      | Each |        |
|         | 66.00  | Rm   | Teak wood battens (4cmx12mm )                                       |      | Rm   |        |
|         | 232.00 | Nos  | Brass Screws ( 25mm long )  |      | Nos  |        |
|         |        |      | Sundries etc  |      | LS   |        |
|         |        |      | Total for 10 sq.m.  |      |      |        |
|         |        |      | <b>Sub Total for 1 sq.m. (X)</b>                                    |      |      |        |
|         |        |      | <b>Add water charges @1% of Sub Total X</b>                         |      |      |        |
|         |        |      | <b>Rate for 1 Sq.m</b>  |      |      |        |

| Sl. No. | Qty.  | Unit | Description  | Rate | Per  | Amount |
|---------|---|------|--|------|------|--------|
| 355     | <b>Roofing with Asbestos semi corrugated sheets</b> |      |  |      |      |        |
|         | 11.50   | Sq.m | Asbestos semi corrugated sheets with thickness:                                    |      | Sq.m |        |
|         | 20.00   | Nos  | Adjustable Ridges seated U or J bolts and nuts 20 Nos bitumen washers 20 nos etcc. |      | Nos  |        |
|         | 2.20  | Nos  | Fitters II class   |      | Each |        |
|         | 1.10  | Nos  | Carpenter I class  |      | Each |        |
|         | 3.20  | Nos  | Mazdoor Category - I   |      | Each |        |
|         |   |      | Sundries for white lead etc..  |      | LS   |        |
|         |   |      | Total for 10 sq.m.   |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m. (X)</b>   |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|         |   |      | <b>Rate for 1 Sq.m</b>   |      |      |        |

## PAINTING

| Sl. No. | Qty.  | Unit | Description   | Rate | Per  | Amount |
|---------|---|------|---|------|------|--------|
| 356     | <b>White washing one coat</b> with freshly burnt white shell lime in all floors including cost of lime, blue powder, fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed by the departmental officers. |      |   |      |      |        |
|         | 0.05  | Cu.m | Fine screened shell lime  |      | Cu.m |        |
|         | 1.10  | Nos. | Mason II Class  |      | Each |        |
|         | 0.30  | Nos. | Mazdoor Category I  |      | Each |        |
|         | 1.90  | Nos. | Mazdoor Category II   |      | Each |        |
|         |   | LS   | Gum, conjee water or prickly pear juice including necessary fire wood and brushes |      | LS   |        |
|         |   |      | Rate for 100 sq.m.  |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>   |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                                       |      |      |        |
|         |   |      | <b>Rate for 1sq.m.</b>  |      |      |        |
| 357     | <b>White washing two coats</b> with freshly burnt white shell lime in all floors including cost of lime, blue powder fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed.                              |      |   |      |      |        |
|         | 0.07  | Cu.m | Fine screened shell lime  |      | Cu.m |        |
|         | 1.60  | Nos. | Mason II Class  |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I  |      | Each |        |
|         | 2.700   | Nos. | Mazdoor Category II   |      | Each |        |
|         |   | LS   | Gum, conjee water or prickly pear juice including necessary firewood and brushes  |      | LS   |        |
|         |   |      | Rate for 100 sq.m.  |      |      |        |
|         |   |      | <b>Sub Total for 1 sq.m (X)</b>   |      |      |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>                                       |      |      |        |
|         |   |      | <b>Rate for 1sq.m.</b>  |      |      |        |
| 358     | <b>White washing three coats</b> with freshly burnt white shell lime in all floors including cost of lime, blue powder fevicol type gum, brushes, scaffolding charges, etc., complete complying with standard specification and as directed.                            |      |   |      |      |        |
|         | 0.09  | Cu.m | Fine screened shell lime  |      | Cu.m |        |
|         | 2.20  | Nos. | Mason II Class  |      | Each |        |
|         | 0.50  | Nos. | Mazdoor Category I  |      | Each |        |
|         | 3.80  | Nos. | Mazdoor Category II   |      | Each |        |

| Sl. No. | Qty. | Unit  | Description  | Rate | Per   | Amount |
|---------|------|-------|--|------|-------|--------|
|         |      | LS    | Gum, conjee water or prickly pear juice including necessary firewood and brushes   |      | LS    |        |
|         |      |       | Rate for 100 sq.m.   |      |       |        |
|         |      |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |      |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |      |       | <b>Rate for 1sq.m.</b>   |      |       |        |
| 359     |      |       | <b>Colour washing One</b> coat in all floors using best freshly burnt white shell lime and best quality of approved variety of colouring pigment including cost of lime, colouring pigments, fevicol type gum, brushes, scaffolding charges etc., complete complying with standard specification. Mineral colouring pigments not affected by lime should only be used (stainers and colour solutions should not be used.)  |      |       |        |
|         |      |       | <b>For one Coat</b>  |      |       |        |
|         | 1.00 | sq.m. | Rate as per white washing one coats without water charges  |      | sq.m. |        |
|         | 1.00 | sq.m. | For colouring pigment, add 50% of white washing one coat rate without water charges  |      | sq.m. |        |
|         |      |       |  |      |       |        |
|         |      |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |      |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |      |       | <b>Rate for 1sq.m.</b>   |      |       |        |
| 360     |      |       | <b>Colour washing two</b> coats in all floors using best freshly burnt white shell lime and best quality of approved variety of colouring pigment including cost of lime, colouring pigments, fevicol type gum, brushes, scaffolding charges etc., complete complying with standard specification. Mineral colouring pigments not affected by lime should only be used (stainers and colour solutions should not be used.) |      |       |        |
|         |      |       | <b>For Two Coat</b>  |      |       |        |
|         | 1.00 | sq.m. | Rate as per white washing two coats without water charges  |      | sq.m. |        |
|         | 1.00 | sq.m. | For colouring pigment, add 50% of white washing two coat rate without water charges  |      | sq.m. |        |
|         |      |       |  |      |       |        |
|         |      |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |      |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |      |       | <b>Rate for 1sq.m.</b>   |      |       |        |
| 361     |      |       | <b>Distempering the Two Coats</b> of approved quality including preparation of surface, the rate includes cost of brushes, high scaffolding arrangements, neat finishes, etc., complete complying with standard specification and as directed by the departmental officers.  |      |       |        |
|         |      |       | <b>For Two coat</b>  |      |       |        |
|         | 1.34 | kg    | Distember  |      | Kg    |        |

| Sl. No. | Qty. | Unit  | Description  | Rate | Per   | Amount |
|---------|------|-------|--|------|-------|--------|
|         | 0.50 | Nos.  | Painter I Class  |      | Each  |        |
|         | 0.50 | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 0.80 | Nos.  | Mazdoor Category II  |      | Each  |        |
|         |      | LS    | Sundries for brushes etc.  |      | LS    |        |
|         |      |       | Total for 10 sq.m.   |      |       |        |
|         |      |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |      |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |      |       | <b>Rate for 1sq.m.</b>   |      |       |        |
|         |      |       | <b>Note 24: Same rate shall apply for walls and ceiling for white washing, colour washing and Distemper.</b>   |      |       |        |
|         |      |       | <b>Note 25: If thorough and complete scrapping of old surface coating is to be done for white washing, colour washing and Distemper add new LS .</b>   |      |       |        |
|         |      |       | <b>Note 26: Cleaning and brushing walls and preparing surface in accordance with standard specification is included in the labour data for white washing, colour washing and Distemper</b>   |      |       |        |
| 362     |      |       | <b>Painting new wood work with One finishing coats of synthetic enamel ready mixed paint</b> of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |      |       |        |
|         |      |       | <b>For priming coat</b>  |      |       |        |
|         | 1.44 | Litre | Ready mixed primer   |      | Litre |        |
|         | 0.70 | Nos.  | Painter I Class  |      | Each  |        |
|         |      |       |  |      |       |        |
|         |      |       | <b>For finishing coat</b>  |      |       |        |
|         | 1.44 | Litre | Ready mixed paint  |      | Litre |        |
|         | 0.70 | Nos.  | Painter I Class  |      | Each  |        |
|         |      | LS    | Sundries for brushes, soap, putty etc.   |      | LS    |        |
|         |      |       | Total for 10 sq.m.   |      |       |        |
|         |      |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |      |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |      |       | <b>Rate for 1sq.m.</b>   |      |       |        |

| Sl. No. | Qty.   | Unit  | Description                                 | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
| 363     | <b>Painting new wood work with two finishing coats of synthetic enamel ready mixed paint</b> of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)   |       |   |      |       |        |
|         |  |       | <b>For priming coat</b>                     |      |       |        |
|         | 1.44   | Litre | Ready mixed primer                          |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  |       | <b>For finishing coat</b>                   |      |       |        |
|         | 2.55   | Litre | Ready mixed paint                           |      | Litre |        |
|         | 1.20   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 364     | <b>Painting new wood work with Three finishing coats of synthetic enamel ready mixed paint</b> of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         |  |       | <b>For priming coat</b>                     |      |       |        |
|         | 1.44   | Litre | Ready mixed primer                          |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  |       | <b>For finishing coat</b>                   |      |       |        |
|         | 3.55   | Litre | Ready mixed paint                           |      | Litre |        |
|         | 1.60   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |

| Sl. No. | Qty.  | Unit  | Description                                 | Rate | Per   | Amount |
|---------|---|-------|---|------|-------|--------|
| 365     | <b>Painting Old wood work with One coat of synthetic enamel ready mixed paint</b> of approved quality and colour in all floors etc., complete complying with standard specification and as directed by the departmental officers.(The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)  |       |   |      |       |        |
|         |   |       | <b>For One coat</b>                         |      |       |        |
|         | 1.33  | Litre | Ready mixed paint                           |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 366     | <b>Painting Old wood work with Two coat of synthetic enamel ready mixed paint</b> of approved quality and colour in all floors etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)   |       |   |      |       |        |
|         |   |       | <b>For Two coat</b>                         |      |       |        |
|         | 2.22  | Litre | Ready mixed paint                           |      | Litre |        |
|         | 1.20  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 367     | <b>Painting new iron works</b> such as steel doors, windows, ventilators, window bars, balustrades etc., with One coats of best approved first quality and colour of synthetic enamel paint over the priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         |   |       | <b>One coat</b>                             |      |       |        |
|         | 1.33  | Litre | Ready mixed enamel paint                    |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries for brushes, soap, putty, etc.     |      | LS    |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |

| Sl. No. | Qty.   | Unit  | Description                                 | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>                     |      |       |        |
| 368     | <b>Painting new iron works</b> such as steel doors, windows, ventilators, window bars, balustrades etc., with two coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)   |       |   |      |       |        |
|         |  |       | <b>Two coat</b>                             |      |       |        |
|         | 2.22   | Litre | Ready mixed enamel paint                    |      | Litre |        |
|         | 1.10   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries for brushes, soap, putty, etc.     |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>                     |      |       |        |
| 369     | <b>Painting new iron works</b> such as steel doors, windows, ventilators, window bars, balustrades etc., with Three coats of best approved first quality and colour of synthetic enamel paint over the existing red oxide priming coat in all floors excluding cost of priming coat etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         |  |       | <b>Three coat</b>                           |      |       |        |
|         | 3.11   | Litre | Ready mixed enamel paint                    |      | Litre |        |
|         | 1.50   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries for brushes, soap, putty, etc.     |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>                     |      |       |        |
| 370     | <b>Painting Old iron works</b> such as steel doors, windows, ventilators, window bars, balustrades etc., with One coats of best approved first quality and colour of synthetic enamel paint in all floors etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)   |       |   |      |       |        |

| Sl. No. | Qty.  | Unit  | Description                                 | Rate | Per   | Amount |
|---------|---|-------|---|------|-------|--------|
|         |   |       | <b>One coat</b>                             |      |       |        |
|         | 1.11  | Litre | Ready mixed enamel paint                    |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries for brushes, soap, putty, etc.     |      | LS    |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1 sq.m.</b>                     |      |       |        |
| 371     | <b>Painting Old iron works</b> such as steel doors, windows, ventilators, window bars, balustrades etc., with Two coats of best approved first quality and colour of synthetic enamel paint in all floors etc., complete complying with standard specification and as directed by the departmental officers.(The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         |   |       | <b>Two coat</b>                             |      |       |        |
|         | 1.89  | Litre | Ready mixed enamel paint                    |      | Litre |        |
|         | 1.10  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries for brushes, soap, putty, etc.     |      | LS    |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1 sq.m.</b>                     |      |       |        |
| 372     | <b>Painting New Plastered Wall Surface with One finishing coats of ready mixed (Emulsion)</b> of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)       |       |   |      |       |        |
|         |   |       | <b>For priming coat</b>                     |      |       |        |
|         | 1.44  | Litre | Ready mixed primer                          |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   |       |   |      |       |        |
|         |   |       | <b>For finishing coat</b>                   |      |       |        |
|         | 1.44  | Litre | Ready mixed paint                           |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |

| Sl. No. | Qty.  | Unit  | Description                                 | Rate | Per   | Amount |
|---------|---|-------|---|------|-------|--------|
|         |   | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 373     | <b>Painting New Plastered Wall Surface with Two finishing coats of ready mixed (Emulsion)</b> of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification and as directed by the departmental officers.(The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)    |       |   |      |       |        |
|         |   |       | <b>For priming coat</b>                     |      |       |        |
|         | 1.44  | Litre | Ready mixed primer                          |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   |       | <b>For finishing coat</b>                   |      |       |        |
|         | 2.55  | Litre | Ready mixed paint                           |      | Litre |        |
|         | 1.20  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 374     | <b>Painting New Plastered Wall Surface with Three finishing coats of ready mixed (Emulsion)</b> of approved quality and colour over one coat priming coat in all floors including the cost of primer etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         |   |       | <b>For priming coat</b>                     |      |       |        |
|         | 1.44  | Litre | Ready mixed primer                          |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   |       | <b>For finishing coat</b>                   |      |       |        |
|         | 3.55  | Litre | Ready mixed paint                           |      | Litre |        |
|         | 1.60  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |

| Sl. No. | Qty.   | Unit  | Description                                 | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 375     | <b>Painting Old Plastered Wall Surface with One finishing coats of ready mixed (Emulsion)</b> of approved quality and colour over the existing wall in all floors etc., complete complying with standard specification and as directed by the departmental officers.(The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)  |       |   |      |       |        |
|         |  |       | <b>For One coat</b>                         |      |       |        |
|         | 1.33   | Litre | Ready mixed paint                           |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries for brushes, soap, putty etc.      |      |       |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 376     | <b>Painting Old Plastered Wall Surface with Two finishing coats of ready mixed (Emulsion)</b> of approved quality and colour over the existing wall in all floors etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         |  |       | <b>For Two coat</b>                         |      |       |        |
|         | 2.22   | Litre | Ready mixed paint                           |      | Litre |        |
|         | 1.20   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries for brushes, soap, putty etc.      |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 377     | <b>Painting, Priming Coat on new wood work of approved quality and colour in all floors including the cost of primer etc., etc.,</b> complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)<br><b>(SUB-DATA)</b>               |       |   |      |       |        |

| Sl. No. | Qty.   | Unit  | Description                                  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         | 0.61   | Kg    | White Lead                                   |      | Kg    |        |
|         | 1.00   | Kg    | Whiting                                      |      | Kg    |        |
|         | 0.61   | Litre | Linseed Oil- Twice Boiled                    |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class                              |      | Each  |        |
|         |  | LS    | Sundries including brushes, soap, putty etc. |      | LS    |        |
|         |  |       | Total for 10 sq.m.                           |      |       |        |
|         |  |       | <b>Rate for 1sq.m. (X)</b>                   |      |       |        |
| 378     | <b>Painting, Priming Coat on new Iron work of approved quality and colour in all floors including the cost of primer etc., etc.,</b> complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)<br><b>(SUB-DATA)</b>         |       |  |      |       |        |
|         | 1.00   | Kg    | Red Lead                                     |      | Kg    |        |
|         | 15.30  | gms   | Patent Drier                                 |      | gms   |        |
|         | 0.46   | Litre | Boiled Linseed Oil                           |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class                              |      | Each  |        |
|         |  | LS    | Sundries including brushes, soap, putty etc. |      |       |        |
|         |  |       | Total for 10 sq.m.                           |      |       |        |
|         |  |       | <b>Rate for 1sq.m. (X)</b>                   |      |       |        |
| 379     | <b>Painting, Priming Coat on new Plastered Surface of approved quality and colour in all floors including the cost of primer etc., etc.,</b> complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)<br><b>(SUB-DATA)</b> |       |  |      |       |        |
|         | 0.55   | Kg    | Red Lead                                     |      | Kg    |        |
|         | 0.55   | Kg    | White Lead                                   |      | Kg    |        |
|         | 0.60   | Litre | Boiled Linseed Oil                           |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class                              |      | Each  |        |
|         |  | LS    | Sundries including brushes, soap, putty etc. |      | LS    |        |
|         |  |       | Total for 10 sq.m.                           |      |       |        |
|         |  |       | <b>Rate for 1sq.m. (X)</b>                   |      |       |        |
| 380     | <b>Painting Red lead, one coat (Over Priming Coat, Priming Coat not included in cost) of approved quality and colour in all floors etc.,</b> complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)                      |       |  |      |       |        |

| Sl. No. | Qty.   | Unit  | Description                                 | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
|         | 1.00   | Kg    | Red Lead                                    |      | Kg    |        |
|         | 0.90   | Litre | Boiled Linseed Oil                          |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class                             |      | Nos.  |        |
|         |  | LS    | Sundries including brushes,putty etc.       |      | Each  |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 381     | <b>Painting Red lead, two coats (Over Priming Coat, Priming Coat not included) of approved quality and colour in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         | 1.80   | Kg    | Red Lead                                    |      | Kg    |        |
|         | 1.10   | Litre | Boiled Linseed Oil                          |      | Litre |        |
|         | 1.10   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries including brushes, putty etc.      |      |       |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 382     | <b>Painting with Wood Preservative One coat of approved quality and colour in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)                                    |       |   |      |       |        |
|         | 1.00   | Litre | Wood Preservative Paint                     |      | Litre |        |
|         | 0.40   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries including brushes, putty etc.      |      |       |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |

| Sl. No. | Qty.  | Unit  | Description                                 | Rate | Per   | Amount |
|---------|---|-------|---|------|-------|--------|
| 383     | <b>Painting with Wood Preservative two coat of approved quality and colour in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         | 1.50  | Litre | Wood Preservative Paint                     |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class                             |      | Each  |        |
|         |   | LS    | Sundries including brushes, putty etc.      |      |       |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 384     | <b>Wood Oiling One coat of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.)   |       |   |      |       |        |
|         | 1.00  | Kg    | Wood Oil                                    |      | Litre |        |
|         | 1.10  | Nos.  | Mazdoor Category I                          |      | Each  |        |
|         |   | LS    | Sundries including brushes, putty etc.      |      |       |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 385     | <b>Wood Oiling Two coat of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.)   |       |   |      |       |        |
|         | 1.50  | Kg    | Wood Oil                                    |      | Litre |        |
|         | 1.90  | Nos.  | Mazdoor Category I                          |      | Each  |        |
|         |   | LS    | Sundries including brushes, putty etc.      |      |       |        |
|         |   |       | Total for 10 sq.m.                          |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>                      |      |       |        |

| Sl. No. | Qty.   | Unit  | Description                                 | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
| 386     | <b>Oiling One coat with Linseed Oil of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         | 0.50   | Litre | Double Boiled Linseed Oil                   |      | Litre |        |
|         | 0.80   | Nos.  | Painter I Class                             |      | Each  |        |
|         |  | LS    | Sundries including brushes, putty etc.      |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 387     | <b>Tarring with Coal tar One coat of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.)              |       |   |      |       |        |
|         | 2.40   | Kg    | Coal Tar                                    |      | Kg    |        |
|         | 0.80   | Nos.  | Mazdoor Category I                          |      | Each  |        |
|         |  | LS    | Sundries including brushes, Fuel etc.       |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 388     | <b>Tarring with Coal tar Two coat of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.)              |       |   |      |       |        |
|         | 4.20   | Kg    | Coal Tar                                    |      | Kg    |        |
|         | 1.60   | Nos.  | Mazdoor Category I                          |      | Each  |        |
|         |  | LS    | Sundries including brushes, Fuel etc.       |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |

| Sl. No. | Qty.   | Unit  | Description                                 | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
| 389     | <b>Standard Tar Painting one coat of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.)    |       |   |      |       |        |
|         | 1.50   | Kg    | Coal Tar                                    |      | Kg    |        |
|         | 0.15   | kg    | Freshly Slaked Lime                         |      | kg    |        |
|         | 0.20   | Kg    | Pitch                                       |      | Kg    |        |
|         | 0.18   | Litre | Kerosene Oil                                |      | Litre |        |
|         | 0.80   | Nos.  | Mazdoor Category I                          |      | Each  |        |
|         |  | LS    | Sundries including brushes, Fuel etc.       |      | LS    |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 390     | <b>Standard Tar Painting two coats of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.)   |       |   |      |       |        |
|         | 2.60   | Kg    | Coal Tar                                    |      | Kg    |        |
|         | 0.30   | kg    | Freshly Slaked Lime                         |      | kg    |        |
|         | 0.37   | Kg    | Pitch                                       |      | Kg    |        |
|         | 0.37   | Litre | Kerosene Oil                                |      | Litre |        |
|         | 1.60   | Nos.  | Mazdoor Category I                          |      | Each  |        |
|         |  | LS    | Sundries including brushes, Fuel etc.       |      |       |        |
|         |  |       | Total for 10 sq.m.                          |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 391     | <b>Best Varnishing Woodwork One Coat of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         | 0.71   | Litre | Best Varnish                                |      | Litre |        |
|         | 0.61   | Litre | Linseed Oil- Boiled                         |      | Litre |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate | Per   | Amount |
|---------|---|-------|---|------|-------|--------|
|         | 0.70  | Nos.  | Painter I Class   |      | Each  |        |
|         | 0.70  | Nos.  | Mazdoor Category I  |      | Each  |        |
|         |   | LS    | Sundries including brushes, Glue etc.                                     |      | LS    |        |
|         |   |       | Total for 10 sq.m.  |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>   |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b>                               |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>  |      |       |        |
| 392     | <b>Best Varnishing Woodwork two Coats of approved quality in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality of paint should be got approved by the Executive Engineer before use on works.) |       |   |      |       |        |
|         | 1.20  | Litre | Best Varnish  |      | Litre |        |
|         | 0.90  | Litre | Linseed Oil- Boiled   |      | Litre |        |
|         | 1.10  | Nos.  | Painter I Class   |      | Nos.  |        |
|         | 1.10  | Nos.  | Mazdoor Category I  |      | Nos.  |        |
|         |   | LS    | Sundries including brushes, Glue etc.                                     |      |       |        |
|         |   |       | Total for 10 sq.m.  |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>   |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b>                               |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>  |      |       |        |
| 393     | <b>Bees Waxing of approved quality and colour in all floors</b> etc., complete complying with standard specification and as directed by the departmental officers. (The make, quality and colour of paint should be got approved by the Executive Engineer before use on works.)  |       |   |      |       |        |
|         | 0.12  | Kg    | Bees Wax  |      | Kg    |        |
|         | 0.08  | Litre | Turpentine  |      | Litre |        |
|         | 1.10  | Nos.  | Painter I Class   |      | Nos.  |        |
|         |   | LS    | Sundries including Labour For Wood Work and Saw dust, Stopping Cloth etc. |      |       |        |
|         |   |       | Total for 10 sq.m.  |      |       |        |
|         |   |       | <b>Sub Total for 1 sq.m (X)</b>   |      |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b>                               |      |       |        |
|         |   |       | <b>Rate for 1sq.m.</b>  |      |       |        |

| Sl. No. | Qty.   | Unit  | Description   | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
| 394     | <b>Painting two coats</b> of newly plastered wall surface with <b>ready mixed plastic emulsion paint</b> of first class quality and of approved colour over a priming coat including thorough scrapping, clean removal of dirt, and including necessary plaster of paris putty, wherever required etc., complete complying with standard specification and as directed by the departmental officers.             |       |   |      |       |        |
|         | 10.00  | sq.m. | Cleaning the plastered surface  |      | sq.m. |        |
|         | 1.40   | Litre | Plastic emulsion paint  |      | Litre |        |
|         | 0.98   | Litre | Primer  |      | Litre |        |
|         | 2.20   | Nos.  | Painter I Class   |      | Each  |        |
|         |  | LS    | Sundries for brushes, crushed stone sandpaper, plaster of paris putty, etc. |      | LS    |        |
|         |  |       | Total for 10 sq.m.  |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>   |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                                 |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>  |      |       |        |
| 395     | Supplying and painting the walls with <b>two coats of cement paint</b> as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications and as directed by the departmental officers. (The colour and shade of the cement paint shall be got approved by the Executive Engineer before use of work).                      |       |   |      |       |        |
|         | 10.00  | sq.m. | Cleaning the plastered surface  |      | sq.m. |        |
|         | 3.23   | Kg    | Cement Paint  |      | Kg    |        |
|         | 0.50   | Nos.  | Painter I Class   |      | Each  |        |
|         | 0.50   | Nos.  | Mazdoor Category I  |      | Each  |        |
|         | 0.80   | Nos.  | Mazdoor Category II   |      | Each  |        |
|         |  | LS    | Sundries for brushes, etc.  |      | LS    |        |
|         |  |       | Rate per 10 sq.m.   |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>   |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                                 |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>  |      |       |        |
| 396     | Painting one coat with ( Priming Coat ) with approved cement paint over plastered wall surface and ceiling including cleaning , preparing the surface and curing etc complete in all floors complying with standard specifications and as directed by the departmental officers.(The colour and shade of the cement paint shall be got approved by the Executive Engineer before use of work). <b>(SUB-DATA)</b> |       |   |      |       |        |
|         | 10.00  | sq.m. | Cleaning the plastered surface  |      | sq.m. |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         | 1.80   | Kg    | Cement Paint   |      | Kg    |        |
|         | 0.25   | Nos.  | Painter I Class  |      | Each  |        |
|         | 0.25   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 0.40   | Nos.  | Mazdoor Category II  |      | Each  |        |
|         |  | LS    | Sundries for brushes, etc.                                       |      | LS    |        |
|         |  |       | Rate for 10 sq.m.  |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>  |      |       |        |
| 397     | Painting the walls with <b>two coats of cement paint over one coat of cement primer</b> as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications and as directed by the departmental officers. (The colour and shade of the cement paint shall be got approved by the Executive Engineer before use of work). |       |  |      |       |        |
|         |  |       | <b>For basic one coat of primer with cement paint - SUB DATA</b> |      |       |        |
|         | 10.00  | sq.m. | Cleaning the plastered surface                                   |      | sq.m. |        |
|         | 1.80   | Kg    | Cement Paint   |      | Kg    |        |
|         | 0.25   | Nos.  | Painter I Class  |      | Each  |        |
|         | 0.25   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 0.40   | Nos.  | Mazdoor Category II  |      | Each  |        |
|         |  | LS    | Sundries for brushes, etc.                                       |      | LS    |        |
|         |  |       | Rate for 10 sq.m.  |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>  |      |       |        |
|         |  |       |  |      |       |        |
|         |  |       | <b>For finishing two coats - SUB DATA</b>                        |      |       |        |
|         | 3.00   | Kg    | Cement Paint   |      | Kg    |        |
|         | 0.50   | Nos.  | Painter I Class  |      | Each  |        |
|         | 0.50   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 0.80   | Nos.  | Mazdoor Category II  |      | Each  |        |
|         |  | LS    | Sundries for brushes, etc.                                       |      | LS    |        |
|         |  |       | Rate per 10 sq.m.  |      |       |        |
|         |  |       | <b>Rate per 1 sq.m.</b>  |      |       |        |
|         |  |       |  |      |       |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         |  |       | <b>Main Data</b>   |      |       |        |
|         | 1.00   | sq.m. | Basic one coat of primer with cement paint   |      | Sq.m  |        |
|         | 1.00   | sq.m. | For finishing two coats with cement paint  |      | Sq.m  |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>   |      |       |        |
| 398     | <b>Polishing the old wood work with One Coat of best French (Lac) polish</b> with approved quality and brand including preparing the wooden surface to receive polishing, etc., complete complying as per the standard specifications and as directed by the departmental officers. (The make, quality and colour of french polish, bees vax should be got approved by the Executive Engineer before use on works.)                          |       |  |      |       |        |
|         | 1.00   | Litre | Lac Polish   |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class  |      | Nos.  |        |
|         | 0.70   | Nos.  | Mazdoor Category I   |      | Nos.  |        |
|         |  | LS    | Sundries including brushes, crushed stone sandpaper, glue, bee's wax, turpentine, etc. |      | LS    |        |
|         |  |       | Rate for 10 sq.m.  |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>  |      |       |        |
| 399     | <b>Polishing the wood work with two coats of best French (Lac) polish</b> with approved quality and brand over a coat of bee's waxing including preparing the wooden surface to receive polishing, etc., complete complying as per the standard specifications and as directed by the departmental officers. (The make, quality and colour of french polish, bees vax should be got approved by the Executive Engineer before use on works.) |       |  |      |       |        |
|         | 1.60   | Litre | Lac Polish   |      | Litre |        |
|         | 0.70   | Nos.  | Painter I Class  |      | Each  |        |
|         | 1.10   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         |  | LS    | Sundries including brushes, crushed stone sandpaper, glue, bee's wax, turpentine, etc. |      | LS    |        |
|         |  |       | Rate for 10 sq.m.  |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>  |      |       |        |

| Sl. No. | Qty.  | Unit      | Description                                 | Rate | Per   | Amount |
|---------|---|-----------|---|------|-------|--------|
| 400     | Supplying and painting the walls with <b>two coats of oil bound distemper over one coat of water based cement primer</b> including cost for distemper, primer, cleaning and scrapping the walls, rendering the walls smooth with necessary putty, brushes, scaffolding arrangements, labour charges, etc., as per standard specification and as directed by the departmental officers. (The colour and shade of the distemper shall be got approved by the Executive Engineer before use of work) |           |   |      |       |        |
|         | 10.00   | sq.m.     | Basic one coat of primer with cement paint  |      | sq.m. |        |
|         | 1.34  | Kg        | Distemper                                   |      | Kg    |        |
|         | 0.50  | Nos.      | Painter I Class                             |      | Each  |        |
|         | 0.50  | Nos.      | Mazdoor Category I                          |      | Each  |        |
|         | 0.80  | Nos.      | Mazdoor Category II                         |      | Each  |        |
|         |   | LS        | Sundries for brushes etc.                   |      | LS    |        |
|         |   |           | Total for 10 sq.m.                          |      |       |        |
|         |   |           | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |           | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |           | <b>Rate for 1sq.m.</b>                      |      |       |        |
| 401     | <b>Distemping the old wall and ceiling one coat with best oil bound distemper</b> of approved quality including preparation of surface, the rate includes cost of brushes, high scaffolding arrangements, neat finishes, etc., complete complying with standard specification and as directed by the departmental officers.   |           |   |      |       |        |
|         |   | <b>a.</b> | <b>For one coat</b>                         |      |       |        |
|         | 0.70  | Kg        | oil bound distemper                         |      | Kg    |        |
|         | 0.25  | Nos.      | Painter I Class                             |      | Each  |        |
|         | 0.25  | Nos.      | Mazdoor Category I                          |      | Each  |        |
|         | 0.40  | Nos.      | Mazdoor Category II                         |      | Each  |        |
|         |   | LS        | Sundries for brushes etc.                   |      | LS    |        |
|         |   |           | Total for 10 sq.m.                          |      |       |        |
|         |   |           | <b>Sub Total for 1 sq.m (X)</b>             |      |       |        |
|         |   |           | <b>Add water charges @1% of Sub Total X</b> |      |       |        |
|         |   |           | <b>Rate for 1sq.m.</b>                      |      |       |        |
|         |   | <b>b.</b> | <b>For two coat including scraping</b>      |      |       |        |
|         | 10.00   | sq.m.     | Cleaning the plastered surface              |      | sq.m. |        |
|         | 1.34  | Kg        | oil bound distemper                         |      | Kg    |        |
|         | 0.50  | Nos.      | Painter I Class                             |      | Each  |        |

| Sl. No. | Qty.   | Unit  | Description   | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
|         | 0.50   | Nos.  | Mazdoor Category I  |      | Each  |        |
|         | 0.80   | Nos.  | Mazdoor Category II                                       |      | Each  |        |
|         |  | LS    | Sundries for brushes etc.                                 |      | LS    |        |
|         |  |       | Total for 10 sq.m.  |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                           |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>               |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                                    |      |       |        |
| 402     | Supplying and painting the walls with two coats of <b>wall putty</b> as instructed by the departmental officers including preparation of surface curing, etc., complete in all floors complying with standard specifications and as directed by the departmental officers. (The wall putty shall be got approved by the Executive Engineer before use of work).  |       |   |      |       |        |
|         |  |       | <b>For finishing Two coat of wall Putty</b>               |      |       |        |
|         | 10.00  | sq.m. | Cleaning the plastered surface                            |      | sq.m. |        |
|         | 15.37  | Kg    | wallputty   |      | Kg    |        |
|         | 0.50   | Nos.  | Painter I Class   |      | Each  |        |
|         | 0.50   | Nos.  | Mazdoor Category I  |      | Each  |        |
|         | 0.80   | Nos.  | Mazdoor Category II                                       |      | Each  |        |
|         |  | LS    | Sundries for brushes, etc.                                |      | LS    |        |
|         |  |       | Rate for 10 sq.m.   |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                           |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>               |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>                                    |      |       |        |
| 403     | Supplying and applying of two coats of putty of 3mm thick over the exposed RCC surface of ceiling including finishing the joints smoothly with grinding machine and the surface shall be thoroughly cleaned out of dust and scrubbing. The surface shall then be allowed to dry for atleast 48 hours. It shall then be sand papered (waterproof abrasive sheet) to give a smooth and even surface. Any unevenness shall be made good by applying 1st coat of putty mixed with water on the entire surface including filling up the undulations and applying 2nd coat of putty after 6 hours of 1st coat of putty and then sand papering (water proof abrasive sheet) the same after it is dry and finishing the surface smoothly, etc., complete complying with standard specifications and as directed by the Departmental Officers.( The rates are inclusive of hire charges for grinding machine with wheel, cost of sand paper (water proof abrasive sheet), cost of putty blade, labour charges for grinding the joints and sand papering, two coats of putty, scrapping the putty area to level the surface smooth, etc.,complete. The putty should be got approved by the Executive Engineer before use on work |       |   |      |       |        |
|         |  |       | <b>Wall Putty Powder : ( 10 Sq.m. / 10x20 kg = 20kg )</b> |      |       |        |
|         | 20.00  | Kg    | White Wall Putty Powder                                   |      | Kg    |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         | 10.00  | Sq.m  | Hire charges for Grinding Machine with Wheel                                   |      | sq.m. |        |
|         | 3.00   | Nos.  | Sand Paper ( Water proof abrasive sheet )                                      |      | Each  |        |
|         | 2.00   | Nos.  | 8" Putty Blade   |      | Dozen |        |
|         | 2.00   | Nos.  | 4" Putty Blade   |      | Dozen |        |
|         |  |       | <b>Labour charges for grinding the joints and sand papering</b>                |      |       |        |
|         | 0.50   | Nos.  | Mazdoor Category II  |      | Each  |        |
|         | 0.50   | Nos.  | Painter II Class   |      | Each  |        |
|         |  |       | <b>Labour charges for Two coats of putty</b>                                   |      |       |        |
|         | 0.75   | Nos.  | Painter I Class for First coat of Putty  |      | Each  |        |
|         | 0.50   | Nos.  | Painter II Class for Second coat of Putty                                      |      | Each  |        |
|         |  |       | <b>Labour charges for scrapping the putty area to level the surface smooth</b> |      |       |        |
|         | 0.50   | Nos.  | Painter I Class  |      | Each  |        |
|         |  |       | Total for 10 sq.m.   |      |       |        |
|         |  |       | <b>Sub Total for 1sq.m. (X)</b>  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                                    |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>   |      |       |        |
| 404     | Painting the wall two coats with approved weather proof Exterior Emulsion paint over one primer coat on cement plastered wall surface ect., complete complying with standard specification and as directed by the departmental officers. |       |  |      |       |        |
|         | 10.00  | Sq.m  | Cleaning the plastered surface   |      | Sq.m  |        |
|         | 0.98   | Sq.m  | Primer Alkalic resistance  |      | sq.m. |        |
|         | 3.00   | Litre | Exterior Emulsion  |      | Litre |        |
|         | 0.50   | Nos.  | Painter I Class  |      | Each  |        |
|         | 0.50   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 0.80   | Nos.  | Mazdoor Category II  |      | Each  |        |
|         |  | LS    | Sundries for brushes, crushed stone sandpaper, plaster of paris putty, etc.    |      | LS    |        |
|         |  |       | Total for 10 sq.m.   |      |       |        |
|         |  |       | <b>Sub Total for 1 sq.m. (X)</b>   |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                                    |      |       |        |
|         |  |       | <b>Rate for 1sq.m.</b>   |      |       |        |

### OTHER ITEMS

| Sl. No. | Qty.  | Unit  | Description                                 | Rate | Per    | Amount |
|---------|---|-------|---|------|--------|--------|
| 405     | Supplying and fixing <b>fine polished cuddapah slab of following thickness for cupboard arrangements</b> including laying to correct alignment with necessary cement mortar and black powder etc, complete complying with standard specification and as directed by the departmental officers   |       |   |      |        |        |
| a       |   |       | <b>20 / 30mm thick</b>                      |      |        |        |
|         | 1.00  | sq.m. | Cost of 20 / 30mm thick cuddapah slab       |      | 1sq.m. |        |
|         | 1.00  | sq.m. | Labour for fixing                           |      | 1sq.m. |        |
|         |   | LS    | Add for Cement Mortar, Black Oxide, etc.    |      | LS     |        |
|         |   |       | <b>Sub Total for 1 Sq.m (X)</b>             |      |        |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |        |        |
|         |   |       | <b>Rate for 1 sq.m.</b>                     |      |        |        |
| b       |   |       | <b>38 / 40mm thick</b>                      |      |        |        |
|         | 1.00  | sq.m. | Cost of 38 / 40mm thick cuddapah slab       |      | 1sq.m. |        |
|         | 1.00  | sq.m. | Labour for fixing                           |      | 1sq.m. |        |
|         |   | LS    | Add for Cement Mortar, Black Oxide, etc.    |      | LS     |        |
|         |   |       | <b>Sub Total for 1 Sq.m (X)</b>             |      |        |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b> |      |        |        |
|         |   |       | <b>Rate for 1 sq.m.</b>                     |      |        |        |
| 406     | Supplying and fixing in position best approved of BIS quality <b>PVC rain water down fall pipes</b> having a pressure of <b>4 kg. / sq.cm</b> including cost of necessary PVC shoe, PVC bend, cast iron gratings of required diameter and special clamps, brass screws, nails, etc., and fixing of cast iron gratings at junction of parapet and the RCC roof slab including finishing neatly etc., complete. The rate shall be inclusive of cast of removable cast iron grating. The PVC pipe shall be fixed in wall with special type of "U" clamp at the centre of the pipe line in addition to those for more than 3.0 metre pipe length, etc., complete complying with standard specification and as directed by the departmental officers |       |   |      |        |        |
|         |   | a     | <b>160mm dia PVC Pipe - For One Floor</b>   |      |        |        |
|         | 3.00  | RM    | Cost of PVC Pipe                            |      | RM     |        |
|         | 1.00  | No.   | PVC Shoe 160mm dia                          |      | Each   |        |
|         | 1.00  | No.   | PVC Bend 160mm dia                          |      | Each   |        |
|         | 2.00  | Nos.  | Cost of brackets for PVC pipes              |      | Each   |        |
|         | 4.00  | Nos.  | Cost of teak wood plugs                     |      | Each   |        |
|         | 1.00  | No.   | Cost of cast iron gratings                  |      | Each   |        |

| Sl. No. | Qty. | Unit | Description   | Rate | Per        | Amount |
|---------|------|------|---|------|------------|--------|
|         | 1.00 | No.  | Plumber I Class   |      | Each       |        |
|         |      |      | Sundries for nails and screws   |      | LS         |        |
|         |      |      | Total for 3 RM  |      |            |        |
|         |      |      | Rate for 1 RM / One Floor   |      |            |        |
|         |      |      | <b>Sub Total for 1 Rm (X)</b>   |      |            |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>                           |      |            |        |
|         |      |      | <b>Rate for 1RM</b>   |      |            |        |
|         |      | b    | <b>160mm dia PVC Pipe for Two Floors</b>                              |      |            |        |
|         | 2.00 | Nos. | Rate as above excluding shoe, bend, gratings and labour for One floor |      | Each Floor |        |
|         |      |      | Rate for shoe, bend, gratings and labour                              |      |            |        |
|         |      |      | Sundries for nails and screws   |      |            |        |
|         |      |      | Total for 6 RM  |      |            |        |
|         |      |      | <b>Sub Total for 1 Rm (X)</b>   |      |            |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>                           |      |            |        |
|         |      |      | <b>Rate for 1RM</b>   |      |            |        |
|         |      | c    | <b>160mm dia PVC Pipe for Three Floors</b>                            |      |            |        |
|         | 3.00 | Nos. | Rate as above excluding shoe, bend, gratings and labour for One floor |      | Each Floor |        |
|         |      |      | Rate for shoe, bend, gratings and labour                              |      |            |        |
|         |      |      | Sundries for nails and screws   |      |            |        |
|         |      |      | Total for 9 RM  |      |            |        |
|         |      |      | <b>Sub Total for 1 Rm (X)</b>   |      |            |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>                           |      |            |        |
|         |      |      | <b>Rate for 1RM</b>   |      |            |        |
|         |      | d    | <b>110mm dia PVC Pipe for One Floor</b>                               |      |            |        |
|         | 3.00 | RM   | Cost of PVC Pipe  |      | RM         |        |
|         | 1.00 | No.  | PVC Shoe 110mm dia  |      | Each       |        |
|         | 1.00 | No.  | PVC Bend 110mm dia  |      | Each       |        |

| Sl. No. | Qty. | Unit | Description   | Rate | Per        | Amount |
|---------|------|------|---|------|------------|--------|
|         | 2.00 | Nos. | Cost of brackets for PVC pipes  |      | Each       |        |
|         | 4.00 | Nos. | Cost of teak wood plugs   |      | Each       |        |
|         | 1.00 | No.  | Cost of cast iron gratings  |      | Each       |        |
|         | 1.00 | No.  | Plumber I Class   |      | Each       |        |
|         |      |      | Sundries for nails and screws   |      |            |        |
|         |      |      | Total for 3 RM  |      |            |        |
|         |      |      | <b>Sub Total for 1 Rm (X)</b>   |      |            |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>                           |      |            |        |
|         |      |      | <b>Rate for 1RM</b>   |      |            |        |
|         |      |      |   |      |            |        |
|         |      | e    | <b>110mm dia PVC Pipe for Two Floors</b>                              |      |            |        |
|         | 2.00 | Nos. | Rate as above excluding shoe, bend, gratings and labour for One floor |      | Each Floor |        |
|         |      |      | Rate for shoe, bend, gratings and labour                              |      |            |        |
|         |      |      | Sundries for nails and screws   |      |            |        |
|         |      |      | Total for 6 RM  |      |            |        |
|         |      |      | <b>Sub Total for 1 Rm (X)</b>   |      |            |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>                           |      |            |        |
|         |      |      | <b>Rate for 1RM</b>   |      |            |        |
|         |      | f    | <b>110mm dia PVC Pipe for Three Floors</b>                            |      |            |        |
|         | 3.00 | Nos. | Rate as above excluding shoe, bend, gratings and labour for One floor |      | Each Floor |        |
|         |      |      | Rate for shoe, bend, gratings and labour                              |      |            |        |
|         |      |      | Sundries for nails and screws   |      |            |        |
|         |      |      | Total for 9 RM  |      |            |        |
|         |      |      | <b>Sub Total for 1 Rm (X)</b>   |      |            |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>                           |      |            |        |
|         |      |      | <b>Rate for 1RM</b>   |      |            |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate | Per   | Amount |
|---------|-------|-------|---|------|-------|--------|
| 407     |       |       | <b>Supplying and fixing teak wood hand rails</b> with an over all finished size of 50 x 150mm with architectural designs as directed and fixing in position etc., including polishing two coats with french (LAC) polish over a coat of bee's waxing complying with standard specification etc., complete and as directed by the departmental officers . The wooden hand rails shall have 12mm groove on both faces at 50mm from top polished and the groove should be painted with black paint. The bottom of hand rails should be grooved to receive the MS flats 40 x 6mm welded with square rods of balustrades |      |       |        |
|         |       |       | Quantity of teak wood required  |      |       |        |
|         |       |       | 3 x 0.15 x 0.065 =  | 0.03 | Cu.m  |        |
|         |       |       | <b>Sub-Data for Lac Polish</b>  |      |       |        |
|         | 1.60  | Litre | Lac Polish  |      | Litre |        |
|         | 0.70  | Nos.  | Painter I Class   |      | Each  |        |
|         | 1.10  | Nos.  | Mazdoor category I  |      | Each  |        |
|         |       |       | Sundries including brushes, crushed stone sandpaper, glue, bee's wax, turpentine, etc.  |      |       |        |
|         |       |       | Rate for 10 sq.m.   |      |       |        |
|         |       |       | <b>Rate for 1Sq.m</b>   |      |       |        |
|         |       |       | <b>Sub-Data for Labour Wrought and Put-up</b>   |      |       |        |
|         | 4.50  | Nos.  | Carpenter I Class   |      | Litre |        |
|         | 13.20 | Nos.  | Carpenter II Class  |      | Each  |        |
|         | 8.80  | Nos.  | Mazdoor category I  |      | Each  |        |
|         |       |       | Sundries for nails, screws, etc.  |      |       |        |
|         |       |       | Rate for 1 Cu.m   |      |       |        |
|         |       |       |   |      |       |        |
|         |       |       | <b>MAIN DATA</b>  |      |       |        |
|         | 0.03  | Cu.m  | Cost of teak wood scantlings above 2m long  |      | Cu.m  |        |
|         | 0.03  | Cu.m  | Labour wrought and put up   |      | Cu.m  |        |
|         |       | LS    | Add 50% extra labour for architectural finishing  |      | LS    |        |
|         | 3.90  | sq.m. | Lac Polish  |      | sq.m. |        |
|         |       | LS    | Sundries for bolts, screws, etc.,   |      |       |        |
|         |       |       | Total for 3 RM  |      |       |        |
|         |       |       | <b>Sub Total for 1 Rm (X)</b>   |      |       |        |

| Sl. No. | Qty.   | Unit  | Description   | Rate  | Per   | Amount |
|---------|--------|-------|---|-------|-------|--------|
|         |        |       | <b>Add water charges @1% of Sub Total X</b>   |       |       |        |
|         |        |       | <b>Rate for 1RM</b>   |       |       |        |
| 408     |        |       | Supplying and fixing in position <b>steel balustrades using 20mm square rods spaced at 150mm centre to centre</b> so that the two balustrades in each step shall be placed centrally and the top of balustrades connected with the hand rails (cost of hand rail shall be measured and paid separately) by means of MS flats of size 40mm x 6mm in the groove 40mm x 6mm provided at the bottom of hand rail; the bottom of balustrades shall be fixed on to the top of step concrete. An additional MS flat of size 50mm x 6mm shall be provided at the centre of balustrades connecting all square rods to the entire length including cost of square rods, flat and applying one coat of red oxide primer to the iron surfaces, etc., complete complying with standard specification and as directed by the departmental officers. |       |       |        |
|         |        |       | Consider a balustrade of size 1.80 x 0.70 metre using 20mm square rod   |       |       |        |
|         |        |       | Area  | 1.26  | sq.m. |        |
|         |        |       | Weight of 20mm rod required = $1.80 / 0.15 \times (0.70 + 0.06) @ 3.14$   | 28.64 | Kg    |        |
|         |        |       | 40 x 6mm flat = 1.80 m x 1.90 Kg / RM   | 3.42  | Kg    |        |
|         |        |       | 50 x 6mm flat = 1.80 m x 2.40 Kg / RM   | 4.32  | Kg    |        |
|         |        |       | MS rod required   | 28.64 | Kg    |        |
|         |        |       | MS flat required  | 7.74  | Kg    |        |
|         |        |       | <b>Total</b>  | 36.38 | Kg    |        |
|         |        |       |   |       |       |        |
|         |        |       | <b>DATA</b>   |       |       |        |
|         | 28.64  | kg    | Cost of MS square rod   |       | Kg    |        |
|         | 7.74   | kg    | Cost of MS flat   |       | Kg    |        |
|         | 36.38  | kg    | Labour charges  |       | Kg    |        |
|         |        |       | Welding charges   |       |       |        |
|         | 75.00  | Nos.  | 40mm flat   |       | Each  |        |
|         | 120.00 | Nos.  | 50mm flat   |       | Each  |        |
|         | 1.26   | sq.m. | Red oxide primer  |       | sq.m. |        |
|         |        | LS    | Sundries for dismantling, redoing, fixing with concrete etc.  |       | LS    |        |
|         |        |       | Total for 1.26 sq.m.  |       |       |        |
|         |        |       | <b>Sub Total for 1 Sq.m (X)</b>   |       |       |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per | Amount |
|---------|--|------|---|------|-----|--------|
|         |  |      | <b>Add water charges @1% of Sub Total X</b>                     |      |     |        |
|         |  |      | <b>Rate for sq.m.</b>   |      |     |        |
| 409     | Supplying and fixing <b>40mm dia GI pipe for staircase hand rail</b> including labour charges for cutting, welding and fixing with MS flats (excluding cost of flat), etc., as directed by the departmental officers   |      |   |      |     |        |
|         |  |      | Consider a length hand rail = 3 metres                          |      |     |        |
|         |  |      | <b>DATA</b>   |      |     |        |
|         | 3.00   | RM   | 40mm dia GI pipe  |      | RM  |        |
|         |  | LS   | Labour for cutting, welding and fixing                          |      | LS  |        |
|         |  |      | Rate for 3 RM   |      |     |        |
|         |  |      | <b>Sub Total for 1 Rm (X)</b>                                   |      |     |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>                     |      |     |        |
|         |  |      | <b>Rate for 1RM</b>   |      |     |        |
| 410     | Supplying and fixing <b>GI pipe handrails for handicapped persons</b> using 50mm dia GI pipe double handrail at a height of 800mm and 900mm from floor level with 25mm thick MS square rods as balusters embedded in the concrete and welded with pipe at 60cm centre to centre as shown in CA Job No. 9123 / 1 including cutting, welding, bending and fixing charges and applying one coat of red oxide primer for MS members as directed by the departmental officers |      |   |      |     |        |
|         |  |      | Consider a length hand rail = 3 metres                          |      |     |        |
|         |  |      | <b>DATA</b>   |      |     |        |
|         | 6.00   | RM   | 50mm dia GI pipe  |      | RM  |        |
|         | 32.41  | Kg   | 25mm MS square rod  |      | Kg  |        |
|         | 32.41  | Kg   | Fabrication charges for MS square rod                           |      | Kg  |        |
|         | LS   |      | Labour charges for cutting, welding GI pipe                     |      | LS  |        |
|         | LS   |      | Red Oxide Primer  |      | LS  |        |
|         | LS   |      | Dismantling the concrete and re-doing to the original condition |      | LS  |        |
|         |  |      | Rate for 3 RM   |      |     |        |
|         |  |      | <b>Sub Total for 1 Rm (X)</b>                                   |      |     |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>                     |      |     |        |
|         |  |      | <b>Rate for 1RM</b>   |      |     |        |

| Sl. No. | Qty.   | Unit  | Description                                   | Rate | Per   | Amount |
|---------|--|-------|---|------|-------|--------|
| 411     | Providing <b>expansion joint in RCC floor slab for 12.5mm width using polysulphide as sealent</b> on the top and bottom for a depth of 7.5mm each and packing the inner space using compressible non-absorbent filler materials including cost of labour for cutting and fixing filler materials and laying polysulphide sealent with necessary spatula etc., complete complying with standard specifications and as directed by the departmental officers   |       |   |      |       |        |
|         |  |       | <b>Sub-Data</b>                               |      |       |        |
|         | 8.70   | Kg    | Polysulphide                                  |      | Kg    |        |
|         | 0.40   | Kg    | Primer  |      | Kg    |        |
|         | 2.10   | sq.m. | Filler material                               |      | sq.m. |        |
|         | 60.00  | RM    | Bond breaker                                  |      | RM    |        |
|         | 8.00   | Nos.  | Mazdoor Category I                            |      | Each  |        |
|         |  |       | Rate for 30 RM / 3 sq.m. <b>(A)</b>           |      |       |        |
|         |  |       |   |      |       |        |
|         |  |       | <b>Main Data</b>                              |      |       |        |
|         | 30.00  | RM    | Rate as above <b>(A)</b>                      |      | 30 RM |        |
|         | 30.00  | RM    | PVC water bar                                 |      | RM    |        |
|         | 2.00   | Nos.  | Mazdoor Category I                            |      | Each  |        |
|         |  | LS    | Sundries for brushes, spatula, etc.           |      | LS    |        |
|         |  |       | <b>Sub Total for 30 Rm (X)</b>                |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>   |      |       |        |
|         |  |       | <b>Rate for 30 RM</b>                         |      |       |        |
|         |  |       | <b>Rate for 1 RM (B)</b>                      |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>                       |      |       |        |
| 412     | Providing <b>expansion joint 12.5mm width in RCC roof slabs between RCC twin beams using PVC water bar of 150mm wide centre bulb of 4mm to 6mm thickness</b> of approved quality and brand and including filling the inner space with suitable non-absorbent flexible and well compressible filler materials of approved quality and covering the top surface with GI sheet 30cm wide and 1.6mm thick using phill plugs, GI screws, limpet cup washers, bitumen washers, etc., complete complying with standard specifications and as directed by the departmental officers. |       |   |      |       |        |
|         | 30.00  | RM    | Rate as per expansion joint in floor slab (B) |      | RM    |        |
|         |  |       | <b>ADD</b>                                    |      |       |        |
|         | 9.00   | sq.m. | GI sheet 22 gauge, 30cm width                 |      | sq.m. |        |

| Sl. No. | Qty.   | Unit  | Description  | Rate | Per   | Amount |
|---------|--|-------|--|------|-------|--------|
|         | 60.00  | Nos.  | Phill plugs 40mm length  |      | Each  |        |
|         | 60.00  | Nos.  | GI screws 32mm length  |      | Each  |        |
|         | 60.00  | Nos.  | GI limpet cup washers  |      | Each  |        |
|         | 60.00  | Nos.  | Bitumen washers  |      | Each  |        |
|         | 2.00   | Nos.  | Fitter II Class  |      | Each  |        |
|         | 2.00   | Nos.  | Mazdoor Category I   |      | Each  |        |
|         | 0.30   | Cu.m  | Brick jelly lime concrete 1:2:5  |      | Cu.m  |        |
|         |  |       | Total for 30 RM  |      |       |        |
|         |  |       | <b>Sub Total for 1 Rm (X)</b>  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |  |       | <b>Rate for 1 RM</b>   |      |       |        |
| 413     | Providing <b>expansion joint of 12.5mm wide in between RCC twin columns from top of pedastal to full height including filling the inner space with suitable non-absorbent, flexible and well compressible filler materials</b> of approved quality and brand; finishing the sides of RCC columns with polysulphide sealents for a depth of 7.5mm on either side covering the inner space filled with filler materials as above etc., complete complying with standard specifications and as directed by the departmental officers. |       |  |      |       |        |
|         |  |       | Considering an area in between twin columns  |      |       |        |
|         |  |       | = 30 RM x 400mm (average) = Area =   |      | sq.m. |        |
|         | 30.00  | RM    | Rate as per Floor Slab Expansion Joint <b>(A)</b>  |      | 30 RM |        |
|         | 9.45   | sq.m. | Add for extra quantity of filler material required for filling the inner space in between twin columns |      | sq.m. |        |
|         |  | LS    | Add for labour for providing addional quantity of filler materials, brush, spatula, etc.,              |      | LS    |        |
|         |  |       | Total for 12 sq.m.   |      |       |        |
|         |  |       | <b>Sub Total for 1 Sq.m (X)</b>  |      |       |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>  |      |       |        |
|         |  |       | <b>Rate for 1 sq.m.</b>  |      |       |        |
| 414     | Manufacturing, supplying and fixing Precast Reinforced Cement Concrete slabs of following thickness in RCC 1:2:4 (one cement, two crushed stone sand and four aggregates), using following HBGS jelly excluding cost of reinforcement steel in position but including cost of moulding charges, casting of slab, finishing, curing and fixing in position in all floors etc., complete complying with standard specification and as directed by the departmental officers.   |       |  |      |       |        |

| Sl. No. | Qty.   | Unit | Description   | Rate   | Per   | Amount |
|---------|--------|------|---|--------|-------|--------|
| a       |        |      | <b>25mm thick slab (using 10-12mm HBGS Jelly)</b>             |        |       |        |
|         |        |      | Consider a slab of size = 1.00 x 0.45m                        |        |       |        |
|         |        |      | Area = 1 x 1.00 x 0.45  | 0.45   | sq.m. |        |
|         |        |      |   |        |       |        |
|         |        |      | Mould:  |        |       |        |
|         |        |      | Country wood of size 0.025 x 0.025<br>required = 2 x 1.10 =   | 2.20   | RM    |        |
|         |        |      | 2 x 0.55  | 1.10   | RM    |        |
|         |        |      | Total   | 3.30   | RM    |        |
|         |        |      | (or) 3.30 x 0.025 x 0.025 = 0.0020625<br>(or)                 | 0.0021 | Cu.m  |        |
|         |        |      |   |        |       |        |
|         |        |      | CC 1:2:4  |        |       |        |
|         |        |      | 1.00 x 0.45 x 0.025 =   | 0.0113 | Cu.m  |        |
|         |        |      |   |        |       |        |
|         |        |      | <b>Sub-Data for Mould</b>                                     |        |       |        |
|         | 0.0021 | Cu.m | Cost of country wood  |        | Cu.m  |        |
|         | 0.0021 | Cu.m | Labour wrought put up   |        | Cu.m  |        |
|         |        | LS   | Sundries for nails, oiling the mould etc.                     |        | LS    |        |
|         |        |      | Cost for mould for 5 uses                                     |        |       |        |
|         |        |      | <b>Cost for 1 use</b>   |        |       |        |
|         |        |      |   |        |       |        |
|         |        |      | <b>DATA</b>   |        |       |        |
|         | 0.0113 | Cu.m | CC 1:2:4 using 10-12mm HBGS Jelly                             |        | Cu.m  |        |
|         | 1.00   | use  | Cost of mould   |        | 1 use |        |
|         |        | LS   | Add for finishing, curing, lifting and<br>placing in position |        | LS    |        |
|         |        |      | Rate for 0.45 sq.m.   |        |       |        |
|         |        |      | <b>Sub Total for 1 Sq.m (X)</b>                               |        |       |        |
|         |        |      | <b>Add water charges @1% of<br/>Sub Total X</b>               |        |       |        |
|         |        |      | <b>Rate for 1 sq.m.</b>                                       |        |       |        |

| Sl. No. | Qty.   | Unit | Description   | Rate   | Per   | Amount |
|---------|--------|------|---|--------|-------|--------|
| b       |        |      | <b>50mm thick slab (using 20mm HBGS Jelly)</b>                |        |       |        |
|         |        |      | Consider a slab of size = 1.00 x 0.45m                        |        |       |        |
|         |        |      | Area = 1 x 1.00 x 0.45  | 0.45   | sq.m. |        |
|         |        |      |   |        |       |        |
|         |        |      | <b>Mould:</b>   |        |       |        |
|         |        |      | Country wood of size 0.025 x 0.05<br>required = 2 x 1.10 =    | 2.20   | RM    |        |
|         |        |      | 2 x 0.55  | 1.10   | RM    |        |
|         |        |      | Total   | 3.30   | RM    |        |
|         |        |      | (or) 3.30 x 0.050 x 0.025 = 0.004125<br>(or)                  | 0.0041 | Cu.m  |        |
|         |        |      |   |        |       |        |
|         |        |      | <b>CC 1:2:4</b>   |        |       |        |
|         |        |      | 1.00 x 0.45 x 0.05 =  | 0.0225 | Cu.m  |        |
|         |        |      |   |        |       |        |
|         |        |      | <b>Sub-Data for Mould</b>                                     |        |       |        |
|         | 0.0041 | Cu.m | Cost of country wood  |        | Cu.m  |        |
|         | 0.0041 | Cu.m | Labour wrought put up   |        | Cu.m  |        |
|         |        | LS   | Sundries for nails, oiling the mould etc.                     |        | LS    |        |
|         |        |      | Cost for mould for 5 uses                                     |        |       |        |
|         |        |      | <b>Cost for 1 use</b>   |        |       |        |
|         |        |      |   |        |       |        |
|         |        |      | <b>DATA</b>   |        |       |        |
|         | 0.0225 | Cu.m | CC 1:2:4 using 20mm HBGS Jelly                                |        | Cu.m  |        |
|         | 1.00   | use  | Cost of mould   |        | 1 use |        |
|         |        | LS   | Add for finishing, curing, lifting and<br>placing in position |        | LS    |        |
|         |        |      | Rate for 0.45 sq.m.   |        |       |        |
|         |        |      | <b>Sub Total for 1 Sq.m (X)</b>                               |        |       |        |
|         |        |      | <b>Add water charges @1% of<br/>Sub Total X</b>               |        |       |        |
|         |        |      | <b>Rate for 1 sq.m.</b>                                       |        |       |        |

| Sl. No. | Qty.   | Unit | Description   | Rate    | Per   | Amount |
|---------|--------|------|---|---------|-------|--------|
| c       |        |      | <b>75mm thick slab (using 20mm HBGS Jelly)</b>              |         |       |        |
|         |        |      | Consider a slab of size = 1.00 x 0.45m                      |         |       |        |
|         |        |      | Area = 1 x 1.00 x 0.45                                      | 0.45    | sq.m. |        |
|         |        |      |   |         |       |        |
|         |        |      | <b>Mould:</b>   |         |       |        |
|         |        |      | Country wood of size<br>0.025 x 0.075 required = 2 x 1.10 = | 2.20    | RM    |        |
|         |        |      | 2 x 0.55  | 1.10    | RM    |        |
|         |        |      | Total   | 3.30    | RM    |        |
|         |        |      | (or) 3.30 x 0.075 x 0.025 = 0.0061875<br>(or)               | 0.00620 | Cu.m  |        |
|         |        |      |   |         |       |        |
|         |        |      | <b>CC 1:2:4</b>   |         |       |        |
|         |        |      | 1.00 x 0.45 x 0.075 =                                       | 0.03375 | Cu.m  |        |
|         |        |      |   |         |       |        |
|         |        |      | <b>Sub-Data for Mould</b>                                   |         |       |        |
|         | 0.0062 | Cu.m | Cost of country wood  |         | Cu.m  |        |
|         | 0.0062 | Cu.m | Labour wrought put up                                       |         | Cu.m  |        |
|         |        | LS   | Sundries for nails, oiling the mould etc.                   |         | LS    |        |
|         |        |      | Cost for mould for 5 uses                                   |         |       |        |
|         |        |      | <b>Cost for 1 use</b>                                       |         |       |        |
|         |        |      |   |         |       |        |
|         |        |      | <b>DATA</b>   |         |       |        |
|         | 0.0338 | Cu.m | CC 1:2:4 using 20mm HBGS Jelly                              |         | Cu.m  |        |
|         | 1.00   | use  | Cost of mould   |         | 1 use |        |
|         |        | LS   | Add for finishing, curing, lifting and placing in position  |         | LS    |        |
|         |        |      | Rate for 0.45 sq.m.   |         |       |        |
|         |        |      | <b>Sub Total for 1 Sq.m (X)</b>                             |         |       |        |
|         |        |      | <b>Add water charges @1% of Sub Total X</b>                 |         |       |        |
|         |        |      | <b>Rate for 1 sq.m.</b>                                     |         |       |        |

| Sl. No. | Qty.   | Unit | Description   | Rate    | Per   | Amount |
|---------|--|------|---|---------|-------|--------|
|         |  |      | <b>Sub-Data-RCC 1:2:4 in 10-12mm HBGS Jelly</b>         |         |       |        |
|         | 9.00   | Cu.m | Hard broken stones 10-12mm gauge                        |         | Cu.m  |        |
|         | 4.50   | Cu.m | Crushed Stone Sand                                      |         | Cu.m  |        |
|         | 3231.00  | kg   | Cement  |         | M.T   |        |
|         | 3.50   | Nos. | Mason II Class  |         | Each  |        |
|         | 21.20  | Nos. | Mazdoor Category I                                      |         | Each  |        |
|         | 35.30  | Nos. | Mazdoor Category II                                     |         | Each  |        |
|         |  |      | Total for 10 Cu.m                                       |         |       |        |
|         |  |      | <b>Rate for 1 Cu.m</b>                                  |         |       |        |
| 415     | Manufacturing, supplying and fixing in position plain cement concrete precast pavement slab of size 450mm x 450mm of 50mm thick in Cement Concrete 1:2:4 (One cement, Two crushed stone sand and Four jelly) using 20mm HBG stone jelly including cost of moulding charges, casting of slab, finishing, curing, fixing and pointing the slab with CM 1:3 (One Cement and Three Sand) to full depth of slab etc., complete complying with standard specification and as directed by the departmental officers |      |   |         |       |        |
|         |  |      | Pavement slab size = 0.45 x 0.45 x 0.05m                |         |       |        |
|         |  |      | Area = 1 x 0.45 x 0.45                                  | 0.2025  | sq.m. |        |
|         |  |      |   |         |       |        |
|         |  |      | <b>Mould:</b>   |         |       |        |
|         |  |      | Country wood of size 0.025 x 0.05 required = 2 x 0.55 = | 1.10    | RM    |        |
|         |  |      | 2 x 0.55  | 1.10    | RM    |        |
|         |  |      | <b>Total</b>  | 2.20    | RM    |        |
|         |  |      | (or) 2.20 x 0.050 x 0.025 =                             | 0.00275 | Cu.m  |        |
|         |  |      | <b>CC 1:2:4</b>   |         |       |        |
|         |  |      | 1 x 0.45 x 0.45 x 0.05 =                                | 0.0101  | Cu.m  |        |
|         |  |      |   |         |       |        |
|         |  |      | <b>Sub-Data for Mould</b>                               |         |       |        |
|         | 0.00275  | Cu.m | Cost of country wood                                    |         | Cu.m  |        |
|         | 0.00275  | Cu.m | Labour wrought put up                                   |         | Cu.m  |        |
|         |  | LS   | Sundries for nails, oiling the mould etc.               |         | LS    |        |
|         |  |      | Cost for mould for 5 uses                               |         |       |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate   | Per   | Amount |
|---------|---|-------|---|--------|-------|--------|
|         |   |       | <b>Cost for 1 use</b>   |        |       |        |
|         |   |       | <b>Main Data</b>  |        |       |        |
|         | 0.0101  | Cu.m  | PCC 1:2:4   |        | Cu.m  |        |
|         | 1.00  | use   | Cost of mould   |        | use   |        |
|         | 0.20  | sq.m. | Pointing with CM 1:3  |        | sq.m. |        |
|         | LS  |       | Sundries for conveying, fixing, etc.,                                   |        |       |        |
|         |   |       | Rate for 0.2025 sq.m.   |        |       |        |
|         |   |       | <b>Sub Total for 1 Sq.m (X)</b>   |        |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b>                             |        |       |        |
|         |   |       | <b>Rate for 1 sq.m.</b>   |        |       |        |
| 416     | Manufacturing, supplying and fixing in position plain cement concrete precast kerb slab of size 600mm x 600mm x 100mm in Cement Concrete 1:2:4 (One cement, Two crushed stone sand and Four jelly) using 20mm HBG stone jelly including cost of moulding charges, casting of slab, finishing, curing, fixing and pointing the slab with CM 1:3 (One Cement and Three Crushed Stone Sand) to full depth of slab etc., complete complying with standard specification and as directed by the departmental officers. |       |   |        |       |        |
|         |   |       | Kerb slab size = 0.60 x 0.60 x 0.10m                                    |        |       |        |
|         |   |       | Area = 1 x 0.60 x 0.60  | 0.36   | sq.m. |        |
|         |   |       | <b>Mould:</b>   |        |       |        |
|         |   |       | Country wood scantling below 4 metre long = 1 x 4 x 0.70 x 0.10 x 0.025 | 0.007  | cu.m  |        |
|         |   |       | Country wood reepers 50mm x 25mm  |        |       |        |
|         |   |       | <b>CC 1:2:4</b>   |        |       |        |
|         |   |       | 1 x 0.60 x 0.60 x 0.10 =  | 0.0360 | Cu.m  |        |
|         |   |       | <b>Sub-Data for Mould</b>   |        |       |        |
|         | 0.007   | Cu.m  | Cost of country wood scantling  |        | Cu.m  |        |
|         | 0.007   | Cu.m  | Labour wrought put up   |        | Cu.m  |        |
|         |   | LS    | Sundries for nails, oiling the mould etc.                               |        | LS    |        |
|         |   |       | Cost for mould for 5 uses   |        |       |        |
|         |   |       | <b>Cost for 1 use</b>   |        |       |        |

| Sl. No. | Qty.  | Unit  | Description   | Rate   | Per   | Amount |
|---------|---|-------|---|--------|-------|--------|
|         |   |       | <b>Main Data</b>                                    |        |       |        |
|         | 0.036   | Cu.m  | PCC 1:2:4   |        | Cu.m  |        |
|         | 1.00  | use   | Cost of mould                                       |        | use   |        |
|         | 0.36  | sq.m. | Pointing with CM 1:3                                |        | sq.m. |        |
|         | LS  |       | Sundries for conveying, fixing, etc.,               |        | LS    |        |
|         |   |       | Rate for 0.36 sq.m.                                 |        |       |        |
|         |   |       | <b>Sub Total for 1 Sq.m (X)</b>                     |        |       |        |
|         |   |       | <b>Add water charges @1% of Sub Total X</b>         |        |       |        |
|         |   |       | <b>Rate for 1 sq.m.</b>                             |        |       |        |
| 417     | Manufacturing, supplying and fixing in position of <b>RCC Jally of 5cm thick in cement concrete 1:2:4 using 20mm machine crushed stone jelly</b> (excluding cost of reinforcement steel) including cost of mould, finishing, curing, lifting, fixing in position etc., complete complying with standard specification and as directed by the departmental officers. |       |   |        |       |        |
|         |   |       | Consider a jally of size of 1.20 x 0.60m            |        |       |        |
|         |   |       | Area = 1 x 1.20 x 0.60 =                            | 0.72   | sq.m. |        |
|         |   |       | <b>Mould:</b>                                       |        |       |        |
|         |   |       | Country wood scantling of size 50mm x 25mm required |        |       |        |
|         |   |       | Assuming 60% of volume for design                   |        |       |        |
|         |   |       | Outer frame = 2 x 1.30                              | 2.60   | RM    |        |
|         |   |       | = 2 x 0.60  | 1.20   | RM    |        |
|         |   |       | Total   | 3.80   | RM    |        |
|         |   |       | 3.8 x 0.05 x 0.25 =                                 | 0.0048 |       |        |
|         |   |       | Country wood scantling required                     |        |       |        |
|         |   |       | Inner solid wood<br>= 1 x 1.20 x 0.60 x 0.05 =      | 0.0360 |       |        |
|         |   |       | <b>Total</b>  | 0.0408 | Cu.m  |        |
|         |   |       | Concrete (assuming 60% of volume for concrete)      |        |       |        |
|         |   |       | = 1 x 1.20 x 0.60 x 0.05 x 0.60                     | 0.0216 | Cu.m  |        |
|         |   |       | Country wood reeper required<br>1.20 + 0.55 x 2.00  | 3.500  | RM    |        |
|         |   |       |   |        |       |        |

| Sl. No. | Qty.   | Unit | Description   | Rate | Per   | Amount |
|---------|--|------|---|------|-------|--------|
|         |  |      | <b>Sub-Data for Mould</b>   |      |       |        |
|         | 0.0408   | Cu.m | Country wood scantling  |      | Cu.m  |        |
|         | 3.50   | RM   | Country wood reeper 50mm x 25mm   |      | RM    |        |
|         | 0.0408   | Cu.m | Labour wrought put up   |      | Cu.m  |        |
|         | 0.0408   | Cu.m | Add extra 100% for skilled work for making mould to the required design |      | Cu.m  |        |
|         |  | LS   | Sundries for nails, etc.,   |      | LS    |        |
|         |  |      | Cost of mould for 5 uses  |      |       |        |
|         |  |      | <b>Cost for 1 use</b>   |      |       |        |
|         |  |      |   |      |       |        |
|         |  |      | <b>MAIN DATA</b>  |      |       |        |
|         | 0.0216   | Cu.m | RCC 1:2:4   |      | Cu.m  |        |
|         | 1.00   | use  | Cost of mould   |      | 1 use |        |
|         |  | LS   | Sundries for finishing, curing, lifting, fixing in position, etc.       |      | LS    |        |
|         |  |      | Rate for 0.72 sq.m.   |      |       |        |
|         |  |      | <b>Sub Total for 1 Sq.m (X)</b>   |      |       |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>                             |      |       |        |
|         |  |      | <b>Rate for 1 sq.m.</b>   |      |       |        |
| 418     | supplying and fixing of Hollow pressed steel door frames for single leaf and double leaved door using pressed steel frame of size 105x60mm using mild sheet of 1.25mm thick (18gauge) special profile extruded section.The pressed steel frame should be as per IS4351/1976.The rate in inclusive of hold fasts and provision to aldrup tower bolt hinges and lock plate etc,with one coat of zinc chnomate yellow primer and filling the inside hallow portion with cement concrete 1:2:4 using 20mm HBG stone jelly etc,complete complying with standard specification and as directed by the departmental officers. |      |   |      |       |        |
|         | 1.00   | Rm   | Cost of Steel frame   |      | Rm    |        |
|         | 0.0063   | cu.m | PCC 1:2:4   |      | cu.m  |        |
|         |  |      |   |      |       |        |
|         |  |      | <b>Sub Total for 1 Rm (X)</b>   |      |       |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>                             |      |       |        |
|         |  |      | <b>Rate for 1 RM</b>  |      |       |        |
| 419     | <b>Supplying and Fixing MS Ladder width 45cm using 50x50x6mm MS Angle.</b>   |      |   |      |       |        |
|         |  |      | 50x50x6mm Angle required.   |      |       |        |

| Sl. No. | Qty.  | Unit | Description   | Rate  | Per   | Amount |
|---------|---|------|---|-------|-------|--------|
|         |   |      | side= 1x2x3   | 6m    |       |        |
|         |   |      | 6.00x4.42 Kg/m  |       | 26.52 |        |
|         |   |      | Step = 1x10x0.40  | 4m    |       |        |
|         |   |      | 4.00x3.48 Kg/m  |       | 13.92 |        |
|         |   |      |   | 40.44 | kg    |        |
|         |   |      | Primer area   |       |       |        |
|         |   |      | 50x50x6mm Angle = 6x0.20                                  | 1.20  |       |        |
|         |   |      |   | 0.64  |       |        |
|         |   |      |   | 1.84  | sq.m  |        |
|         |   |      | <b>Main Data</b>  |       |       |        |
|         | 40.44   | kg   | Cost of M.S.Angle   |       | kg    |        |
|         | 40.44   | kg   | Labour chargess   |       | kg    |        |
|         | 1.84  | sq.m | Priming one coat  |       | sq.m  |        |
|         | LS  |      | Conveyance  |       |       |        |
|         |   |      | Rate for 3 RM   |       |       |        |
|         |   |      | <b>Sub Total for 1 Rm (X)</b>                             |       |       |        |
|         |   |      | <b>Add water charges @1% of Sub Total X</b>               |       |       |        |
|         |   |      | <b>Rate for 1 RM</b>                                      |       |       |        |
| 420     | Providing <b>two legged</b> scaffolding using 15cm diameter blue-gum posts or casuarina posts of best quality bamboo posts of 4m over all length (3m+0.5m projection+0.5m into the ground) the distance between the two rows being 1.25m and the spacing of posts being 2m in both the rows with two horizontal posts with 0.5m overlap on either side and braces at 2m c/c including longitudinal and transverse middle braces to step up and providing a platform with country wood planks of 40mm thick and 1m width etc., in a complete form using coir and nails 1m run. |      |   |       |       |        |
|         |   |      | Rate for 6 run.m  |       |       |        |
|         | 70.00   | Rm   | 13cm to 15cm. diameter posts (Casuarina or bamboo posts ) |       | Rm    |        |
|         | 0.30  | Cu.m | Country wood planks (upto 30cm wide-40mm tk)              |       | Cu.m  |        |
|         |   |      | Total cost of materials                                   |       |       |        |
|         |   |      | Materials can be used for 10 times                        |       |       |        |
|         |   |      | Cost per operation  |       |       |        |
|         |   |      |   |       |       |        |

| Sl. No. | Qty.   | Unit  | Description   | Rate   | Per  | Amount |
|---------|--|-------|---|--------|------|--------|
|         |  |       | Detailed data   |        |      |        |
|         |  |       | Cost of materials for one operation                               |        |      |        |
|         | 2.00   | nos   | Mazdoor Category I  |        | Each |        |
|         |  | LS    | Coir, nails etc.,   |        |      |        |
|         |  |       | Total for 6 Rm  |        |      |        |
|         |  |       | <b>Sub Total for 1 Rm (X)</b>                                     |        |      |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                       |        |      |        |
|         |  |       | <b>Rate for 1 Rm</b>  |        |      |        |
|         |  |       | <b>Rate for scaffolding for a height of 3m and a length of 1m</b> |        |      |        |
| 421     | Supplying and fixing of marble of 0.61*1.22m.,18/20mm thick in all floors for <b>urinal partition</b> including for labour charges for fixing and polishing etc.,  |       |   |        |      |        |
|         | 0.74   | sq.m. | Cost of marble slab   |        | sq.m |        |
|         | 2.00   | Nos   | Clamp with bolts & nuts   |        | Each |        |
|         |  | LS    | Labour for fixing   |        | LS   |        |
|         |  | LS    | Cement mortar & dismantling and redoing the same                  |        | LS   |        |
|         |  | LS    | Nozing edges and polishing  |        | LS   |        |
|         |  |       | Rate for 0.74 sq.m  |        |      |        |
|         |  |       | <b>Sub Total for 1 sq.m (X)</b>                                   |        |      |        |
|         |  |       | <b>Add water charges @1% of Sub Total X</b>                       |        |      |        |
|         |  |       | <b>Rate for 1 sq.m</b>  |        |      |        |
| 422     | Manufacturing supplying and fixing in position of <b>teracotta jally 20x20x5cm</b> thick approved quality and design in cement slurry including cost of materials labour curing lifting fixing in position etc, complete complying with standard specification and as directed by the departmental officers in all floors. |       |   |        |      |        |
|         |  |       | Consider a size 3.00x3.00m  |        |      |        |
|         |  |       | Area  | 9.00   | sq.m |        |
|         |  |       | No.of tiles required<br>3.00x3.00/0.20x0.20                       | 225.00 | Each |        |
|         |  |       | Wastage 5%  | 11.25  | Each |        |
|         |  |       | Total   | 236.25 | Each |        |
|         | 236.25   | nos   | Cost of teracotta tiles 20x20x5cm                                 |        | Each |        |
|         | 50.00  | kg    | Cement  |        | MT   |        |

| Sl. No. | Qty.   | Unit | Description                                       | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         | 3.00   | nos  | Mason I class                                     |      | Each |        |
|         | 2.00   | nos  | Mazdoor Category I                                |      | Each |        |
|         | 2.00   | nos  | Mazdoor Category II                               |      | Each |        |
|         |  | LS   | Sundries for red oxide                            |      | LS   |        |
|         |  |      | Total for 9 sq.m                                  |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>                   |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>       |      |      |        |
|         |  |      | <b>Rate for 1 sq.m</b>                            |      |      |        |
| 423     | Providing Black board in two layers with first layer in cement mortar 1:5 (one cement and five crushed stone sand)20mm thick and the second layer in Combination mortar 1:1:6(one cement one lime and six crushed stone sand) 20mm thick and providing band all round the block board in c.m 1:5 (one cement and five crushed stone sand) for 20mm thick and 50mm width including cost of one coat of block oxide paint of approved quality complying with standard specification. |      |   |      |      |        |
|         |  |      | <b>plastering with CM 1:5,20mm thick-10sq.m</b>   |      |      |        |
|         | 0.22   | Cu.m | Cement mortar 1:5                                 |      | Cu.m |        |
|         | 2.20   | Nos. | Mason I Class                                     |      | Each |        |
|         | 0.50   | Nos. | Mazdoor Category I                                |      | Each |        |
|         | 3.20   | Nos. | Mazdoor Category II                               |      | Each |        |
|         |  |      | Total for 10 sq.m.                                |      |      |        |
|         |  |      | <b>Rate for 1 sq.m.</b>                           |      |      |        |
|         |  |      | <b>Combination mortar 1:1:6-20mm thick 10sq.m</b> |      |      |        |
|         | 53.00  | kg   | Cost of cement                                    |      | MT   |        |
|         | 0.03   | cu.m | Slacked lime                                      |      | Cu.m |        |
|         | 0.22   | cu.m | Cost of Crushed Stone Sand                        |      | Cu.m |        |
|         | 0.22   | cu.m | Mixing charges                                    |      | Cu.m |        |
|         | 2.20   | nos  | Mason I class                                     |      | Each |        |
|         | 0.50   | nos  | Mazdoor Category I                                |      | Each |        |
|         | 3.20   | nos  | Mazdoor Category II                               |      | Each |        |
|         |  |      | Total for 10 sq.m                                 |      |      |        |
|         |  |      | Rate for 1 sq.m                                   |      |      |        |

| Sl. No. | Qty. | Unit | Description   | Rate | Per  | Amount |
|---------|------|------|---|------|------|--------|
|         |      |      | <b>Black board painting -10 sq.m</b>  |      |      |        |
|         | 1.44 | lit  | Black oxide paint   |      | lit  |        |
|         | 0.70 | nos  | Painter I class   |      | Each |        |
|         |      |      | Total for 10 sq.m   |      |      |        |
|         |      |      | Rate for 1 sq.m   |      |      |        |
|         |      |      | <b>MAIN DATA</b>  |      |      |        |
|         |      |      | <b>Consider a black board of size 2.2mx1.0m</b>   |      |      |        |
|         | 2.20 | sq.m | Plastering with CM 1:5,20mm thick   |      | sq.m |        |
|         | 2.00 | sq.m | Combination mortar 1:1:6  |      | sq.m |        |
|         | 1.71 | sq.m | Black oxide paint   |      | sq.m |        |
|         |      |      |   |      |      |        |
|         |      |      | Total for 2.20 sq.m   |      |      |        |
|         |      |      | <b>Sub Total for 1 sq.m (X)</b>   |      |      |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|         |      |      | <b>Rate for 1 sq.m</b>  |      |      |        |
| 424     |      |      | <b>Providing Ferrocement architectural structures like column sunshade etc,for appearance purpose in c.m 1:2 -5mm thick reinforced with 6mm rods and stirrups covered with chicken mesh plastered and painted to finish.</b>  |      |      |        |
|         | 0.05 | cu.m | C.M 1:2   |      | cu.m |        |
|         | 3.30 | kg   | Cost of steel   |      | Qtl  |        |
|         | 2.50 | sq.m | Chicken mesh  |      | sq.m |        |
|         | 0.04 | nos  | Mason I class   |      | Each |        |
|         | 0.08 | nos  | Mazdoor Category I  |      | Each |        |
|         |      | LS   | Sundries  |      | LS   |        |
|         |      |      | <b>Sub Total for 1 sq.m (X)</b>   |      |      |        |
|         |      |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|         |      |      | <b>Rate for 1 sq.m</b>  |      |      |        |
| 425     |      |      | Supplying and laying of Interlocking Paver Block Stone 60mm thick Over a base layer of crushed stone sandfilling incl. Cost of materials laying and Labour charges etc complete complying with the standard specification and as directed by the departmental officers. |      |      |        |

| Sl. No. | Qty.   | Unit | Description                                   | Rate | Per  | Amount |
|---------|--|------|---|------|------|--------|
|         | 10.00  | Sq.m | Interlocking Paver block stone 60mm thick     |      | Sq.m |        |
|         | 1.80   | Nos. | Mason I Class                                 |      | Each |        |
|         | 3.60   | Nos. | Mason II Class                                |      | Each |        |
|         | 2.20   | Nos. | Mazdoor I Category                            |      | Each |        |
|         | 2.20   | Nos. | Mazdoor II Category                           |      | Each |        |
|         | 0.50   | No.  | Stone cutter I class                          |      | Each |        |
|         | 0.08   | Cu.m | crushed stone sandfilling                     |      | Cu.m |        |
|         |  |      | Total for 10 sq.m.                            |      |      |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>               |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|         |  |      | <b>Rate for 1sq.m.</b>                        |      |      |        |
| 426     | Skirting the wall with fine polished Granite Stone Slabs best quality to the size & variety in Cement mortar 1:2 in all floors etc., complete complying with standard specifications and as directed by the departmental officers. |      |   |      |      |        |
|         | 10.00  | Sq.m | Fine Polished Granite Slab of size: variety : |      | Sq.m |        |
|         | 0.14   | Cu.m | Cement mortar 1:2                             |      | Cu.m |        |
|         | 5.00   | Kg   | Colour Cement                                 |      | kg   |        |
|         | 5.00   | Kg   | Cement slurry                                 |      | MT   |        |
|         | 7.00   | Nos. | Mason 1 class                                 |      | Each |        |
|         | 7.00   | Nos. | Mazdoor Category I                            |      | Each |        |
|         | 1.00   | Nos. | Mazdoor Category II                           |      | Each |        |
|         | 1.00   | Nos. | Stone cutter 1 class                          |      | Each |        |
|         | 0.50   | Kg   | Cotton waste                                  |      | 1 kg |        |
|         |  |      | <b>Sub Total for 1 sq.m (X)</b>               |      |      |        |
|         |  |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|         |  |      | <b>Rate for 1sq.m.</b>                        |      |      |        |

| <b>Sl. No.</b> | <b>Qty.</b>  | <b>Unit</b> | <b>Description</b>   | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|----------------|--|-------------|--|-------------|------------|---------------|
| 427            | Supplying and fixing Mild Steel grills for windows, ventilators etc.,complete complying with standard specifications and as directed by the departmental officers. |             |  |             |            |               |
|                | 1.00   | kg          | Supplying Mild Steel grills for windows, ventilators etc.,including priming coat as per SOR Item No.M-0196 |             | kg         |               |
|                | 1.00   | kg          | Fixing in position of MS Grills as per SOR item no : W-0168  |             | kg         |               |
|                |  |             | <b>Sub Total for 1 kg (X)</b>  |             |            |               |
|                |  |             | <b>Add water charges @1% of Sub Total X</b>  |             |            |               |
|                |  |             | <b>Rate for 1 kg</b>   |             |            |               |

## JOINERIES

| Sl. No | Qty  | Description of work  | Rate | Per  | Amount |
|--------|------|--|------|------|--------|
| 428    |      | Supplying and fixing <b>solid core flush shutter</b> of following type with thickness <b>and necessary T.W. internal lipping alround conforming to IS 2202-1(1999)</b> including cost of wind appliances and furniture fittings such as <b>3 Nos of SS 304 Grade Parliament Hinges of Size (125mm x 150mm)</b> , 2 Nos 300x12mm aluminium tower bolt 1 No. 200x12mm aluminium tower bolts 1no. 250x16mm aluminium aldrops, 2 nos. 200mm 'D' type aluminium door handle and door stopper with bush etc., complete complying with standard specification and as directed by the departmental officers - <b>Single leaf.</b><br><b>Door Shutter Type :</b><br><b>Thickness:</b> |      |      |        |
|        | a)   | Single leaf:   |      |      |        |
|        |      | Consider a door of size 1.00m x 2.10m  | 2.10 | Sq.m |        |
|        |      | Shutter size 0.91x2.05   | 1.87 | Sq.m |        |
|        |      | M.D.F Board = 0.91 x 2.05  | 1.87 | Sq.m |        |
|        |      | Add 10% Wastage  | 0.19 | Sq.m |        |
|        |      |  | 2.06 | Sq.m |        |
|        |      | <b>Main data</b>   |      |      |        |
|        | 2.06 | Sq.m<br>Solid core flush door shutters<br>Type:<br>Thickness:  |      | Sq.m |        |
|        | 3.00 | Nos<br>SS 304 Grade Parliament Hinges of Size<br>(125mm x 150mm)   |      | Each |        |
|        | 2.00 | Nos<br>300x12mm Alu.tower bolt   |      | Each |        |
|        | 1.00 | Nos<br>200x12 Alu.tower bolt   |      | Each |        |
|        | 1.00 | Nos<br>Alu. 250x16mm aldrop  |      | Each |        |
|        | 2.00 | Nos<br>Alu.200 mm 'D' type handle  |      | Each |        |
|        | 1.00 | Nos<br>Alu.Door stopper with Rubber bush   |      | Each |        |
|        | 1.87 | Sq.m<br>Labour charges for making the flush door -<br>single leaf  |      | Sq.m |        |
|        | 1.87 | Sq.m<br>Labour charges for fixing doors with<br>frames   |      | Sq.m |        |
|        |      | LS<br>Conveyance charges, dismantling and<br>redoing to original position  |      | LS   |        |
|        |      | Rate for 1.87Sq.m  |      |      |        |
|        |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |      | <b>Add water charges @1% of<br/>Sub Total X</b>  |      |      |        |
|        |      | <b>Rate for 1 Sq.m</b>   |      |      |        |

| Sl. No | Qty  | Description of work  | Rate   | Per  | Amount |
|--------|------|--|--|------|--------|
| 429    |      | Supplying and fixing <b>solid core flush shutter</b> of following type with thickness <b>and necessary T.W. internal lipping around conforming to IS 2202-1(1999)</b> including cost of wind appliances and furniture fittings such as <b>6 Nos of SS 304 Grade Parliament Hinges of Size (125mm x 150mm)</b> , 3 Nos. 300x12mm aluminium tower bolt 1 No. 200x12mm aluminium tower bolts 1no. 250x16mm aluminium aldrops, 3 nos. 200mm 'D' type aluminium door handle and door stopper with bush etc., complete complying with standard specification and as directed by the departmental officers - <b>Double leaf.</b><br><b>Door Shutter Type :</b><br><b>Thickness:</b> |  |      |        |
|        |      | Double leaf:   |  |      |        |
|        |      | Consider a door of size 1.50 x 2.10 M  | 3.15   | Sq.m |        |
|        |      | Shutter size 2x0.705x2.05  | 2.89   | Sq.m |        |
|        |      | M.D.F Board = 2x0.705x2.05   | 2.89   | Sq.m |        |
|        |      | Add 10% Wastage  | 0.29   | Sq.m |        |
|        |      |  | 3.18   | Sq.m |        |
|        |      | <b>Main data</b>   |  |      |        |
|        | 3.18 | Sq.m   | Solid core flush door shutters<br>Type:<br>Thickness:            | Sq.m |        |
|        | 6.00 | Nos  | SS 304 Grade Parliament Hinges of Size (125mm x 150mm)           | Each |        |
|        | 3.00 | Nos  | 300x12mm Alu.tower bolt  | Each |        |
|        | 1.00 | Nos  | 200x12 Alu.tower bolt  | Each |        |
|        | 1.00 | Nos  | Alu. 250x16mm aldrip   | Each |        |
|        | 3.00 | Nos  | 200 mm Alu.'D' type handle                                       | Each |        |
|        | 2.00 | Nos  | Alu.Door stopper with Rubber bush                                | Each |        |
|        | 2.89 | Sq.m   | Labour charges for making the flush door - Double leaf           | Sq.m |        |
|        | 2.89 | Sq.m   | Labour charges for fixing doors with frames                      | Sq.m |        |
|        |      | LS   | Conveyance charges, dismantling and redoing to original position | LS   |        |
|        |      |  | Rate for 2.89Sq.m  |      |        |
|        |      |  | <b>Sub Total for 1 Sq.m (X)</b>                                  |      |        |
|        |      |  | <b>Add water charges @1% of Sub Total X</b>                      |      |        |
|        |      |  | <b>Rate for 1 Sq.m</b>   |      |        |

| Sl. No | Qty  | Description of work   | Rate              | Per  | Amount |
|--------|------|---|-------------------|------|--------|
| 430    |      | Supplying and fixing <b>Medium Density Fibre board (SBG I)</b> of exterior grade of following type with thickness conforming to IS 12406 / 2003 with necessary adhesive and C.P. screws, including fixing of aldrops, tower bolts, hinges and lock strike plates, putty, fevical, varnish for T.W. lipping with thinner colouring agent etc., The rate includes cost of materials and cost for furniture fittings such as 3 nos <b>SS 304 Grade Parliament Hinges of required Size (125mm x 150mm)</b> , 1 no Alu. aldrops 250 x 16mm, 2no Alu. tower bolt of 300x12mm and 1 no Alu. tower bolt of 200x12mm, 2 Nos Alu. Handles, 1 no door stopper with rubber bush incase of Single leaf door, cost of labour charges for fixing in position etc., complete. All Aluminium furniture fittings are to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1968 for anodic film thickness of not less than 15 microns, The rate is inclusive cost of fevical and fixing charges, transportation, loading, unloading and all other incidental charges, handling charges etc., complete complying with standard specification and as directed by the departmental officers - <b>Single leaf.</b><br><b>Door Shutter Type :</b><br><b>Thickness:</b> |                   |      |        |
|        |      | Single leaf:  |                   |      |        |
|        |      | Consider a door of size 1.00m x 2.10m   | 2.1               | Sq.m |        |
|        |      | Shutter size 0.91x2.05  | 1.87              | Sq.m |        |
|        |      | M.D.F Board = 0.91 x 2.05   | 1.87              | Sq.m |        |
|        |      | Add 10% Wastage   | 0.19              | Sq.m |        |
|        |      |   | 2.06              | Sq.m |        |
|        |      | Requirement on lipping =2(0.91+2.05)=   | 5.92              | RM   |        |
|        |      | <b>Main data</b>  |                   |      |        |
|        | 2.06 | Sq.m MDF Board Type:<br>Thickness:  |                   | Sq.m |        |
|        | 3.00 | Nos SS 304 Grade Parliament Hinges of Size (125mm x 150mm)  |                   | Each |        |
|        | 2.00 | Nos 300x12mm Alu.tower bolt   |                   | Each |        |
|        | 1.00 | Nos 200x12 Alu.tower bolt   |                   | Each |        |
|        | 1.00 | Nos Alu. 250x16mm aldrops   |                   | Each |        |
|        | 2.00 | Nos Alu.200 mm 'D' type handle  |                   | Each |        |
|        | 1.00 | Nos Alu.Door stopper with Rubber bush   |                   | Each |        |
|        | 1.87 | Sq.m Labour charges for making the flush door - single leaf   |                   | Sq.m |        |
|        | 1.87 | Sq.m Labour charges for fixing with frames  |                   | Sq.m |        |
|        |      | LS LS for Screws, nails, Dismantling, redoing etc   |                   | LS   |        |
|        |      |   | Rate for 1.87Sq.m |      |        |

| Sl. No | Qty  | Description of work  | Rate   | Per  | Amount |
|--------|------|--|--|------|--------|
|        |      | <b>Sub Total for 1 Sq.m (X)</b>  |  |      |        |
|        |      | <b>Add water charges @1% of Sub Total X</b>  |  |      |        |
|        |      | <b>Rate for 1 Sq.m</b>   |  |      |        |
| 431    |      | <p>Supplying and fixing door shutters for <b>Medium Density Fibre board (SBG I) of exterior grade</b> of following type with thickness conforming to IS 12406 / 2003 with 35 x 12mm T.W. on all edges with necessary adhesive and C.P. screws, including fixing of aldrops, tower bolts, hinges and lock strike plates, putty, fevical, varnish for T.W. lipping with thinner colouring agent etc., The rate includes cost of materials and cost for furniture fittings such as 6 nos <b>SS 304 Grade Parliament Hinges of required Size (125mm x 150mm)</b>, 1 no Alu. aldrop 250 x 16mm, 2nos Alu. tower bolt of 300x12mm and 1 no Alu. tower bolt of 200x12mm, 3 Nos Alu. Handles, 2 nos door stopper with rubber bush incase of Double leaf door cost of labour charges for fixing in position etc., complete. All Aluminium furniture fittings are to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1968 for anodic film thickness of not less than 15 microns, The rate is inclusive cost of fevical and fixing charges, transportation, loading, unloading and all other incidental charges, handling charges etc., complete complying with standard specification and as directed by the departmental officers - Double leaf.</p> <p><b>Door Shutter Type :</b><br/><b>Thickness:</b></p> |  |      |        |
|        |      | Supplying and fixing solid core particle board flush shutter of 30x32mm thick with necessary T.W. internal lipping with both sides commercil ply 3mm thick including wind appliances and furniture fittings.   |  |      |        |
|        |      | Double leaf:   |  |      |        |
|        |      | Consider a door of size 1.50 x 2.10 M  | 3.15   | Sq.m |        |
|        |      | Shutter size 2x0.705x2.05  | 2.89   | Sq.m |        |
|        |      | M.D.F Board = 2.00x0.705x2.05  | 2.89   | Sq.m |        |
|        |      | Add 10% Wastage  | 0.29   | Sq.m |        |
|        |      |  | 3.18   | Sq.m |        |
|        |      | Requirement for lipping = $2(2(0.705+2.05))=$  | 11.02  | RM   |        |
|        |      | <b>Main data</b>   |  |      |        |
|        | 3.18 | Sq.m   | MDF Board Type:<br>Thickness:                          | Sq.m |        |
|        | 6.00 | Nos  | SS 304 Grade Parliament Hinges of Size (125mm x 150mm) | Each |        |
|        | 3.00 | Nos  | 300x12mm Alu.tower bolt                                | Each |        |
|        | 1.00 | Nos  | 200x12 Alu.tower bolt                                  | Each |        |
|        | 1.00 | Nos  | Alu. 250x16mm aldrop                                   | Each |        |
|        | 3.00 | Nos  | Alu.200 mm 'D' type handle                             | Each |        |

| Sl. No | Qty  |      | Description of work                                      | Rate | Per  | Amount |
|--------|------|------|--|------|------|--------|
|        | 2.00 | Nos  | Alu.Door stopper with Rubber bush                        |      | Each |        |
|        | 2.89 | Sq.m | Labour charges for making the flush door/<br>Double Leaf |      | Sq.m |        |
|        | 2.89 | Sq.m | Labour charges for fixing with frames                    |      | Sq.m |        |
|        |      | LS   | LS for Screws, nails, Dismantling, redoing<br>etc        |      | LS   |        |
|        |      |      | Rate for 2.89Sq.m  |      |      |        |
|        |      |      | <b>Sub Total for 1 Sq.m (X)</b>                          |      |      |        |
|        |      |      | <b>Add water charges @1% of<br/>Sub Total X</b>          |      |      |        |
|        |      |      | <b>Rate for 1 Sq.m</b>                                   |      |      |        |

| Sl. No | Qty  | Description of work   | Rate  | Per  | Amount |
|--------|------|---|---|------|--------|
| 432    |      | Supplying and fixing <b>solid core flush shutter</b> of following type with thickness <b>with necessary T.W. internal lipping alround conforming to IS 2202-1(1999)</b> including cost of wind appliances and furniture fittings such as <b>3 Nos SS 304 Grade Butt Hinges of size (125mm x 30mm)</b> , 2 Nos .300x12mm aluminium tower bolt 1 No. 200x12mm aluminium tower bolts 1no. 250x16mm aluminium aldrops, 2 nos. 200mm 'D' type aluminium door handle and door stopper with bush etc., complete complying with standard specification and as directed by the departmental officers - Single leaf.<br><b>Door Shutter Type :</b><br><b>Thickness:</b> |   |      |        |
|        | a)   | <b>Single leaf:</b>   |   |      |        |
|        |      | Consider a door of size 1.00m x 2.10m   | 2.10  | Sq.m |        |
|        |      | Shutter size 0.91x2.05  | 1.87  | Sq.m |        |
|        |      | M.D.F Board = 0.91 x 2.05   | 1.87  | Sq.m |        |
|        |      | Add 10% Wastage   | 0.19  | Sq.m |        |
|        |      |   | 2.06  | Sq.m |        |
|        |      | <b>Main data</b>  |   |      |        |
|        | 2.06 | Sq.m Solid core flush door shutter<br>Type:<br>Thickness:   |   | Sq.m |        |
|        | 3.00 | Nos SS 304 Grade Butt Hinges of size (125mm x 30mm)   |   | Each |        |
|        | 2.00 | No 300x12mm Alu.tower bolt  |   | Each |        |
|        | 1.00 | No 200x12 Alu.tower bolt  |   | Each |        |
|        | 1.00 | No Alu. 250x16mm aldrops  |   | Each |        |
|        | 2.00 | No Alu.200 mm 'D' type handle   |   | Each |        |
|        | 1.00 | Nos Alu.Door stopper with Rubber bush   |   | Each |        |
|        | 1.87 | Sq.m Labour charges for making the flush door- single Leaf  |   | Sq.m |        |
|        | 1.87 | Sq.m Labour charges for fixing doors with frames  |   | Sq.m |        |
|        |      | LS Conveyance charges, dismantling and redoing to original position   |   | LS   |        |
|        |      |   | Rate For 1.87Sq.m                           |      |        |
|        |      |   | <b>Sub Total for 1 Sq.m (X)</b>             |      |        |
|        |      |   | <b>Add water charges @1% of Sub Total X</b> |      |        |
|        |      |   | <b>Rate for 1 Sq.m</b>                      |      |        |

| Sl. No | Qty  | Description of work   | Rate   | Per  | Amount |
|--------|------|---|--|------|--------|
| 433    |      | Supplying and fixing <b>solid core flush shutter</b> of following type with thickness <b>with necessary T.W. internal lipping alround conforming to IS 2202-1(1999)</b> including cost of wind appliances and furniture fittings such as <b>6 Nos of SS 304 Grade Butt Hinges of size (125mm x 30mm)</b> , 3 Nos. 300x12mm aluminium tower bolt 1 No. 200x12mm aluminium tower bolts 1no. 250x16mm aluminium aldrops, 3 nos. 200mm 'D' type aluminium door handle and door stopper with bush etc., complete complying with standard specification and as directed by the departmental officers - <b>Double leaf.</b><br><br><b>Door Shutter Type :</b><br><b>Thickness:</b> |  |      |        |
|        |      | <b>Double leaf:</b>   |  |      |        |
|        |      | Consider a door of size 1.50 x 2.10 M   | 3.15   | Sq.m |        |
|        |      | Shutter size 2x0.705x2.05   | 2.89   | Sq.m |        |
|        |      | M.D.F Board = 2x0.705x2.05  | 2.89   | Sq.m |        |
|        |      | Add 10% Wastage   | 0.29   | Sq.m |        |
|        |      |   | 3.18   | Sq.m |        |
|        |      | <b>Main data</b>  |  |      |        |
|        | 3.18 | Sq.m  | Solid core flush door shutters Type:<br>Thickness:               | Sq.m |        |
|        | 6.00 | Nos   | SS 304 Grade Butt Hinges of size<br>(125mm x 30mm)               | Each |        |
|        | 3.00 | Nos   | 300x12mm Alu.tower bolt  | Each |        |
|        | 1.00 | No  | 200x12 Alu.tower bolt  | Each |        |
|        | 1.00 | No  | Alu. 250x16mm aldrop   | Each |        |
|        | 3.00 | Nos   | 200 mm Alu.'D' type handle                                       | Each |        |
|        | 2.00 | Nos   | Alu.Door stopper with Rubber bush                                | Each |        |
|        | 2.89 | Sq.m  | Labour charges for making the flush door - Double leaf           | Sq.m |        |
|        | 2.89 | Sq.m  | Labour charges for fixing doors with frames                      | Sq.m |        |
|        |      | LS  | Conveyance charges, dismantling and redoing to original position | LS   |        |
|        |      |   | Rate for 2.89Sq.m  |      |        |
|        |      |   | <b>Sub Total for 1 Sq.m (X)</b>                                  |      |        |
|        |      |   | <b>Add water charges @1% of Sub Total X</b>                      |      |        |
|        |      |   | <b>Rate for 1 Sq.m</b>   |      |        |

| Sl. No | Qty  | Description of work   | Rate | Per  | Amount |
|--------|------|---|------|------|--------|
| 434    |      | Supplying and fixing <b>Medium Density Fibre board (SBG I)</b> of exterior grade of following type with thickness conforming to IS 12406 / 2003 with necessary adhesive and C.P. screws, including fixing of aldrops, tower bolts, hinges and lock strike plates, putty, fevical, varnish for T.W. lipping with thinner colouring agent etc., The rate includes cost of materials and cost for furniture fittings such as 3 nos <b>SS 304 Grade Butt Hinges of size (125mm x 30mm)</b> , 1 no Alu. aldrip 250 x 16mm, 2no Alu. tower bolt of 300x12mm and 1 no Alu. tower bolt of 200x12mm, 2 Nos Alu. Handles, 1 no door stopper with rubber bush incase of Single leaf door cost of labour charges for fixing in position etc., complete. All Aluminium furniture fittings are to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1968 for anodic film thickness of not less than 15 microns, The rate is inclusive cost of fevical and fixing charges, transportation, loading, unloading and all other incidental charges, handling charges etc., complete complying with standard specification and as directed by the departmental officers - <b>Single leaf.</b><br><b>Door Shutter Type :</b><br><b>Thickness:</b> |      |      |        |
|        |      | <b>Single leaf:</b>   |      |      |        |
|        |      | Consider a door of size 1.00m x 2.10m   | 2.10 | Sq.m |        |
|        |      | Shutter size 0.91x2.05  | 1.87 | Sq.m |        |
|        |      | M.D.F Board = 0.91 x 2.05   | 1.87 | Sq.m |        |
|        |      | Add 10% Wastage   | 0.19 | Sq.m |        |
|        |      |   | 2.06 | Sq.m |        |
|        |      | Requirement on lipping<br>=2(0.91+2.05)=  | 5.92 | RM   |        |
|        |      | <b>Main data</b>  |      |      |        |
|        | 2.06 | Sq.m MDF Board Type:<br>Thickness:  |      | Sq.m |        |
|        | 3.00 | Nos SS 304 Grade Butt Hinges of size<br>(125mm x 30mm)  |      | Each |        |
|        | 2.00 | No 300x12mm Alu.tower bolt  |      | Each |        |
|        | 1.00 | Nos 200x12 Alu.tower bolt   |      | Each |        |
|        | 1.00 | No Alu. 250x16mm aldrip   |      | Each |        |
|        | 2.00 | No Alu.200 mm 'D' type handle   |      | Each |        |
|        | 1.00 | No Alu.Door stopper with Rubber bush  |      | Each |        |
|        | 1.87 | Sq.m Labour charges for making the flush<br>door - single leaf  |      | Sq.m |        |
|        | 1.87 | Sq.m Labour charges for fixing with frames  |      | Sq.m |        |

| Sl. No | Qty   |      | Description of work                             | Rate  | Per  | Amount |
|--------|---|------|---|-------|------|--------|
|        |   | LS   | LS for Screws, nails, Dismantling, redoing etc  |       | LS   |        |
|        |   |      | Rate for 1.87Sq.m                               |       |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>                 |       |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>     |       |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>                          |       |      |        |
| 435    | <p>Supplying and fixing <b>Medium Density Fibre board (SBG I) of exterior grade of following type with thickness</b> conforming to IS 12406 / 2003 with 35 x 12mm T.W. on all edges with necessary adhesive and C.P. screws, including fixing of aldrops, tower bolts, hinges and lock strike plates, putty, fevical, varnish for T.W. lipping with thinner colouring agent etc., The rate includes cost of materials and cost for furniture fittings such as 6 nos <b>SS 304 Grade Butt Hinges of size (125mm x 30mm)</b>, 1 no Alu. aldrops 250 x 16mm, 2nos Alu. tower bolt of 300x12mm and 1 no Alu. tower bolt of 200x12mm, 3 Nos Alu. Handles, 2 nos door stopper with rubber bush incase of Double leaf door cost of labour charges for fixing in position etc., complete. All Aluminium furniture fittings are to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1968 for anodic film thickness of not less than 15 microns, The rate is inclusive cost of fevical and fixing charges, transportation, loading, unloading and all other incidental charges, handling charges etc., complete complying with standard specification and as directed by the departmental officers - Double leaf.</p> <p><b>Door Shutter Type :</b><br/><b>Thickness:</b></p> |      |   |       |      |        |
|        |   |      | T.N.B.P. No. 72 and 74.                         |       |      |        |
|        |   |      | <b>Double leaf:</b>                             |       |      |        |
|        |   |      | Consider a door of size 1.50 x 2.10 M           | 3.15  | Sq.m |        |
|        |   |      | Shutter size 2x0.705x2.05                       | 2.89  | Sq.m |        |
|        |   |      | M.D.F Board = 2.00x0.705x2.05                   | 2.89  | Sq.m |        |
|        |   |      | Add 10% Wastage                                 | 0.29  | Sq.m |        |
|        |   |      |   | 3.18  | Sq.m |        |
|        |   |      | Requirement for lipping = $2(2(0.705+2.05))=$   | 11.02 | RM   |        |
|        |   |      | <b>Main data</b>                                |       |      |        |
|        | 3.18  | Sq.m | MDF Board Type:<br>Thickness:                   |       | Sq.m |        |
|        | 6.00  | Nos  | SS 304 Grade Butt Hinges of size (125mm x 30mm) |       | Each |        |
|        | 3.00  | No s | 300x12mm Alu.tower bolt                         |       | Each |        |

| <b>Sl. No</b> | <b>Qty</b> |      | <b>Description of work</b>                             | <b>Rate</b> | <b>Per</b> | <b>Amount</b> |
|---------------|------------|------|--|-------------|------------|---------------|
|               | 1.00       | Nos  | 200x12 Alu.tower bolt                                  |             | Each       |               |
|               | 1.00       | No   | Alu. 250x16mm aldrop                                   |             | Each       |               |
|               | 3.00       | Nos  | Alu.200 mm 'D' type handle                             |             | Each       |               |
|               | 2.00       | No   | Alu.Door stopper with Rubber bush                      |             | Each       |               |
|               | 2.89       | Sq.m | Labour charges for making the flush door - Double leaf |             | Sq.m       |               |
|               | 2.89       | Sq.m | Labour charges for fixing with frames                  |             | Sq.m       |               |
|               |            | LS   | LS for Screws, nails, Dismantling, redoing etc         |             | LS         |               |
|               |            |      | Rate for 2.89Sq.m                                      |             |            |               |
|               |            |      | <b>Sub Total for 1 Sq.m (X)</b>                        |             |            |               |
|               |            |      | <b>Add water charges @1% of Sub Total X</b>            |             |            |               |
|               |            |      | <b>Rate for 1 Sq.m</b>                                 |             |            |               |

| Sl. No | Qty | Description of work  | Rate  | Per | Amount |
|--------|-----|--|-------|-----|--------|
| 436    |     | Manufacturing supplying and fixing of Fully Panelled <b>steel door</b> with the following specification MS angels of size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames, stiffeners with 32 x 6mm M.S flat is provided at required intervals in the shutter frame. 18-gauge C.R. sheet laid as panel in the shutter and welded intact. M.S. flat 18x5mm is welded over the 32 x 6mm M.S. flat sandwiching the C.R. sheet in between additional stiffeners with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. 3nos. of <b>Steel Parliament Hinges of Size 125mm x 150mm</b> in case of single leaf and 6nos. of <b>Steel Parliament Hinges of Size 125mm x 150mm</b> in double leaves shutter to be provided. 6nos. of holdfasts 200 mm in length made of angle section spliced at the ends are welded to the outer frames of the door. Tower bolts 3 nos, one at the top, one at lock rail(Inner) and the other at the bottom are provided 1no. Aldrop is provided at lock rail section in the door 2 Nos of 200mm handle are to be provided. One rotating locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear side of the door at an appropriate place. Incase of double leaf door M.S.Flat 32 x 3mm at 1.1Kg/m is provided on the one shutter t conceal the gap between the two shutters. at an appropriate place in the door. A tie bar is provided at the bottom of the frame to prevent twisting of frame during transportation and fixing. All members are given a coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation to site of work, loading, un loading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Single leaf of size 1.00m x 2.10m. |       |     |        |
|        |     | <b>a. Single Leaf 1.00x2.10m (Fully paneled)</b>   |       |     |        |
|        |     | Materials required   |       |     |        |
|        |     | Outer frame  |       |     |        |
|        |     | Horizotal 1X1.00 =1.00 M   |       |     |        |
|        |     | Vertical 2X2.10 =4.20 M  |       |     |        |
|        |     | 5.20 M   |       |     |        |
|        |     | 5.20mx3.50 kg/m  | 18.20 | kg  |        |
|        |     | Shutter frame  |       |     |        |
|        |     | Vertical 2 x 2.088 = 4.18 M  |       |     |        |
|        |     | Horizotal 1 X 0.988 =1.98 M  |       |     |        |
|        |     | 6.16 M   |       |     |        |
|        |     | 6.16mx2.60 kg  | 16.02 | kg  |        |
|        |     | Tie bar by using 32x6mm flat   |       |     |        |
|        |     | 1No.x1.00x1.50kg/m   | 1.50  | kg  |        |
|        |     | Lock rail for fixing aldrop in MS flat 32x6mm  |       |     |        |
|        |     | 1x0.988x1.50kg   | 1.482 | kg  |        |
|        |     | Stiffeners at rear side Horizontal   |       |     |        |

| Sl. No | Qty   |      | Description of work   | Rate  | Per  | Amount |
|--------|-------|------|---|-------|------|--------|
|        |       |      | 1x0.988x3x0.70kg  | 2.08  | kg   |        |
|        |       |      | Diagonal  |       |      |        |
|        |       |      | 1x1.21x6x0.70kg   | 5.08  | kg   |        |
|        |       |      | 32x3mm in one side Total Weight   | 44.36 | kg   |        |
|        |       |      | Add 5% wastage  | 2.22  | kg   |        |
|        |       |      |   | 46.58 | kg   |        |
|        |       |      | Area CR sheet required  |       |      |        |
|        |       |      | 1x0988x2.088x9.80kg   | 20.22 | kg   |        |
|        |       |      | Add 5% wastage  | 1.01  | kg   |        |
|        |       |      |   | 21.23 | kg   |        |
|        |       |      | Painting area = 1x2.10x1.00x2.20  | 4.62  | Sq.m |        |
|        |       |      | <b>Main Data</b>  |       |      |        |
|        | 46.58 | kg   | Ms Angle & Flats  |       | kg   |        |
|        | 21.23 | kg   | 18GCRS  |       | kg   |        |
|        | 64.58 | kg   | Labour for cutting sheets, angles fabrication & finishing   |       | kg   |        |
|        | 4.62  | Sq.m | Priming Coat  |       | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length  |       | Each |        |
|        | 3.00  | Nos  | Steel Parliament Hinges of Size 125mm x 150mm   |       | Each |        |
|        | 2.00  | Nos  | Steel Tower Bolt 250mm long 12mm dia  |       | Each |        |
|        | 1.00  | No   | Steel Tower Bolt 200mm long 12mm dia  |       | Each |        |
|        | 1.00  | No   | Steel Aldrop 250mm long 16mm dia  |       | Each |        |
|        | 2.00  | Nos  | Ms Handle 200mm long  |       | Each |        |
|        | 2.10  | Sq.m | Labour for fixing the Door & furniture fittings   |       | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, wind appliances, Chipping/Masonry concrete & making good the damaged portion |       | LS   |        |
|        |       |      | Rate for 2.10 Sq.m  |       |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>   |       |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>   |       |      |        |

| Sl. No | Qty | Description of work  | Rate                              | Per  | Amount |
|--------|-----|--|-----------------------------------|------|--------|
|        |     | <b>Rate for 1 Sq.m</b>   |                                   |      |        |
| 437    |     | <p>Manufacturing supplying and fixing of Fully panelled <b>steel door</b> with the following specification <b>MS angels</b> of size <b>40x40x6mm</b> are used for the outer frames and M.S. angles of size 35x35x6mm for the shutter frames stiffeners with 32 x 6mm M.S flat is provided at required intervals in the shutter frame. 18-gauge C.R. sheet laid as panel in the shutter and welded intact. M.S. flat 18x5mm is welded over the 32 x 6mm M.S. flat sandwiching the C.R. sheet in between additional stiffeners with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter, 3nos. of <b>Steel Parliament Hinges of Size 125mm x 150mm</b> in case of single leaf and 6nos. of <b>Steel Parliament Hinges of Size 125mm x 150mm</b> in double leaves shutter to be provided 6nos. of holdfasts 200 mm in length made of angle section spliced at the ends are welded to the outer frames of the door. Tower bolts 4nos. One the top of each shutter, one at lock rail and the other at the bottom are provided. 1no. Aldrop is provided at lock rail section in the door 3 Nos of handle are to be provided, one more aldrop is provided in the inner lock rail section of the door One rotating locking arrangements for the inner side of the door and additional provision for locking arrangements for lock is provided on the rear side of the door at an appropriate place. Incase of double leaf door M.S.Flat 32 x 3mm at 1.1Kg/m is provided on the one shutter to conceal the gap between the two shutters. at an appropriate place in the door. A tie bar is provided at the bottom of the frame to prevent twisting of frame during transportation and fixing. All members are given a coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, transportation to site of work, loading, un loading and all other incidental charges etc.,complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.20m x 2.10m.</p> |                                   |      |        |
|        |     |  |                                   |      |        |
|        |     | <b>b, Double Leaf</b>  | <b>1.20x2.10m (Fully paneled)</b> |      |        |
|        |     | Area   | 2.52                              | Sq.m |        |
|        |     | Door outer frame 40x40x6<br>(2.10x2)+(1.20x1)=5.40x3.50kg/m  | 18.90                             | kg   |        |
|        |     | shutter frame 35x35x6/2(2x2.088)+2x0.594)<br>=10.728x2.60kg/m  | 27.89                             | kg   |        |
|        |     | Tie bar1x1.2=1.2x1.5   | 1.80                              |      |        |
|        |     | Vertical rod 1 x 2.10 x 1.10 kg/m  | 2.31                              |      |        |
|        |     | Stiffeners with MS flats of 32x6mm   |                                   |      |        |
|        |     | 6Nosx2x0.594x0.70kg/m  | 4.99                              | kg   |        |
|        |     | Diagonal flats 2x2x0.688x1.5kg/m   | 4.13                              | kg   |        |
|        |     |  | 60.02                             | kg   |        |
|        |     | Add 5% wastage   | 3.00                              | kg   |        |
|        |     | Total steel weight   | 63.02                             | kg   |        |
|        |     | CR sheet 18G=2X0.594X2.088X9.80kg<br>24.31kg/m   | 24.31                             |      |        |

| Sl. No | Qty   | Description of work                   |   | Rate  | Per  | Amount |
|--------|-------|---------------------------------------|---|-------|------|--------|
|        |       | Add 5% wastage                        |   | 1.22  |      |        |
|        |       |                                       |   | 25.53 |      |        |
|        |       | Painting priming coat=2x0.6x2.10x2.20 |   | 5.54  |      |        |
|        |       | <b>Main Data</b>                      |   |       |      |        |
|        | 63.02 | kg                                    | Ms Angle & Flats  |       | kg   |        |
|        | 25.53 | kg                                    | 18GCRS  |       | kg   |        |
|        | 84.33 | kg                                    | Labour for cutting sheets, angles fabrication & finishing   |       | kg   |        |
|        | 5.54  | Sq.m                                  | Priming Coat  |       | Sq.m |        |
|        | 6.00  | Nos                                   | Hold Fast 200mm length  |       | Each |        |
|        | 6.00  | Nos                                   | Steel Parliament Hinges of Size 125mm x 150mm   |       | Each |        |
|        | 3.00  | Nos                                   | Tower Bolt 250mm long 12mm dia  |       | Each |        |
|        | 1.00  | No                                    | Tower Bolt 200mm long 12mm dia  |       | Each |        |
|        | 1.00  | No                                    | Aldrop 250mm long 16mm dia  |       | Each |        |
|        | 3.00  | Nos                                   | Ms Handle 200mm long  |       | Each |        |
|        | 2.52  | Sq.m                                  | Labour for fixing the Door & furniture fittings   |       | Sq.m |        |
|        |       | LS                                    | Conveyance, Handling, Scaffolding, wind appliances, Chipping/Masonry concrete & making good the damaged portion |       | LS   |        |
|        |       |                                       | Rate for 2.52Sq.m   |       |      |        |
|        |       |                                       | <b>Sub Total for 1 Sq.m (X)</b>   |       |      |        |
|        |       |                                       | <b>Add water charges @1% of Sub Total X</b>   |       |      |        |
|        |       |                                       | <b>Rate for 1 Sq.m</b>  |       |      |        |

| Sl. No | Qty | Description of work   | Rate   | Per | Amount |
|--------|-----|---|--------|-----|--------|
| 438    |     | Manufacturing, supplying and fixing of 1/3 panelled and 2/3 grided steel doors with the following specification M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for 1/3 bottom portion of the shutter. M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sandwiching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. The balance 2/3 portion at top is provided with grill at an average weight of 20kg/sq.m and 3 Nos Steel Parliament Hinges of Size 125mm x 150mm incase single leaves shutter to be provided, 6 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for double leaves shutter to be provided, 6nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 3 nos, one at the top, one at lock rail(Inner) and the other at the bottom are provided. one aldrop is provided at on appropriate place in the door. 2Nos of handle are to be provided. A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, taxes, transportation to site of work, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Single leaf of size 1.00m x 2.10m. |        |     |        |
|        |     | <b>Single Leaf 1.00x2.10m ( 1/3 panned &amp; 2/3 grided)</b>  |        |     |        |
|        |     | Door outer frame 40x40x3  |        |     |        |
|        |     | (2.10x2)+(1.00x1)x3.50kg/m  | 18.2   | Kg  |        |
|        |     | Shutter frame<br>35x35x6(2x2.088)+2x0.988)<br>x2.60kg/m   | 16.00  | Kg  |        |
|        |     | Stiffeners with MS flats of 32x6mm  |        |     |        |
|        |     | 1Nox0.988x1.50kg/m  | 1.482  | Kg  |        |
|        |     | Diagonal flats 1x0.60x1.50kg  | 0.90   | Kg  |        |
|        |     |   | 36.582 | Kg  |        |
|        |     | Add 5% for wastage  | 1.829  |     |        |
|        |     | Total steel weight  | 38.41  | Kg  |        |
|        |     | CRC Sheet<br>18G=0.988x2.088/3x9.80kg   | 6.74   | Kg  |        |
|        |     | Add 5% for wastage  | 0.37   |     |        |
|        |     | Total   | 7.11   | Kg  |        |
|        |     | M.S.Grill 0.988x2.088x2/3x20kg  | 27.51  | Kg  |        |
|        |     | Add 5% for wastage  | 1.38   |     |        |
|        |     |   | 28.89  | Kg  |        |

| Sl. No | Qty   |      | Description of work   | Rate | Per  | Amount |
|--------|-------|------|---|------|------|--------|
|        |       |      | Painting Priming coat   |      |      |        |
|        |       |      | (2.10-1.38x2.20)  | 1.59 | Sq.m |        |
|        |       |      | <b>Main Data</b>  |      |      |        |
|        | 38.41 | kg   | Ms Angle & Flats  |      | kg   |        |
|        | 7.11  | kg   | 18GCRS  |      | kg   |        |
|        | 28.89 | kg   | MS Grill with fixing  |      | kg   |        |
|        | 43.32 | kg   | Labour for cutting sheets, angles fabrication & finishing   |      | kg   |        |
|        | 1.59  | Sq.m | Priming Coat  |      | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length  |      | Each |        |
|        | 3.00  | Nos  | Steel Parliament Hinges of Size 125mm x 150mm   |      | Each |        |
|        | 2.00  | Nos  | Steel Tower Bolt 250mm long 12mm dia  |      | Each |        |
|        | 1.00  | No   | Steel Tower Bolt 200mm long 12mm dia  |      | Each |        |
|        | 1.00  | No   | Steel Aldrop 250mm long 16mm dia  |      | Each |        |
|        | 2.00  | Nos  | Ms Handle 200mm long  |      | Each |        |
|        | 2.10  | Sq.m | Labour charges for fixing the door and furniture fittings   |      | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, wind appliances, Chipping/Masonry concrete & making good the damaged portion |      | LS   |        |
|        |       |      | Rate for 2.10Sq.m   |      |      |        |
|        |       |      | <b>Sub Total 1 Sq.m (X)</b>   |      |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>  |      |      |        |

| Sl. No | Qty | Description of work  | Rate  | Per  | Amount |
|--------|-----|--|-------|------|--------|
| 439    |     | Manufacturing, supplying and fixing 1/3 panelled and 2/3 grilled steel doors with the following specification M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for 1/3 bottom portion of the shutter. M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sandwiching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. The balance 2/3 portion at top is provided with grill at an average weight of 20kg/sq.m, 3 Nos Steel Parliament Hinges of Size 125mm x 150mm incase single leaves shutter to be provided and 6 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for double leaves shutter to be provided 6nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 4nos. One the top of each shutter, one at lock rail (Inner side) and the other at the bottom are provided. one aldrop is provided at on appropriate place in the door.3 Nos of handle are to be provided, A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour ,charges, taxes, ransportation to site of work, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.20m x 2.10m. |       |      |        |
|        |     | <b>Double Leaf 1.20x2.10m ( 1/3 paneled&amp; 2/3 grilled)</b>  |       |      |        |
|        |     | Door of size 1.20x2.10m  | 2.52  | Sq.m |        |
|        |     | Area   |       |      |        |
|        |     | Door outer frame 40x40x3   |       |      |        |
|        |     | $(2.10 \times 2) + (1.20 \times 1) = 5.40 \times 3.50 \text{kg/m}$   | 18.90 | Kg   |        |
|        |     | Shutter frame<br>$35 \times 35 \times 5 (2 \times 2.088) + 2 \times 0.594 \times 2$<br>$= 10.728 \times 2.60 \text{kg/m}$  | 27.89 | Kg   |        |
|        |     | Die bar : 1 x 1.2 x 1.5 kg/m   | 1.80  | Kg   |        |
|        |     | Stiffeners with MS flatsof 32x6mm  |       |      |        |
|        |     | 2Nosx2x0.594x1.50kg/m  | 3.56  | Kg   |        |
|        |     | Vertical bar 1 x 2.10 x 1.10 kg/m  | 2.31  | Kg   |        |
|        |     | Diagonal flats 2x2x0.688x1.50kg  | 4.13  | Kg   |        |
|        |     |  | 58.59 | Kg   |        |
|        |     | Add 5% for wastage   | 2.93  |      |        |
|        |     | Total steel weight   | 61.52 | Kg   |        |
|        |     | CRC Sheet<br>$18G = 2 \times 0.594 \times 2.088 / 3 \times 9.80 \text{kg}$   | 8.10  | Kg   |        |
|        |     | Add 5% for wastage   | 0.40  |      |        |
|        |     | Total  | 8.50  | Kg   |        |

| Sl. No | Qty   |      | Description of work   | Rate  | Per  | Amount |
|--------|-------|------|---|-------|------|--------|
|        |       |      | Grill 2x0.594x2.088x2/3kg   |       |      |        |
|        |       |      | 1.65x20   | 33.07 | Kg   |        |
|        |       |      | Add 5% for wastage  | 1.65  | Kg   |        |
|        |       |      |   | 34.72 | Kg   |        |
|        |       |      | 18.90+27.89+3.56.4.13   |       |      |        |
|        |       |      | Painting Priming coat   | 1.914 | Sq.m |        |
|        |       |      | 2.524-1.65=0.87Sq.<br>mx2.2=1.914Sq.m   |       |      |        |
|        |       |      | <b>Main Data</b>  |       |      |        |
|        | 61.52 | kg   | Ms Angle & Flats  |       | Kg   |        |
|        | 8.50  | kg   | 18GCRS  |       | Kg   |        |
|        | 34.72 | kg   | MS Grill  |       | Kg   |        |
|        | 66.69 | kg   | Labour for cutting sheets, angles<br>fabrication & finishing  |       | Kg   |        |
|        | 1.914 | Sq.m | Priming Coat  |       | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length  |       | Each |        |
|        | 6.00  | Nos  | Steel Parliament Hinges of Size<br>125mm x 150mm  |       | Each |        |
|        | 3.00  | Nos  | Steel Tower Bolt250mm long 12mm<br>dia  |       | Each |        |
|        | 1.00  | No   | Steel Tower Bolt200mm long 12mm<br>dia  |       | Each |        |
|        | 1.00  | No   | Steel Aldrop 250mm long 16mm dia  |       | Each |        |
|        | 3.00  | Nos  | Ms Handle 200mm long  |       | Each |        |
|        | 2.52  | Sq.m | Labour for fixing the Door &furniture<br>fittings   |       | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding,<br>wind appliances, Chipping/<br>Masonry concrete & making good the<br>damaged portion |       | LS   |        |
|        |       |      | Rate for 2.52Sq.m   |       |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>   |       |      |        |
|        |       |      | <b>Add water charges @1% of<br/>Sub Total X</b>   |       |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>  |       |      |        |

| Sl. No | Qty         | Description of work  | Rate  | Per  | Amount |
|--------|-------------|--|-------|------|--------|
| 440    |             | Manufacturing, supplying and fixing of 1/3 panelled and 2/3 grilled steel doors with the following specification M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for <b>1/3 bottom portion of the shutter</b> . M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sand witching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. <b>The balance 2/3 portion at top is provided with grill</b> at an average weight of 20kg/sq.m and 6 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for double leaves shutter to be provided 6nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 4nos. One the top of each shutter, one at lock rail (Inner side) and the other at the bottom are provided. one aldrop is provided at an appropriate place in the door.3 Nos of handle are to be provided. A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges,taxes, transportation to site of work, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.50m x 2.10m. |       |      |        |
|        | Double leaf | Door size 1.5 X 2.1M ( 1/3 panned & 2/3 grilled)   | 3.15  | Sq.m |        |
|        |             | Materials required   |       |      |        |
|        |             | Outer frame 40x40x6mm  |       |      |        |
|        |             | Vertical 1x2x2.1   | 4.20  | m    |        |
|        |             | Horizontal 1x1x1.50  | 1.50  | m    |        |
|        |             | 5.7x3.5Kg/m  | 19.95 | Kg   |        |
|        |             | Shutter frame 35x35x5mm  |       |      |        |
|        |             | Vertical 1x2x2x2.088 =   | 8.35  | Kg   |        |
|        |             | Horizontal 2x2x0.744   | 2.98  | Kg   |        |
|        |             | 11.33x2.6Kg/m  | 29.46 | Kg   |        |
|        |             | Intermediate J Section in betn Grill & CR sheet 2x0.744x2.28Kg   | 3.39  | Kg   |        |
|        |             | Tie bar 32x6mm flat 1x1.5x1.5Kg  | 2.25  | Kg   |        |
|        |             | Stiffeners 18x 5 mm MS flat at rear side   |       | Kg   |        |
|        |             | Horizontal 2x1x0.744x0.7 Kg  | 1.04  | Kg   |        |
|        |             | Diagonal 2x2x0.821x0.7 Kg  | 2.30  | Kg   |        |
|        |             | MS flat 32x3mm@ edge of CR Sheet 1x.7x1.1KG  | 0.77  | Kg   |        |
|        |             | Total  | 59.16 | Kg   |        |
|        |             | Add 5% wastage   | 2.96  | Kg   |        |
|        |             |  | 62.12 | Kg   |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      | CR Sheet reqd. 1x2x0.74x0.7x9.8 Kg/Sq.m  | 10.19 | kg   |        |
|        |       |      | Add 5% wastage   | 0.51  | kg   |        |
|        |       |      |  | 10.70 | kg   |        |
|        |       |      | MS grill of 20kg/Sq.m<br>1x2x0.744x1.4x20kg/Sq.m   | 41.6  | kg   |        |
|        |       |      | Add 5% wastage   | 2.08  | kg   |        |
|        |       |      |  | 43.68 | kg   |        |
|        |       |      | Painting Red oxide primer<br>1.5x2.1=3.15Sq.m-2.08Sq.m   | 1.07  | Sq.m |        |
|        |       |      | 1.07x2.2   | 2.35  | Sq.m |        |
|        |       |      | <b>Main Data</b>   |       |      |        |
|        | 62.12 | kg   | MS angles & Flats  |       | kg   |        |
|        | 10.70 | kg   | CR sheet 18 gauge  |       | kg   |        |
|        | 43.68 | kg   | MS grill of appd design 20kg/Sq.m including fabrication charges                                      |       | kg   |        |
|        | 69.35 | Kg   | Labour charges for cutting welding and fabrication of angles sheets in position & fixing             |       | kg   |        |
|        | 2.35  | Sq.m | Priming coat   |       | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length   |       | Each |        |
|        | 6.00  | Nos  | Steel Parliament Hinges of Size 125mm x 150mm  |       | Each |        |
|        | 3.00  | Nos  | Steel Tower Bolt 250mm long 12mm dia   |       | Each |        |
|        | 1.00  | Nos  | Steel Tower Bolt 200mm long 12mm dia   |       | Each |        |
|        | 1.00  | No   | Steel Aldrop 250mm long 16mm dia   |       | Each |        |
|        | 3.00  | Nos  | Ms Handle 200mm long   |       | Each |        |
|        | 3.15  | Sq.m | labour charges for fixing door   |       | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, wind appliances Chipping masonry, concrete etc & redoing the same |       | LS   |        |
|        |       |      | Rate for 3.15Sq.m  |       |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>  |       |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>  |       |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |       |      |        |

| Sl. No | Qty         | Description of work   | Rate  | Per  | Amount |
|--------|-------------|---|-------|------|--------|
| 441    |             | Manufacturing, supplying and fixing of 1/3 panelled and 2/3 grided with glazing steel doors with the following specification M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for <b>1/3 bottom portion of the shutter</b> . M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sand witching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. <b>The balance 2/3 portion at top is provided with grill at an average weight of 20kg/sq.m with 3mm pin headed glass used for glazing and fixed with 15x12 mm teakwood beading</b> and 6 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for double leaves shutter to be provided 6nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 4nos. One the top of each shutter, one at lock rail (Inner side) and the other at the bottom are provided. one aldrip is provided at an appropriate place in the door.3 Nos of handle are to be provided. A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges,taxes, transportation to site of work , loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.50m x 2.10m. |       |      |        |
|        | Double leaf | Door size 1.50 X 2.10 m (1/3 panned & 2/3 grided with glazing)  | 3.15  | Sq.m |        |
|        |             | Materials required  |       |      |        |
|        |             | Outer frame 40x40x6mm   |       |      |        |
|        |             | Vertical 1x2x2.1  | 4.20  | m    |        |
|        |             | Horizontal 1x1x1.50   | 1.50  | m    |        |
|        |             | 5.7x3.5Kg/m   | 19.95 | Kg   |        |
|        |             | Shutter frame 35x35x5mm   |       |      |        |
|        |             | Vertical 1x2x2x2.088 =  | 8.35  | M    |        |
|        |             | Horizontal 2x2x0.744  | 2.98  | M    |        |
|        |             | 11.33x2.6Kg/m   | 29.46 | Kg   |        |
|        |             | Intermediate J Section in betn Grill & CR sheet<br>2x0.744x2.28Kg   | 3.39  | Kg   |        |
|        |             | Tie bar 32x6mm flat 1x1.5x1.5Kg   | 2.25  | Kg   |        |
|        |             | Stiffeners 18x 5 mm MS flat at rear side  |       |      |        |
|        |             | Horizontal 2x1x0.744x0.7 Kg   | 1.04  | Kg   |        |
|        |             | Diagonal 2x2x0.821x0.7 Kg   | 2.30  | Kg   |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      | MS flat 32x3mm@ edge of CR Sheet<br>1x.7x1.1KG   | 0.77  | Kg   |        |
|        |       |      | Total  | 59.16 | Kg   |        |
|        |       |      | Add 5% wastage   | 2.96  | Kg   |        |
|        |       |      |  | 62.12 | Kg   |        |
|        |       |      | CR Sheet reqd. 1x2x0.74x0.7x9.8 Kg/<br>Sq.m  | 10.19 | kg   |        |
|        |       |      | Add 5% wastage   | 0.51  | kg   |        |
|        |       |      |  | 10.70 | kg   |        |
|        |       |      | MS grill of 20kg/Sq.m<br>1x2x0.744x1.4x20kg/Sq.m   | 41.6  | kg   |        |
|        |       |      | Add 5% wastage   | 2.08  | kg   |        |
|        |       |      |  | 43.68 | kg   |        |
|        |       |      | Painting Red oxide primer<br>1.5x2.1=3.15Sq.m-2.08Sq.m   | 1.07  | Sq.m |        |
|        |       |      | 1.07x2.2   | 2.35  | Sq.m |        |
|        |       |      | 3mm tk pin headed glass<br>1x2x0.744x1.40  | 2.08  | Sq.m |        |
|        |       |      | Add 10% wastage  | 0.21  | Sq.m |        |
|        |       |      |  | 2.29  | Sq.m |        |
|        |       |      | Teak wood beading 2x2(0.744+1.40)  | 8.58  | Rm   |        |
|        |       |      | <b>Main Data</b>   |       |      |        |
|        | 62.12 | kg   | MS angles & Flats  |       | kg   |        |
|        | 10.70 | kg   | CR sheet18 gauge   |       | kg   |        |
|        | 43.68 | kg   | MS grill of appd design 20kg/Sq.m<br>includingfabrication charges                              |       | kg   |        |
|        | 2.29  | Sq.m | 3mm thick Pinheaded glass  |       | Sq.m |        |
|        | 8.58  | Rm   | Teakwood Beading 15mm x 12mm   |       | Rm   |        |
|        | 69.35 | Kg   | Labour charges for cutting welding<br>and fabrication of angles sheets in<br>position & fixing |       | kg   |        |
|        | 2.35  | Sq.m | Priming coat   |       | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length   |       | Each |        |
|        | 6.00  | Nos  | Steel Parliament Hinges of Size<br>125mm x 150mm   |       | Each |        |
|        | 3.00  | Nos  | Steel Tower Bolt250mm long 12mm<br>dia   |       | Each |        |

| Sl. No | Qty  |      | Description of work   | Rate | Per  | Amount |
|--------|--|------|---|------|------|--------|
|        | 1.00   | No   | Steel Tower Bolt 200mm long 12mm dia  |      | Each |        |
|        | 1.00   | No   | Steel Aldrop 250mm long 16mm dia  |      | Each |        |
|        | 3.00   | Nos  | Ms Handle 200mm long  |      | Each |        |
|        | 3.15   | Sq.m | labour charges for fixing door  |      | Sq.m |        |
|        | LS   |      | Conveyance, Handling, Scaffolding, wind appliances, Chipping masonry, concrete etc & redoing the same |      | LS   |        |
|        |  |      | Rate for 3.15 Sq.m  |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>   |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 442    | <p>Manufacturing, supplying and fixing of <b>Entrance steel door Single leaf covered</b> with the following specification. M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for <b>1/3 bottom portion of the shutter</b>. M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sand witching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. The balance <b>2/3 portion at top is provided with grill</b> at an average weight of 20 kg/sq.m <b>with 300mm height of fixed glazing at top with 3mm thick Pin Headed glass</b> including 3 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for single leaf shutter to be provided, 6 nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 3 nos, one at the top, one at lock rail (Inner Side) and the other at the bottom are provided. One aldrop is provided at an appropriate place in the door. 2Nos of handle are to be provided. A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officer. The rate includes cost of all materials, labour, charges, taxes, transportation to site of work, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Single leaf of size 1.00m x 2.40m.</p> |      |   |      |      |        |
|        |  |      | Single leaf: (1/3 paneled & 2/3 grided with top ventilator glazing)                                   |      |      |        |
|        |  |      | Area 1.00 x 2.40 = 2.40 Sq.m  |      |      |        |
|        |  |      | Door size 1.00 X 2.10 = 2.10M   |      |      |        |
|        |  |      | Fixed glazing at top 1.00 x 0.3m  |      |      |        |
|        |  |      | Vertical 2x2.40   | 4.80 | Kg   |        |
|        |  |      | Horizontal 1x1.0  | 1.00 | Kg   |        |
|        |  |      | Materials required  |      |      |        |

| Sl. No | Qty | Description of work                         | Rate  | Per  | Amount |
|--------|-----|---|-------|------|--------|
|        |     | Outer frame 40x40x6mm MS Angle at 3.50 kg/m |       |      |        |
|        |     | Vertical 2x2.4                              | 4.80  | m    |        |
|        |     | Horizontal 1x1                              | 1.00  | m    |        |
|        |     |   | 5.80  | m    |        |
|        |     | 5.80x3.5Kg/m                                | 20.30 | Kg   |        |
|        |     | Shutter frame 35x35mm at 2.60kg/m           |       |      |        |
|        |     | Vertical 2x2.06                             | 4.12  |      |        |
|        |     | Horizontal 2x0.96                           | 1.92  |      |        |
|        |     |   | 6.04  |      |        |
|        |     | 6.04x2.6Kg/m                                | 15.70 | Kg   |        |
|        |     | For fixed portion (0.26+0.92)<br>x2.60kg/m  | 3.07  | Kg   |        |
|        |     | MS flat 1No x 0.96x1.50 kg/m                | 1.44  | Kg   |        |
|        |     | Stiffeners at rear side                     |       |      |        |
|        |     | Horizontal 0.92x2x0.70 Kg/m                 | 1.29  | Kg   |        |
|        |     | Diagonal 1.16x2x0.70 Kg                     | 1.62  | Kg   |        |
|        |     | Total weight of MS flats and angles         | 43.42 | Kg   |        |
|        |     | Add 5% wastage                              | 2.17  | Kg   |        |
|        |     |   | 45.59 | Kg   |        |
|        |     | CR Sheet 18G reqd. 0.92x0.70x9.8<br>Kg/Sq.m | 6.31  | Kg   |        |
|        |     | Add 5% wastage                              | 0.32  | Kg   |        |
|        |     |   | 6.63  | Kg   |        |
|        |     | MS grill of 9kg/Sq.m<br>0.92x2.06x2/3=      | 1.26  | Sq.m |        |
|        |     | 1.26x9Kg/Sq.m =                             | 11.34 | Kg   |        |
|        |     | Add 5% wastage                              | 0.57  | Kg   |        |
|        |     |   | 11.91 | Kg   |        |
|        |     | Glazing for fixed portion 0.26x0.92=        | 0.24  | Sq.m |        |
|        |     | Add 10% wastage                             | 0.02  | Sq.m |        |
|        |     |   | 0.26  | Sq.m |        |

| Sl. No | Qty   |      | Description of work   | Rate | Per  | Amount |
|--------|-------|------|---|------|------|--------|
|        |       |      | Teakwood beading for glazing area   |      |      |        |
|        |       |      | $2 \times (0.26 + 0.92)$  | 2.36 | Rm   |        |
|        |       |      | Painting Red oxide primer   |      |      |        |
|        |       |      | Total area 2.40Sq.m   |      |      |        |
|        |       |      | Deduct glzed area and Grill area<br>$0.24 + 1.26 =$   | 1.50 | Sq.m |        |
|        |       |      | $(2.40 - 1.50) \times 2 =$  | 1.80 | Sq.m |        |
|        |       |      | <b>Main Data</b>  |      |      |        |
|        | 45.59 | kg   | MS angles & Flats   |      | kg   |        |
|        | 6.63  | kg   | CR sheet 18 gauge   |      | kg   |        |
|        | 11.91 | kg   | MS grill of appd design 20kg/Sq.m   |      | kg   |        |
|        | 0.26  | Sq.m | 3mm thick Pinheaded glass   |      | Sq.m |        |
|        | 2.36  | Rm   | Teakwood Beading 15mm x 12mm  |      | Rm   |        |
|        | 49.73 | kg   | Labour charges for cutting welding and fabrication of angles sheets in position & fixing              |      | kg   |        |
|        | 1.80  | Sq.m | Red oxide primer  |      | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length  |      | Each |        |
|        | 3.00  | Nos  | Steel Parliament Hinges of Size 125mm x 150mm   |      | Each |        |
|        | 2.00  | Nos  | Steel Tower Bolt 250mm long 12mm dia  |      | Each |        |
|        | 1.00  | No   | Steel Aldrop 250mm long 16mm dia  |      | Each |        |
|        | 1.00  | No   | Steel Tower Bolt 200mm long 12mm dia  |      | Each |        |
|        | 2.00  | Nos  | Ms Handle 200mm long  |      | Each |        |
|        | 2.40  | Sq.m | labour charges for fixing door  |      | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, Wind appliances, Chipping masonry, concrete etc & redoing the same |      | LS   |        |
|        |       |      | Rate for 2.40 Sq.m  |      |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>   |      |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>  |      |      |        |

| Sl. No | Qty | Description of work   | Rate  | Per | Amount |
|--------|-----|---|-------|-----|--------|
| 443    |     | Manufacturing, supplying and fixing of <b>Entrance steel doors</b> with the following specification M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for <b>1/3 bottom portion of the shutter. M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sandwiching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. The balance 2/3 portion at top is provided with grill</b> at an average weight of 20 kg/sq.m with <b>300mm height of fixed glazing at top with 3mm thick Pin Headed glass</b> including 6 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for double leaves shutter to be provided 6nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 4nos. One the top of each shutter, one at lock rail (Inner side) and the other at the bottom are provided. one aldrip is provided at an appropriate place in the door. 3 Nos of handle are to be provided. A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, taxes, transportation to site of work, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.50m x 2.40m. |       |     |        |
|        |     | Area 1.50 x 2.40 = 3.60 Sq.m (1/3 paneled & 2/3 gridded with top ventilator glazing)  |       |     |        |
|        |     | Door size 1.5 X 2.1M  |       |     |        |
|        |     | Fixed glazing at top 1.5 x 0.3m   |       |     |        |
|        |     | Materials required  |       |     |        |
|        |     | Outer frame 40x40x6mm   |       |     |        |
|        |     | Vertical 2x2.4  | 4.80  | m   |        |
|        |     | Horizontal 1x1.50   | 1.50  | m   |        |
|        |     |   | 6.30  | m   |        |
|        |     | 6.30x3.5Kg/m  | 22.05 | Kg  |        |
|        |     | Shutter frame 35x35x5mm   |       |     |        |
|        |     | Vertical 2x2x2.06   | 8.24  |     |        |
|        |     | Horizontal 2x2x0.71   | 2.84  |     |        |
|        |     | 11.08x2.6Kg/m   | 28.81 | Kg  |        |
|        |     | For fixed portion (0.26+1.42) x2.60kg/m   | 4.37  | Kg  |        |
|        |     | Stiffeners 18x 5 mm MS flat at rear side  |       |     |        |
|        |     | Horizontal 2x2x0.71x1.50 Kg/m   | 4.26  | Kg  |        |
|        |     | Diagonal 2x2x0.98x1.50 Kg   | 5.88  | Kg  |        |
|        |     | Tie bar 30x6mm 2x0.71x1.50 Kg/m   | 2.13  | Kg  |        |

| Sl. No | Qty              |      | Description of work  | Rate  | Per  | Amount |
|--------|------------------|------|--|-------|------|--------|
|        |                  |      | Total weight of MS flats and angles  | 67.50 | Kg   |        |
|        |                  |      | Add 5% wastage   | 3.37  | Kg   |        |
|        |                  |      |  | 70.87 | Kg   |        |
|        |                  |      | CR Sheet 18G reqd. 1x2x0.71x0.7x9.8 Kg/Sq.m  | 9.74  | Kg   |        |
|        |                  |      | Add 5% wastage   | 0.49  | Kg   |        |
|        |                  |      |  | 10.23 | Kg   |        |
|        |                  |      | MS grill of 20 kg/Sq.m<br>2x0.72x2.06x2/3=   | 1.98  | Sq.m |        |
|        |                  |      | 1.98x20 Kg/Sq.m =  | 39.60 | Kg   |        |
|        |                  |      | Add 5% wastage   | 1.98  | Kg   |        |
|        |                  |      |  | 41.58 | Kg   |        |
|        |                  |      | 3mm tk pin headed glass  |       |      |        |
|        |                  |      | Glazing for fixed portion 1.42x0.26=   | 0.37  | Sq.m |        |
|        |                  |      | Add 10% wastage  | 0.04  | Sq.m |        |
|        |                  |      |  | 0.41  | Sq.m |        |
|        |                  |      | Teakwood beading for glazing area  |       |      |        |
|        |                  |      | 2x(0.26+1.40)  | 3.32  | Rm   |        |
|        |                  |      | Painting Red oxide primer  |       |      |        |
|        |                  |      | Total area 3.60Sq.m  |       |      |        |
|        |                  |      | Deduct glazed area and Grill area  |       |      |        |
|        |                  |      | 3.6-(0.37+1.98)x2 = 1.25x2   | 2.50  | Sq.m |        |
|        | <b>Main Data</b> |      |  |       |      |        |
|        | 70.87            | kg   | MS angles & Flats  |       | kg   |        |
|        | 10.23            | kg   | CR sheet 18 gauge  |       | kg   |        |
|        | 41.58            | kg   | MS grill of appd design 20kg/Sq.m including fabrication charges                          |       | kg   |        |
|        | 0.41             | Sq.m | 3mm thick Pinheaded glass  |       | Sq.m |        |
|        | 3.32             | Rm   | Teakwood Beading 15mm x 12mm   |       | Rm   |        |
|        | 77.24            | Kg   | Labour charges for cutting welding and fabrication of angles sheets in position & fixing |       | kg   |        |
|        | 2.50             | Sq.m | Priming coat   |       | Sq.m |        |

| Sl. No | Qty  |      | Description of work  | Rate | Per  | Amount |
|--------|--|------|--|------|------|--------|
|        | 6.00   | Nos  | Hold Fasts 200mm length  |      | Each |        |
|        | 6.00   | Nos  | Steel Parliament Hinges of Size 125mm x 150mm  |      | Each |        |
|        | 3.00   | Nos  | Steel Tower Bolt250mm long 12mm dia  |      | Each |        |
|        | 1.00   | No   | Steel Tower Bolt200mm long 12mm dia  |      | Each |        |
|        | 1.00   | No   | Steel Aldrop 250mm long 16mm dia   |      | Each |        |
|        | 3.00   | Nos  | Ms Handle 200mm long   |      | Each |        |
|        | 3.60   | Sq.m | labour charges for fixing door   |      | Sq.m |        |
|        |  | LS   | Conveyance, Handling, Scaffolding, wind appliances, Chipping masonry, concrete etc& redoing the same |      | LS   |        |
|        |  |      | Rate for 3.60Sq.m  |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| 444    | <p>Fabricating, supplying and fixing of steel Emergency exitdoor Cu.m, emergency window with the following specification. M.S. angle in size 40x40x6mm are used for the outer frames and M.S. angle of size 35x35x5mm for the shutter frame, stiffeners with 32x6mm M.S. flats provided at required intervals in the shutter frames 18 gauge CR sheet is laid as panel and welded instant for 1/3 bottom portion of the shutter, M.S. flat 18x5mm is welded over the 32x6mm M.S flat sandwiching the CR sheet in between additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear-side of the shutter. The balance 2/3 portion at top is provided with grill at an average weight of 15kg/Sq.m and the top portion of operation emergency window is to be made of 25x25x3mm M.S. angle welded intact with CR sheet and 25x3mm M.S. flat at diagonally at the near side of the window at required intervals 6 Nos. of Steel Parliament Hinges of Size 125mm x 150mm to be provided, 6 Nos of holdfast 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 4nos. One the top of each shutter, one at lock rail (Inner side) and the other at the bottom are provided. one aldrop is provided at an appropriate place in the door 2 Nos. of 'D' type handle for emergency window and 2 Nos of handle for door is to be provided at appropriate places. A tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation of fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of materials, labour transportation to side of works, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.20m x 2.10m.</p> |      |  |      |      |        |
|        |  |      | Double leaf door   |      |      |        |
|        |  |      | Consider a door size 1.20x2.10<br>Area = 2.52 Sq.m   |      |      |        |

| Sl. No | Qty | Description of work                                       | Rate  | Per | Amount |
|--------|-----|---|-------|-----|--------|
|        |     | Door Outer frame 40x40x6mm                                |       |     |        |
|        |     | Vertical 2x2.10   | 4.20  |     |        |
|        |     | Top Horizontal 2x1.20                                     | 2.40  |     |        |
|        |     |   | 6.60  |     |        |
|        |     | 6.60x3.50kg/m   | 23.10 | kg  |        |
|        |     | Shutter frame 35x35x5                                     |       |     |        |
|        |     | Vertical 2x2x2.088x2.60 kg/m                              | 21.72 |     |        |
|        |     | Horizontal 2x2x0.584x2.60 kg/m                            | 6.07  |     |        |
|        |     |   | 27.79 | kg  |        |
|        |     | tie bar at bottom of door 32x6mm of 1.50kg                |       |     |        |
|        |     | 1.20x1.50 kg/m  | 1.80  | kg  |        |
|        |     | For locking rail using 32x6mm flat                        |       |     |        |
|        |     | 2x0.584x1.50 kg/m   | 1.75  | kg  |        |
|        |     | Stiffeners at rear side                                   |       |     |        |
|        |     | Horizontal 2x3x0.584x0.70 kg/m                            | 2.45  | kg  |        |
|        |     | Vertical 2x4x0.91x0.70 kg/m                               | 5.10  | kg  |        |
|        |     | Stiffeners at door joining using 32x3mm flat in door side |       |     |        |
|        |     | 1x2.10x1.10 kg/m  | 2.31  | kg  |        |
|        |     | For openable window 25x25x3mm angle                       |       |     |        |
|        |     | Horizontal 2x2x0.584x1.10 kg/m                            | 2.57  | kg  |        |
|        |     | Vertical 2x2x1.30x1.10 kg/m                               | 5.72  | kg  |        |
|        |     | Stiffeners for window 25x3mm flat                         |       |     |        |
|        |     | 2x2x1.43x0.59   | 3.37  | kg  |        |
|        |     | Total   | 75.96 | kg  |        |
|        |     | Add 5% for wastage  | 3.80  |     |        |
|        |     |   | 79.76 |     |        |
|        |     | M.Sgrill 2x0.584x1.288x15                                 | 22.57 | Kg  |        |
|        |     | Add 5% for wastage  | 1.13  |     |        |
|        |     |   | 23.70 | kg  |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      | 18 gauge CR sheet  |       |      |        |
|        |       |      | For door 2x0.584x0.80x9.80 kg  | 9.16  |      |        |
|        |       |      | For window 2x0.584x1.288x9.80 kg   | 14.74 |      |        |
|        |       |      |  | 23.90 | kg   |        |
|        |       |      | Add 5% for wastage   | 1.20  | kg   |        |
|        |       |      |  | 25.10 | kg   |        |
|        |       |      | Painting area  |       |      |        |
|        |       |      | 1x1x1.20x2.10x2.20   | 5.54  | Sq.m |        |
|        |       |      | <b>Main data</b>   |       |      |        |
|        | 79.76 | Kg   | M.S Angle & flat   |       | Kg   |        |
|        | 25.10 | Kg   | C.R.Sheets 18G   |       | Kg   |        |
|        | 23.70 | Kg   | M.S.Grill With primer  |       | Kg   |        |
|        | 5.54  | Sq.m | Priming coat   |       | Sq.m |        |
|        | 99.86 | Kg   | Labour for cutting & welding,<br>fabrication charges   |       | Kg   |        |
|        | 6.00  | Nos  | Hold fast 120mm thick  |       | Each |        |
|        | 6.00  | Nos  | Steel Parliament Hinges of Size<br>125mm x 150mm   |       | Each |        |
|        | 3.00  | Nos  | Steel Tower bolt 250mm long 12mm<br>dia  |       | Each |        |
|        | 1.00  | No   | Steel Tower bolt 200mm long 12mm<br>dia  |       | Each |        |
|        | 1.00  | No   | Steel Aldrops 250mm long 16mm dia  |       | Each |        |
|        | 4.00  | Nos  | M.S.Handles 200mm long   |       | Each |        |
|        | 2.52  | Sq.m | Labour charges for fixing door &<br>Furniture fittings   |       | Sq.m |        |
|        |       | LS   | Fixing furnitures, cost of conveyance,<br>loading & unloading erection, wind<br>appliances, assembling cost of<br>concrete etc |       | LS   |        |
|        |       |      | Rate for 2.52 Sq.m   |       |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>  |       |      |        |
|        |       |      | <b>Add water charges @1% of<br/>Sub Total X</b>  |       |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |       |      |        |

| Sl. No | Qty         | Description of work   | Rate  | Per  | Amount |
|--------|-------------|---|-------|------|--------|
| 445    |             | Manufacturing, supplying and fixing of 1/3 panelled and 2/3 grilled <b>Steel doors</b> with the following specification M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for 1/3 bottom portion of the shutter. M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sandwiching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. The balance 2/3 portion at top is provided with grill at an average weight of 20kg/sq.m and 6 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for double leaves shutter to be provided 6nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 4nos. One at the top of each shutter, one at lock rail (Inner side) and the other at the bottom are provided. one aldrip is provided at an appropriate place in the door. 3 Nos of handle are to be provided. A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, taxes, transportation to site of work, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.80m x 2.10m. |       |      |        |
|        | Double leaf | Door size 1.8 X 2.1M (1/3 panned&2/3 grilled)   | 3.78  | Sq.m |        |
|        |             | Materials required  |       |      |        |
|        |             | Outer frame 40x40x6mm   |       |      |        |
|        |             | Vertical 1x2x2.10   | 4.20  | m    |        |
|        |             | Horizontal 1x1x1.80   | 1.80  | m    |        |
|        |             | 6x3.5Kg/m   | 21.00 | Kg   |        |
|        |             | Shutter frame 35x35x5mm   |       |      |        |
|        |             | Vertical 1x2x2x2.088 =  | 8.35  | m    |        |
|        |             | Horizontal 2x2x0.894  | 3.58  | m    |        |
|        |             |   | 11.93 |      |        |
|        |             | 11.93x2.60Kg/m  | 31.02 | Kg   |        |
|        |             | Intermediate J Section in between Grill & CR sheet<br>2x0.894x2.28Kg  | 4.08  | Kg   |        |
|        |             | Tie bar 32x6mm flat 1x1.8x1.5Kg   | 2.70  | Kg   |        |
|        |             | Stiffeners 18x 5 mm MS flat at rear side  |       |      |        |
|        |             | Horizontal 2x1x0.894x0.7 Kg   | 1.25  | Kg   |        |
|        |             | Diagonal 2x2x1.273x0.7 Kg   | 3.56  | Kg   |        |
|        |             | MS flat 32x3mm@ edge of CR Sheet<br>1x0.7x1.1KG   | 0.77  | Kg   |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      | Total  | 64.38 | Kg   |        |
|        |       |      | Add 5% wastage   | 3.22  | Kg   |        |
|        |       |      |  | 67.60 | Kg   |        |
|        |       |      | CR Sheet reqd. 1x2x0.894x0.7x9.8<br>Kg/Sq.m  | 12.27 | kg   |        |
|        |       |      | Add 5% wastage   | 0.61  | kg   |        |
|        |       |      |  | 12.88 | kg   |        |
|        |       |      | MS grill of 20kg/Sq.m<br>1x2x0.894x1.4x20kg/Sq.m   | 50.06 | kg   |        |
|        |       |      | Add 5% wastage   | 2.50  | kg   |        |
|        |       |      |  | 52.56 | kg   |        |
|        |       |      | Painting Red oxide primer<br>1.8x2.1=3.78Sq.m-2.50Sq.m   | 1.28  | Sq.m |        |
|        |       |      | 1.28x2.2   | 2.816 | Sq.m |        |
|        |       |      | 3mm tk pin headed glass<br>1x2x0.884x1.40  | 2.48  | Sq.m |        |
|        |       |      | Add 20% wastage  | 0.50  | Sq.m |        |
|        |       |      |  | 2.98  | Sq.m |        |
|        |       |      | Teak wood beading 2x2(0.884+1.40)  | 9.14  | Rm   |        |
|        |       |      | <b>Main Data</b>   |       |      |        |
|        | 67.60 | kg   | MS angles & Flats  |       | kg   |        |
|        | 12.88 | kg   | CR sheet 18 gauge  |       | kg   |        |
|        | 52.56 | kg   | MS grill including fabrication charges   |       | kg   |        |
|        | 76.64 | Kg   | Labour charges for cutting welding<br>and fabrication of angles sheets in<br>position & fixing |       | kg   |        |
|        | 2.82  | Sq.m | Priming coat   |       | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length   |       | Each |        |
|        | 6.00  | Nos  | Steel Parliament Hinges of Size<br>125mm x 150mm   |       | Each |        |
|        | 3.00  | Nos  | Steel Tower Bolt 250mm long 12mm<br>dia  |       | Each |        |
|        | 1.00  | Nos  | Steel Tower Bolt 200 mm long 12mm<br>dia   |       | Each |        |
|        | 1.00  | No   | Steel Aldrop 250mm long 16mm dia   |       | Each |        |
|        | 3.00  | Nos  | Ms Handle 200mm long   |       | Each |        |

| Sl. No | Qty  |      | Description of work  | Rate  | Per  | Amount |
|--------|--|------|--|-------|------|--------|
|        | 3.78   | Sq.m | labour charges for fixing door   |       | Sq.m |        |
|        |  | LS   | Fixing furnitures cost of Conveyance, Handling, Scaffolding, wind appliances, assembling cost of concrete & redoing the same |       | LS   |        |
|        |  |      | Rate for 3.78Sq.m  |       |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>  |       |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>  |       |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>   |       |      |        |
| 446    | <p>Manufacturing, supplying and fixing of 1/3 panelled and 2/3 grided with glazed <b>Steel doors</b> with the following specification M.S angles of a size 40x40x6mm are used for the outer frames and M.S. angles of size 35x35x5mm for the shutter frames stiffeners with 32x6mm M.S. flat is provided at required intervals in the shutter frames 18 gauge C.R. sheet is laid as panel in the shutter and welded intact for <b>1/3 bottom portion of the shutter</b>. M.S. flat 18x5mm is welded over the 32x6mm M.S. flat sand witching the CR sheet in between. Additional stiffener with 18x5mm M.S. flat is provided diagonally at the rear side of the shutter. <b>The balance 2/3 portion at top is provided with grill at an average weight of 20kg/sq.m with 3mm pin headed glass used for glazing and fixed with 15x12 mm teakwood beading</b> and 6 Nos <b>Steel Parliament Hinges of Size 125mm x 150mm</b> for double leaves shutter to be provided 6nos of holdfasts 200mm in length made of angle section spliced at the ends are welded to the outer frame of the door. Tower bolts 4nos. One at the top of each shutter, one at lock rail (Inner side) and the other at the bottom are provided. one aldrop is provided at an appropriate place in the door.3 Nos of handle are to be provided. A Tie bar is provided at the bottom of the outer frame to prevent twisting of frame during transportation or fixing. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of all materials, labour charges, taxes, transportation to site of work, loading, unloading and all other incidental charges etc., complete complying with standard specification and as directed by the departmental officers. - Double leaf of size 1.80m x 2.10m.</p> |      |  |       |      |        |
|        | Double leaf  |      | Door size 1.8 X 2.1M(1/3 panned&2/3 grided with glazing))  | 3.78  | Sq.m |        |
|        |  |      | Materials required   |       |      |        |
|        |  |      | Outer frame 40x40x6mm  |       |      |        |
|        |  |      | Vertical 1x2x2.1   | 4.20  | m    |        |
|        |  |      | Horizontal 1x1x1.80  | 1.80  |      |        |
|        |  |      | 6x3.5Kg/m  | 21.00 | Kg   |        |
|        |  |      | Shutter frame 35x35x5mm  |       |      |        |
|        |  |      | Vertical 1x2x2x2.088 =   | 8.35  | m    |        |
|        |  |      | Horizontal 2x2x0.894   | 3.58  | m    |        |
|        |  |      |  | 11.93 |      |        |

| Sl. No | Qty | Description of work   | Rate  | Per  | Amount |
|--------|-----|---|-------|------|--------|
|        |     | 11.93x2.60Kg/m  | 31.02 | Kg   |        |
|        |     | Intermediate J Section in betn Grill & CR sheet<br>2x0.894x2.28Kg | 4.08  | Kg   |        |
|        |     | Tie bar 32x6mm flat 1x1.8x1.5Kg                                   | 2.70  | Kg   |        |
|        |     | Stiffeners 18x 5 mm MS flat at rear side                          |       |      |        |
|        |     | Horizontal 2x1x0.894x0.7 Kg                                       | 1.25  | Kg   |        |
|        |     | Diagonal 2x2x1.273x0.7 Kg   | 3.56  | Kg   |        |
|        |     | MS flat 32x3mm@ edge of CR Sheet<br>1x0.7x1.1KG                   | 0.77  | Kg   |        |
|        |     | Total   | 64.38 | Kg   |        |
|        |     | Add 5% wastage  | 3.22  | Kg   |        |
|        |     |   | 67.60 | Kg   |        |
|        |     | CR Sheet reqd. 1x2x0.894x0.7x9.8 Kg/Sq.m                          | 12.27 | kg   |        |
|        |     | Add 5% wastage  | 0.61  | kg   |        |
|        |     |   | 12.88 | kg   |        |
|        |     | MS grill of 20kg/Sq.m<br>1x2x0.894x1.4x20kg/Sq.m                  | 50.06 | kg   |        |
|        |     | Add 5% wastage  | 2.50  | kg   |        |
|        |     |   | 52.56 | kg   |        |
|        |     | 3 mm Pin headed glass :<br>1X2X0.894X1.40                         | 2.50  |      |        |
|        |     | Add 10% wastage   | 0.25  |      |        |
|        |     |   | 2.70  |      |        |
|        |     | Teakwood Beeding :2x2(0.894+1.40)                                 | 9.18  |      |        |
|        |     | Painting Red oxide primer<br>1.8x2.1=3.78Sq.m-2.50Sq.m            | 1.28  | Sq.m |        |
|        |     | 1.28x2.2  | 2.82  | Sq.m |        |
|        |     | 3mm tk pin headed glass<br>1x2x0.884x1.40                         | 2.48  | Sq.m |        |
|        |     | Add 20% wastage   | 0.50  | Sq.m |        |
|        |     |   | 2.98  | Sq.m |        |
|        |     | Teak wood beading 2x2(0.884+1.40)                                 | 9.13  | Rm   |        |

| Sl. No | Qty   |      | Description of work   | Rate | Per  | Amount |
|--------|-------|------|---|------|------|--------|
|        |       |      | <b>Main Data</b>  |      |      |        |
|        | 67.60 | kg   | MS angles & Flats   |      | kg   |        |
|        | 12.88 | kg   | CR sheet18 gauge  |      | kg   |        |
|        | 52.56 | kg   | MS grill including fabrication charges  |      | kg   |        |
|        | 2.705 | Sq.m | 3 mm Pin headed glass   |      | Sq.m |        |
|        | 9.18  | Rm   | Teakwood Beading  |      | Rm   |        |
|        | 76.64 | Kg   | Labour charges for cutting welding and fabrication of angles sheets in position & fixing  |      | kg   |        |
|        | 2.82  | Sq.m | Priming coat  |      | Sq.m |        |
|        | 6.00  | Nos  | Hold Fast 200mm length  |      | Each |        |
|        | 6.00  | Nos  | Steel Parliament Hinges of Size 125mm x 150mm   |      | Each |        |
|        | 3.00  | No   | Steel Tower Bolt250mm long 12mm dia   |      | Each |        |
|        | 1.00  | No   | Steel Tower Bolt 200 mm long 12mm dia   |      | Each |        |
|        | 1.00  | No   | Steel Aldrop 250mm long 16mm dia  |      | Each |        |
|        | 3.00  | Nos  | Ms Handle 200mm long  |      | Each |        |
|        | 3.78  | Sq.m | labour charges for fixing door  |      | Sq.m |        |
|        |       | LS   | Fixing furnitures cost of conveyance loading & unloading erection, scaffolding, wind appliances, assembling cost of concrete & redoing the same, etc. |      | LS   |        |
|        |       |      | Rate for 3.78Sq.m   |      |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>   |      |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>  |      |      |        |

| Sl. No | Qty | Description of work  | Rate  | Per | Amount |
|--------|-----|--|-------|-----|--------|
| 447    |     | <b>Fabricating, Supplying and fixing in position of steel sheeted windows ( Two Leaves) with the following specifications.</b> Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle-Cu.m-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990.The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers. |       |     |        |
|        |     | <b>Two Leaves - 1.20x1.30m</b>   |       |     |        |
|        |     | Area of window 1.56 Sq.m   |       |     |        |
|        |     | Outer frame F7D section 33x25x3mm  |       |     |        |
|        |     | Horizontal : 1x2x1.20x1.419 kg/m   | 3.41  | kg  |        |
|        |     | Vertical : 1x2x1.30x1.419 Kg/m   | 3.70  | kg  |        |
|        |     | Shutter frame F7D section 33x25x3mm  |       |     |        |
|        |     | Horizontal : 2x2x0.56 kg/m   | 3.18  | kg  |        |
|        |     | Vertical : 2x2x1.26x1.419 Kg/m   | 7.15  | kg  |        |
|        |     | J' Section centre Mullion F4 'B' section   |       |     |        |
|        |     | 1x1.26x2.28 kg/m   | 2.87  | kg  |        |
|        |     |  | 20.31 | kg  |        |
|        |     | Add 5% wastage   | 1.01  | kg  |        |
|        |     |  | 21.32 | kg  |        |
|        |     | MS flats for stiffeners 18mmx5mm   |       |     |        |
|        |     | Horizontal stiffeners = 2x3x0.54x0.70kg/m  | 2.27  | kg  |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      | Vertical stiffeners 2x4x0.08x0.70 kg/m                       | 0.45  | kg   |        |
|        |       |      |  | 2.70  | kg   |        |
|        |       |      | Add 5% wastage   | 0.14  | kg   |        |
|        |       |      |  | 2.86  | kg   |        |
|        |       |      | CR sheet of 18kg @ 9.80 kg/Sq.m                              |       |      |        |
|        |       |      | 1x1x1.15x1.25x9.80   | 14.11 | kg   |        |
|        |       |      | Add 5% wastage   | 0.71  | kg   |        |
|        |       |      |  | 14.82 | kg   |        |
|        |       |      | Protective MS rods 12mm square                               |       |      |        |
|        |       |      | 12x1.20x1.13 kg/m  | 16.27 | kg   |        |
|        |       |      | Add 5% wastage   | 0.81  | kg   |        |
|        |       |      |  | 17.08 | kg   |        |
|        |       |      | Area of priming coat   |       |      |        |
|        |       |      | For window 1x1x1.20x1.30x2.20                                | 3.43  | Sq.m |        |
|        |       |      | For MS rods 12x0.048x1.20                                    | 0.69  | Sq.m |        |
|        |       |      |  | 4.12  | Sq.m |        |
|        |       |      | <b>Main data</b>   |       |      |        |
|        | 21.32 | kg   | Steel Special extruded Section including fabrication charges |       | kg   |        |
|        | 2.86  | kg   | MS Flats and Angles  |       | kg   |        |
|        | 14.82 | kg   | CRS 18G  |       | kg   |        |
|        | 17.08 | kg   | MS Rod 12mm dia  |       | kg   |        |
|        | 16.27 | kg   | Fixing MS rod  |       | kg   |        |
|        | 16.83 | kg   | Labour for cutting angles,CRS,Welding & fabrication charges  |       | kg   |        |
|        | 1.56  | Sq.m | Labour for fixing windows & furniture                        |       | Sq.m |        |
|        | 2.00  | Nos  | Window Stay  |       | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200mm long                                      |       | Each |        |
|        | 4.00  | Nos  | Steel Offset Pivot hinges of size 3"                         |       | Each |        |
|        | 2.00  | Nos  | Steel Handles 150mm long                                     |       | Each |        |

| Sl. No | Qty   |      | Description of work   | Rate  | Per  | Amount |
|--------|---|------|---|-------|------|--------|
|        | 4.12  | Sq.m | Priming Coat  |       | Sq.m |        |
|        |   | LS   | Conveyance, Handling, Scaffolding, Chipping Masonary concrete & making good the damaged portion |       | LS   |        |
|        |   |      | Rate for 1.56 Sq.m  |       |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>   |       |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>   |       |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>  |       |      |        |
| 448    | <p><b>Fabricating, Supplying and fixing in position of steel sheeted windows ( Three Leaves) with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle-Cu.m-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990.The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers.</b></p> |      |   |       |      |        |
|        |   |      | <b>Three Leaves - 1.50x1.30m</b>  |       |      |        |
|        |   |      | Area of window 1.95 Sq.m  |       |      |        |
|        |   |      | Outer frame F7D section 33x25x3mm   |       |      |        |
|        |   |      | Horizontal : 1x2x1.50x1.419 kg/m  | 4.26  | kg   |        |
|        |   |      | Vertical : 1x2x1.30x1.419 Kg/m  | 3.69  | kg   |        |
|        |   |      | Shutter frame F7D section 33x25x3mm   |       |      |        |
|        |   |      | Horizontal : 3x2x0.46x1.419 kg/m  | 3.92  | kg   |        |
|        |   |      | Vertical : 3x2x1.26x1.419 Kg/m  | 10.73 | kg   |        |
|        |   |      | J' Section centre Mullion F4 'B' section  |       |      |        |

| Sl. No | Qty   |    | Description of work  | Rate  | Per  | Amount |
|--------|-------|----|--|-------|------|--------|
|        |       |    | 1x2x1.26x2.28 kg/m   | 5.75  | kg   |        |
|        |       |    |  | 28.35 | kg   |        |
|        |       |    | Add 5% wastage   | 1.42  | kg   |        |
|        |       |    |  | 29.77 | kg   |        |
|        |       |    | MS flats for stiffeners 18mmx5mm size at 0.70kg/m            |       |      |        |
|        |       |    | Horizontal stiffeners = 3x3x0.44x0.70kg/m                    | 2.707 | kg   |        |
|        |       |    | Diagonal 3x4x0.08x0.70 kg/m                                  | 0.67  | kg   |        |
|        |       |    |  | 3.44  | kg   |        |
|        |       |    | Add 5% wastage   | 0.17  | kg   |        |
|        |       |    |  | 3.61  | kg   |        |
|        |       |    | MS bar 12Nos (12mm dia)                                      |       |      |        |
|        |       |    | 1x12x1.50x1.13kg/m   | 20.34 | kg   |        |
|        |       |    | Add 5% wastage   | 1.02  | kg   |        |
|        |       |    |  | 21.36 | kg   |        |
|        |       |    | CR sheet of 18kg @ 9.80 kg/Sq.m                              |       |      |        |
|        |       |    | 1.45x1.25x9.80   | 17.76 | kg   |        |
|        |       |    | Add 5% wastage   | 0.89  | kg   |        |
|        |       |    |  | 18.65 | kg   |        |
|        |       |    | Area of priming coat   |       |      |        |
|        |       |    | For window 1.50x1.30x2.20                                    | 4.29  | Sq.m |        |
|        |       |    | For MS rods 12x0.048x1.50                                    | 0.86  | Sq.m |        |
|        |       |    |  | 5.15  | Sq.m |        |
|        |       |    | <b>Main data</b>   |       |      |        |
|        | 29.77 | kg | Steel Special extruded Section including fabrication charges |       | kg   |        |
|        | 3.61  | kg | MS Flats and Angles  |       | kg   |        |
|        | 18.65 | kg | CRS 18G  |       | kg   |        |
|        | 21.36 | kg | MS Rod 12mm dia  |       | kg   |        |
|        | 20.34 | kg | Fixing MS rod  |       | kg   |        |

| Sl. No | Qty   |      | Description of work   | Rate | Per  | Amount |
|--------|---|------|---|------|------|--------|
|        | 21.20   | kg   | Labour for cutting angles, CRS, Welding & fabrication charges                                   |      | kg   |        |
|        | 1.95  | Sq.m | Labour for fixing windows & furniture   |      | Sq.m |        |
|        | 3.00  | Nos  | Window Stay   |      | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200 mm   |      | Each |        |
|        | 6.00  | Nos  | Steel Offset Pivot hinges of size 3"  |      | Each |        |
|        | 3.00  | Nos  | Steel Handles 150mm long  |      | Each |        |
|        | 5.15  | Sq.m | Priming Coat  |      | Sq.m |        |
|        |   | LS   | Conveyance, Handling, Scaffolding, Chipping Masonary concrete & making good the damaged portion |      | LS   |        |
|        |   |      | Rate for 1.95Sq.m   |      |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>   |      |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 449    | <p>Manufacturing, supplying and fixing in position of <b>MS steel windows (Three Leaves)</b> with <b>4mm FRP transparent sheets</b> instead of glass panes with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3 mm at 1.419 Kg/m and mullion 'O' section (F4B) of size 46 x 25 x 3 mm at 2.28 Kg/m and shutter section made of F7D of 33 x 25 x 3 mm at 1.419 Kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600 mm to enable separate operations and easy maintenance. The panel of the shutter to be covered with 18 Gauge cold rolled sheet of superior quality and welded intact with shutter frames. horizontal stiffeners using 18 x 5 mm MS Flat at all four corners of each shutters to the suitable length welded to the shutters for holding the CR sheets in position firmly. Two numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle-Cu.m-latch of special type made with 18 x 5mm MS Flats are rivetted to the shutters at an appropriate height in window. Suitable opening is left for its easy operation. A stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. Each window shutter having an adjustable position. a matching peg is provided in the outer frame of the window at suitable place. Four nos of holdfast of 200mm length spliced at the ends are welded to the outer frame of the window by using MS Flat of 18 x 5 mm at 0.70 Kg/m, welded to the shutter at two place equivalent from each other from top and bottom of the shutter. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge to edge between them. All members are painted with one coat of anti corrosive red oxide primer as directed by the department officers. All sections should be in confirmed with IS 7452/1990. The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers.</p> |      |   |      |      |        |
|        |   |      | <b>Three Leaves - 1.50x1.30m</b>  |      |      |        |
|        |   |      | Area of window 1.95 Sq.m  |      |      |        |
|        |   |      | Outer frame F7D section 33x25x3mm   |      |      |        |

| Sl. No | Qty   |    | Description of work   | Rate  | Per  | Amount |
|--------|-------|----|---|-------|------|--------|
|        |       |    | Horizontal : 1x2x1.50x1.419 kg/m                                      | 4.26  | kg   |        |
|        |       |    | Vertical : 1x2x1.30x1.419 Kg/m  | 3.69  | kg   |        |
|        |       |    | Shutter frame F7D section<br>33x25x3mm                                |       |      |        |
|        |       |    | Horizontal : 3x2x0.46x1.419 kg/m                                      | 3.92  | kg   |        |
|        |       |    | Vertical : 3x2x1.26x1.419 Kg/m  | 10.73 | kg   |        |
|        |       |    | J' Section centre Mullion F4 'B' section                              |       |      |        |
|        |       |    | 1x2x1.256x2.28 kg/m   | 5.73  | kg   |        |
|        |       |    |   | 28.33 | kg   |        |
|        |       |    | Add 5% wastage  | 1.42  | kg   |        |
|        |       |    |   | 29.75 | kg   |        |
|        |       |    | MS flats for stiffeners 4Nos.of<br>18mmx5mm size at 0.70kg/m          |       |      |        |
|        |       |    | Horizontal stiffeners = 4x1.5 --<br>(0.022x2)+(2x.025)+(2x3x.025)*0.7 | 4.03  | kg   |        |
|        |       |    | Add 5% wastage  | 0.20  | kg   |        |
|        |       |    |   | 4.23  | kg   |        |
|        |       |    | MS bar 12Nos (12mm dia)   |       |      |        |
|        |       |    | 1x12x1.50x1.13kg/m  | 20.34 | kg   |        |
|        |       |    | Add 5% wastage  | 1.017 | kg   |        |
|        |       |    |   | 21.36 | kg   |        |
|        |       |    | FRP transparent sheet 4mm thick                                       |       |      |        |
|        |       |    | (1.50x1.30)--<br>(2x1.256)+6(0.46+1.256)*0.025+<br>(5.756*0.018)      | 1.90  | Sq.m |        |
|        |       |    | Area of priming coat  |       |      |        |
|        |       |    | For window 1.50x1.30--<br>1.59=0.36x2.20                              | 0.79  | Sq.m |        |
|        |       |    | For MS rods 12x0.048x1.50   | 0.86  | Sq.m |        |
|        |       |    |   | 1.66  | Sq.m |        |
|        |       |    | <b>Main data</b>  |       |      |        |
|        | 29.75 | kg | Steel Special extruded Section<br>including fabrication charges       |       | kg   |        |
|        | 4.23  | kg | MS Flats and Angles   |       | kg   |        |

| Sl. No | Qty   |      | Description of work   | Rate | Per  | Amount |
|--------|-------|------|---|------|------|--------|
|        | 1.89  | Sq.m | FRP transparent sheet 4mm thick   |      | Sq.m |        |
|        | 21.36 | kg   | MS Rod 12mm dia   |      | kg   |        |
|        | 20.34 | kg   | Fixing MS rod   |      | kg   |        |
|        | 4.03  | kg   | Labour for cutting angles, CRS, Welding & fabrication charges                                   |      | kg   |        |
|        | 1.95  | Sq.m | Labour for fixing windows & furniture   |      | Sq.m |        |
|        | 3.00  | Nos  | Window Stay   |      | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200 mm   |      | Each |        |
|        | 6.00  | Nos  | Steel Offset Pivot hinges of size 3"  |      | Each |        |
|        | 3.00  | Nos  | Steel Handles 150mm long  |      | Each |        |
|        | 1.66  | Sq.m | Priming Coat  |      | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, Chipping Masonary concrete & making good the damaged portion |      | LS   |        |
|        |       |      | Rate for 1.95 Sq.m  |      |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>   |      |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>  |      |      |        |

| Sl. No | Qty | Description of work  | Rate  | Per | Amount |
|--------|-----|--|-------|-----|--------|
| 450    |     | Fabricating, Supplying and fixing in position of <b>steel Sheeted windows (Four Leaves)</b> with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle-Cu.m-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990.The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers. |       |     |        |
|        |     | <b>Four Leaves - 1.80x1.30m</b>  |       |     |        |
|        |     | Area = 2.34 Sq.m   |       |     |        |
|        |     | Outer frame F7D section 33x25x3mm  |       |     |        |
|        |     | Horizontal : 1x2x1.80x1.419 kg/m   | 5.11  | kg  |        |
|        |     | Vertical : 1x2x1.30x1.419 Kg/m   | 3.69  | kg  |        |
|        |     | Shutter frame F7D section<br>33x25x3mm   |       |     |        |
|        |     | Horizontal : 4x2x0.42x1.419 kg/m   | 4.77  | kg  |        |
|        |     | Vertical : 4x2x1.26x1.419 Kg/m   | 14.30 | kg  |        |
|        |     | J' Section centre Mullion F4 'B' section<br>1x3x1.26x2.28 kg/m   | 8.62  | kg  |        |
|        |     |  | 36.49 | kg  |        |
|        |     | Add 5% wastage   | 1.82  | kg  |        |
|        |     |  | 38.31 | kg  |        |
|        |     | MS flats for stiffeners 18mmx5mm<br>size at 0.70kg/m   |       |     |        |
|        |     | Horizontal stiffeners =<br>4x3x0.40x0.70kg/m   | 3.36  | kg  |        |
|        |     | Diagonal 4x4x0.08x0.70 kg/m  | 0.90  | kg  |        |

| Sl. No | Qty   |  | Description of work   | Rate  | Per  | Amount |
|--------|-------|--|---|-------|------|--------|
|        |       |  |   | 4.26  | kg   |        |
|        |       |  | Add 5% wastage  | 0.21  | kg   |        |
|        |       |  |   | 4.47  | kg   |        |
|        |       |  | CR sheet of 18kg @ 9.80 kg/<br>Sq.m:1.75x1.25x9.80                              | 21.44 | kg   |        |
|        |       |  | Add 5% wastage  | 1.07  | kg   |        |
|        |       |  |   | 22.51 | kg   |        |
|        |       |  | 12mm square MS rod<br>1x12x1.80x1.13kg/m  | 24.41 | kg   |        |
|        |       |  | Add 5% wastage  | 1.22  | kg   |        |
|        |       |  |   | 25.63 | kg   |        |
|        |       |  | Area of priming coat  |       |      |        |
|        |       |  | For window 1.80x1.30x2.20   | 5.15  | Sq.m |        |
|        |       |  | For MS rods 12x0.048x1.80   | 1.04  | Sq.m |        |
|        |       |  |   | 6.19  | Sq.m |        |
|        |       |  | <b>Main data</b>  |       |      |        |
|        | 38.31 | kg   | Steel Special extruded Section<br>including fabrication charges                 |       | kg   |        |
|        | 4.47  | kg   | MS Flats and Angles   |       | kg   |        |
|        | 22.51 | kg   | CRS 18G   |       | kg   |        |
|        | 25.63 | kg   | MS Rod 12mm dia   |       | kg   |        |
|        | 24.41 | kg   | Fixing MS rod   |       | kg   |        |
|        | 25.7  | kg   | Labour for cutting angles, CRS,<br>Welding & fabrication with special<br>angles |       | kg   |        |
|        | 2.34  | Sq.m   | Labour for fixing windows & furniture   |       | Sq.m |        |
|        | 4.00  | Nos  | Window Stay   |       | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200 mm   |       | Each |        |
|        | 8.00  | Nos  | Steel Offset Pivot hinges of size 3"  |       | Each |        |
|        | 4.00  | Nos  | Steel Handles 150mm long  |       | Each |        |
|        | 6.19  | Sq.m   | Priming Coat  |       | Sq.m |        |
|        | LS    | Conveyance, Handling, Scaffolding, Chipping Masonary<br>concrete & making good the damaged portion |   |       | LS   |        |

| Sl. No | Qty | Description of work  | Rate  | Per | Amount |
|--------|-----|--|-------|-----|--------|
|        |     | Rate for 2.34 Sq.m   |       |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X)</b>  |       |     |        |
|        |     | <b>Add water charges @1% of Sub Total X</b>  |       |     |        |
|        |     | <b>Rate for 1 Sq.m</b>   |       |     |        |
| 451    |     | <p>Fabricating ,Supplying and fixing in position of <b>steel Sheeted windows ( Five Leaves of size 1.80 x 1.30m)</b> with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly.2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle-Cu.m-latch of special type made with 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990.The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers.</p> |       |     |        |
|        |     | <b>Five Leaves - 1.80x1.30m</b>  |       |     |        |
|        |     | Area = 2.34 Sq.m   |       |     |        |
|        |     | Consider a size 2.50x1.90x4.75Sq.m   |       |     |        |
|        |     | Outer frame F7D section 33x25x3mm  |       |     |        |
|        |     | Vertical : 1x2x1.30x1.419 kg/m   | 3.69  | kg  |        |
|        |     | Horizontal : 1x2x1.80x1.419 kg/m   | 5.11  | kg  |        |
|        |     |  |       |     |        |
|        |     | Shutter frame Horizontal:<br>5x2x0.32x1.419 kg/m   | 4.54  |     |        |
|        |     | Shutter frame Vertical :<br>5x2x1.26x1.419 kg/m  | 17.88 |     |        |
|        |     | J' Section centre Mullion<br>1x4x1.26x2.28 kg/m  | 11.49 | kg  |        |

| Sl. No | Qty   |    | Description of work   | Rate  | Per  | Amount |
|--------|-------|----|---|-------|------|--------|
|        |       |    |   | 33.91 | kg   |        |
|        |       |    | T' Section sash bar 5x2x0.45                                    | 4.50  | kg   |        |
|        |       |    | 12mm Square rod 12x2.50   | 30.00 | kg   |        |
|        |       |    | Add 5% wastage  | 1.70  | kg   |        |
|        |       |    |   | 35.61 | kg   |        |
|        |       |    | Stiffeners using 18x5mm MS flat                                 |       |      |        |
|        |       |    | 5x3x0.30x0.70 kg/m  | 3.15  | kg   |        |
|        |       |    | 5x4x0.08x0.70 kg/m  | 1.12  | kg   |        |
|        |       |    |   | 4.27  | kg   |        |
|        |       |    | Add 5% wastage  | 0.21  | kg   |        |
|        |       |    |   | 4.48  | kg   |        |
|        |       |    | CR sheet required 1.75x1.25x9.80                                | 21.44 | kg   |        |
|        |       |    | Add 5% wastage  | 1.07  | kg   |        |
|        |       |    |   | 22.51 | kg   |        |
|        |       |    | 12mm M.S Square rod 12<br>Nosx1.80x1.13 kg/m                    | 24.41 | kg   |        |
|        |       |    | Add 5% wastage  | 1.22  | kg   |        |
|        |       |    |   | 25.63 | kg   |        |
|        |       |    | Area of priming coat (1.80x1.30x2.20)<br>=                      | 5.15  | Sq.m |        |
|        |       |    | For MS rods = 12x0.048x1.80                                     | 1.04  |      |        |
|        |       |    |   | 6.19  | Sq.m |        |
|        |       |    | Class area = 4.15-0.415   | 3.7   | Sq.m |        |
|        |       |    | Deduct 10% Arch   |       |      |        |
|        |       |    | T.W.beading = 5x3x2x0.77  | 23.10 | Rm   |        |
|        |       |    | For arch portion = 3x2(0.60+0.50)                               | 6.60  | Rm   |        |
|        |       |    |   | 29.70 | Rm   |        |
|        |       |    | <b>Main data</b>  |       |      |        |
|        | 35.61 | kg | Steel Special extruded section<br>including fabrication charges |       | kg   |        |
|        | 4.48  | kg | MS Flats and Angles   |       | kg   |        |

| Sl. No | Qty   |      | Description of work  | Rate | Per  | Amount |
|--------|-------|------|--|------|------|--------|
|        | 22.51 | kg   | CR sheet   |      | kg   |        |
|        | 25.63 | kg   | 12mm MS Square rod   |      | kg   |        |
|        | 24.41 | kg   | Fixing MS rod  |      | kg   |        |
|        | 25.71 | kg   | Labour charges for cutting, welding and fabrication  |      | kg   |        |
|        | 5.00  | Nos  | Window Stay  |      | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200mm   |      | Each |        |
|        | 10.00 | Nos  | Steel Offset Pivot hinges of size 3"   |      | Each |        |
|        | 5.00  | Nos  | Steel Handles 150mm long   |      | Each |        |
|        | 6.19  | Sq.m | Priming coat with red oxide  |      | Sq.m |        |
|        | 2.34  | Sq.m | Labour charges for fixing window furniture fittings  |      | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, Chipping/Masonry concrete & making good the damaged portion |      | LS   |        |
|        |       |      | Rate for 2.34 Sq.m   |      |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |      |      |        |

| Sl. No | Qty | Description of work   | Rate  | Per | Amount |
|--------|-----|---|-------|-----|--------|
| 452    |     | Fabricating, Supplying and fixing in position of <b>steel Sheeted windows (Five Leaves of size 2.10 x 1.30m)</b> with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with 18 gauge cold rolled sheet of superior quality and welded intact with shutter frames. Horizontal stiffeners using 18x5mm MS Flat at 0.70kg/m at 3 Nos. for each shutter and additional diagonal stiffeners of the same MS flats at all the four corners of each shutters to the suitable length welded to the shutters, for holding the CR Sheets in position firmly. 2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle-Cu.m-latch of special type made with 18x5mm 18x5mm MS flats are revetted to the shutters at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window by using MS flat of 18x5mm at 0.70kg/m, welded to the shutter at two place equivalent from each from top and bottom of the shutter. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990. The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers. |       |     |        |
|        |     | <b>Five Leaves - 2.10x1.30m</b>   |       |     |        |
|        |     | Area = 2.703 Sq.m   |       |     |        |
|        |     | Consider a size 2.50x1.90x4.75Sq.m  |       |     |        |
|        |     | Outer frame F7D section 33x25x3mm   |       |     |        |
|        |     | Vertical : 2x1.30x1.419 kg/m  | 3.69  | kg  |        |
|        |     | Horizontal : 2x2.10x1.419 kg/m  | 5.96  | kg  |        |
|        |     | Shutter frame Vertical:<br>2x5x1.26x1.419 kg/m  | 17.88 | kg  |        |
|        |     | Shutter frame Horizontal :<br>2x5x0.40x1.419 kg/m   | 5.68  | kg  |        |
|        |     | J' Section centre Mullion<br>1x4x1.26x2.28 kg/m   | 11.50 | kg  |        |
|        |     |   | 44.70 | kg  |        |
|        |     | T' Section sash bar 5x2x0.45  | 4.50  | kg  |        |
|        |     | 12mm Square rod 12x2.50   | 30.00 | kg  |        |
|        |     | Add 5% wastage  | 2.23  | kg  |        |
|        |     |   | 46.93 | kg  |        |

| Sl. No | Qty   |     | Description of work  | Rate  | Per  | Amount |
|--------|-------|-----|--|-------|------|--------|
|        |       |     | Stiffeners using 18x5mm MS flat                              |       |      |        |
|        |       |     | 5x3x0.38x0.70 kg/m   | 3.99  | kg   |        |
|        |       |     | 5x4x0.08x0.70 kg/m   | 1.12  | kg   |        |
|        |       |     |  | 5.11  | kg   |        |
|        |       |     | Add 5% wastage   | 0.26  | kg   |        |
|        |       |     |  | 5.37  | kg   |        |
|        |       |     | CR sheet required 2.05x1.25x9.80 kg/Sq.m                     | 25.11 | kg   |        |
|        |       |     | Add 5% wastage   | 1.26  | kg   |        |
|        |       |     |  | 26.37 | kg   |        |
|        |       |     | 12mm M.S Square rod: 12 Nosx2.10x1.13 kg/m                   | 28.48 | kg   |        |
|        |       |     | Add 5% wastage   | 1.42  | kg   |        |
|        |       |     |  | 29.90 | kg   |        |
|        |       |     | Area of priming coat 2.10x1.30x2.20                          | 6.01  | Sq.m |        |
|        |       |     | For MS rods = 12x0.048x2.10                                  | 1.21  |      | 1.21   |
|        |       |     |  | 7.22  | Sq.m |        |
|        |       |     | Class area = 4.15-0.415                                      | 3.73  | Sq.m |        |
|        |       |     | Deduct 10% Arch  |       |      |        |
|        |       |     | T.W.beading = 5x3x2x0.77                                     | 23.10 | Rm   |        |
|        |       |     | For arch portion = 3x2(0.60+0.50)                            | 6.60  | Rm   |        |
|        |       |     |  | 29.70 | Rm   |        |
|        |       |     | <b>Main data</b>   |       |      |        |
|        | 46.93 | kg  | Steel Special extruded section including fabrication charges |       | kg   |        |
|        | 5.37  | kg  | MS Flats and Angles  |       | kg   |        |
|        | 26.37 | kg  | CR sheet   |       | kg   |        |
|        | 29.9  | kg  | 12mm MS Square rod   |       | kg   |        |
|        | 28.48 | kg  | Fixing MS rod  |       | kg   |        |
|        | 30.22 | kg  | Labour charges for cutting, welding and fabrication charges  |       | kg   |        |
|        | 5.00  | Nos | Window Stay  |       | Each |        |

| Sl. No | Qty   |      | Description of work  | Rate | Per  | Amount |
|--------|---|------|--|------|------|--------|
|        | 4.00  | Nos  | Hold Fasts of 200mm  |      | Each |        |
|        | 10.00   | Nos  | Steel Offset Pivot hinges of size 3"   |      | Each |        |
|        | 5.00  | Nos  | Steel Handles 150mm long   |      | Each |        |
|        | 7.22  | Sq.m | Priming coat with red oxide  |      | Sq.m |        |
|        | 2.703   | Sq.m | Labour charges for fixing window furniture fittings  |      | Sq.m |        |
|        |   |      | Conveyance, Handling, Scaffolding, Chipping/Masonry concrete & making good the damaged portion |      | LS   |        |
|        |   |      | Rate for 2.703Sq.m   |      |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| 453    | <p>Fabricating, Supplying and fixing in position of <b>steel glazed window (Two Leaves )</b> with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with <b>3mm thick pin headed glass</b> and fixed with 15x12mm teakwood beading of superior quality and fixed with shutter frames.2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle to be fixed to each shutter at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990.The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers.</p> |      |  |      |      |        |
|        |   |      | <b>Two Leaves - 1.20x1.30m</b>   |      |      |        |
|        |   |      | Area of window 1.56 Sq.m   |      |      |        |
|        |   |      | Outer frame F7D section 33x25x3mm  |      |      |        |
|        |   |      | Horizontal : 1x2x1.20x1.419 kg/m   | 3.41 | kg   |        |
|        |   |      | Vertical : 1x2x1.30x1.419 Kg/m   | 3.69 | kg   |        |
|        |   |      | Shutter frame F7D section 33x25x3mm  |      |      |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      | Horizontal : 2x2x0.56 kg/m                                   | 2.24  | kg   |        |
|        |       |      | Vertical : 2x2x1.26x1.419 Kg/m                               | 7.15  | kg   |        |
|        |       |      | J' Section centre Mullion F4 'B' section                     |       |      |        |
|        |       |      | 1x1.26x2.28 kg/m   | 2.87  | kg   |        |
|        |       |      |  | 19.36 | kg   |        |
|        |       |      | Add 5% wastage   | 0.97  | kg   |        |
|        |       |      |  | 20.33 | kg   |        |
|        |       |      | Glazing area 3mm pin headed                                  |       |      |        |
|        |       |      | 1x1x1.15x1.25  | 1.44  | kg   |        |
|        |       |      | Add 10% wastage  | 0.14  | kg   |        |
|        |       |      |  | 1.58  | kg   |        |
|        |       |      | Protective MS rods 12mm square                               |       |      |        |
|        |       |      | 12x1.20x1.13 kg/m  | 16.27 | kg   |        |
|        |       |      | Add 5% wastage   | 0.81  | kg   |        |
|        |       |      |  | 17.08 | kg   |        |
|        |       |      | TW beading 1x2x2x(0.56+1.26)                                 | 7.28  | RM   |        |
|        |       |      | Area of priming coat   |       |      |        |
|        |       |      | For window (1.56-1.44)x2.20                                  | 0.26  | Sq.m |        |
|        |       |      | For MS rods 12x0.048x1.20                                    | 0.69  | Sq.m |        |
|        |       |      |  | 0.95  | Sq.m |        |
|        |       |      | <b>Main data</b>   |       |      |        |
|        | 20.33 | kg   | Steel Special extruded section including fabrication charges |       | kg   |        |
|        | 17.08 | kg   | MS Rod 12mm dia  |       | kg   |        |
|        | 16.27 | kg   | Fixing MS rod  |       | kg   |        |
|        | 1.58  | Sq.m | Glazing 3mm pin headed                                       |       | Sq.m |        |
|        | 1.56  | Sq.m | Labour for fixing windows & furniture                        |       | Sq.m |        |
|        | 2.00  | Nos  | Window Stay  |       | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200mm   |       | Each |        |
|        | 4.00  | Nos  | Steel Offset Pivot hinges of size 3"                         |       | Each |        |

| Sl. No | Qty   |      | Description of work   | Rate  | Per  | Amount |
|--------|---|------|---|-------|------|--------|
|        | 2.00  | Nos  | Steel Handles 150mm long  |       | Each |        |
|        | 0.95  | Sq.m | Priming Coat  |       | Sq.m |        |
|        | 7.28  | RM   | Teak wood beading 15x12mm   |       | RM   |        |
|        |   | LS   | Conveyance, Handling, Scaffolding, Chipping Masonary concrete & making good the damaged portion |       | LS   |        |
|        |   |      | Rate for 1.56Sq.m   |       |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>   |       |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>   |       |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>  |       |      |        |
| 454    | <p>Fabricating, Supplying and fixing in position of <b>steel glazed window (Three Leaves)</b> with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with <b>3mm thick pin headed glass</b> and fixed with 15x12mm teakwood beading of superior quality and fixed with shutter frames. 2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle to be fixed to each shutter at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990. The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers.</p> |      |   |       |      |        |
|        |   |      | <b>Three Leaves - 1.50x1.30m</b>  |       |      |        |
|        |   |      | Area of window 1.95 Sq.m  |       |      |        |
|        |   |      | Outer frame F7D section 33x25x3mm   |       |      |        |
|        |   |      | Horizontal : 1x2x1.50x1.419 kg/m  | 4.26  | kg   |        |
|        |   |      | Vertical : 1x2x1.30x1.419 Kg/m  | 3.69  | kg   |        |
|        |   |      | Shutter frame F7D section 33x25x3mm   |       |      |        |
|        |   |      | Horizontal : 3x2x0.46x1.419 kg/m  | 3.92  | kg   |        |
|        |   |      | Vertical : 3x2x1.26x1.419 Kg/m  | 10.73 | kg   |        |
|        |   |      | J' Section centre Mullion F4 'B' section  |       |      |        |

| Sl. No | Qty    |      | Description of work  | Rate  | Per  | Amount |
|--------|--------|------|--|-------|------|--------|
|        |        |      | 2x1.26x2.28 kg/m   | 5.75  | kg   |        |
|        |        |      |  | 28.35 | kg   |        |
|        |        |      | Add 5% wastage   | 1.42  | kg   |        |
|        |        |      |  | 29.77 | kg   |        |
|        |        |      | MS bar 12Nos 12mm square                                     |       |      |        |
|        |        |      | 1x12x1.50x1.13kg/m   | 20.34 | kg   |        |
|        |        |      | Add 5% wastage   | 1.02  | kg   |        |
|        |        |      |  | 21.36 | kg   |        |
|        |        |      | 3mm Pin headed glass 1.45x1.25                               | 1.81  |      |        |
|        |        |      | Add 10% wastage  | 0.18  | Sq.m |        |
|        |        |      |  | 1.99  | Sq.m |        |
|        |        |      | TW beading 1x3x2(0.46+1.26)                                  | 10.32 | Rm   |        |
|        |        |      | Area of priming coat   |       |      |        |
|        |        |      | For window (1.95-1.81)2.20                                   | 0.31  | Sq.m |        |
|        |        |      | For MS rods 12x0.048x1.50                                    | 0.86  | Sq.m |        |
|        |        |      |  | 1.17  | Sq.m |        |
|        |        |      | <b>Main data</b>   |       |      |        |
|        | 29.768 | kg   | Steel Special extruded section including fabrication charges |       | kg   |        |
|        | 21.36  | kg   | MS Rod 12mm dia  |       | kg   |        |
|        | 20.34  | kg   | Fixing MS rod  |       | kg   |        |
|        | 1.99   | Sq.m | 3mm Pin headed glass   |       | Sq.m |        |
|        | 10.32  | RM   | Teak wood beading 15x12mm                                    |       | Rm   |        |
|        | 1.95   | Sq.m | Labour for fixing windows & furniture                        |       | Sq.m |        |
|        | 3.00   | Nos  | Window Stay  |       | Each |        |
|        | 4.00   | Nos  | Hold Fast of 200mm   |       | Each |        |
|        | 6.00   | Nos  | Steel Offset Pivot hinges of size 3"                         |       | Each |        |
|        | 3.00   | Nos  | Steel Handles 150mm long                                     |       | Each |        |
|        | 1.17   | Sq.m | Priming Coat   |       | Sq.m |        |

| Sl. No | Qty | Description of work   | Rate  | Per | Amount |
|--------|-----|---|-------|-----|--------|
|        | LS  | Conveyance, Handling, Scaffolding, Chipping Masonary concrete & making good the damaged portion   |       | LS  |        |
|        |     | Rate for 1.95Sq.m   |       |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X)</b>   |       |     |        |
|        |     | <b>Add water charges @1% of Sub Total X</b>   |       |     |        |
|        |     | <b>Rate for 1 Sq.m</b>  |       |     |        |
| 455    |     | Fabricating, Supplying and fixing in position of <b>steel glazed window (Four Leaves )</b> with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with <b>3mm thick pin headed glass</b> and fixed with 15x12mm teakwood beading of superior quality and fixed with shutter frames.2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle to be fixed each shutter at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990.The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers. |       |     |        |
|        |     | <b>Four Leaves - 1.80x1.30m</b>   |       |     |        |
|        |     | Area = 2.34 Sq.m  |       |     |        |
|        |     | Outer frame F7D section 33x25x3mm   |       |     |        |
|        |     | Horizontal : 1x2x1.80x1.419 kg/m  | 5.11  | kg  |        |
|        |     | Vertical : 1x2x1.30x1.419 Kg/m  | 3.69  | kg  |        |
|        |     | Shutter frame F7D section 33x25x3mm   |       |     |        |
|        |     | Horizontal : 4x2x0.42x1.419 kg/m  | 4.77  | kg  |        |
|        |     | Vertical : 4x2x1.26x1.419 Kg/m  | 14.30 | kg  |        |
|        |     | J' Section centre Mullion F4 'B' section  |       |     |        |
|        |     | 1x3x1.26x2.28 kg/m  | 8.62  | kg  |        |
|        |     |   | 36.49 | kg  |        |
|        |     | Add 5% wastage  | 1.82  | kg  |        |

| Sl. No | Qty   |      | Description of work   | Rate  | Per  | Amount |
|--------|-------|------|---|-------|------|--------|
|        |       |      |   | 38.31 | kg   |        |
|        |       |      | Glazing area 3mm pin headed   |       |      |        |
|        |       |      | 1x1.75x1.25   | 2.19  | Sq.m |        |
|        |       |      | Add 10% wastage   | 0.22  | Sq.m |        |
|        |       |      |   | 2.41  | Sq.m |        |
|        |       |      | TW beading 2x4x(0.42+1.26)  | 13.44 | RM   |        |
|        |       |      | 12mm square MS rod  |       |      |        |
|        |       |      | 1x12x1.80x1.13kg/m  | 24.41 | kg   |        |
|        |       |      | Add 5% wastage  | 1.22  | kg   |        |
|        |       |      |   | 25.63 | kg   |        |
|        |       |      | Area of priming coat  |       |      |        |
|        |       |      | For window (2.34-2.19)x2.20   | 0.33  | Sq.m |        |
|        |       |      | For MS rods 12x0.048x1.80   | 1.04  | Sq.m |        |
|        |       |      |   | 1.37  | Sq.m |        |
|        |       |      | <b>Main data</b>  |       |      |        |
|        | 38.31 | kg   | Steel Special extruded section including fabrication charges                                    |       | kg   |        |
|        | 25.63 | kg   | MS Rod 12mm dia   |       | kg   |        |
|        | 24.41 | kg   | Fixing MS rod   |       | kg   |        |
|        | 2.41  | Sq.m | Glazing 3mm pin headed  |       | Sq.m |        |
|        | 13.44 | RM   | TW beading 15sx12mm   |       | RM   |        |
|        | 2.34  | Sq.m | Labour for fixing windows & furniture   |       | Sq.m |        |
|        | 4.00  | Nos  | Window Stay   |       | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200mm  |       | Each |        |
|        | 8.00  | Nos  | Steel Offset Pivot hinges of size 3"  |       | Each |        |
|        | 4.00  | Nos  | Steel Handles 150mm long  |       | Each |        |
|        | 1.37  | Sq.m | Priming Coat  |       | Sq.m |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, Chipping Masonary concrete & making good the damaged portion |       | LS   |        |
|        |       |      | Rate for 2.34 Sq.m  |       |      |        |

| Sl. No | Qty | Description of work  | Rate  | Per  | Amount |
|--------|-----|--|-------|------|--------|
|        |     | <b>Sub Total for 1 Sq.m (X)</b>  |       |      |        |
|        |     | <b>Add water charges @1% of Sub Total X</b>  |       |      |        |
|        |     | <b>Rate for 1 Sq.m</b>   |       |      |        |
| 456    |     | <p>Fabricating, Supplying and fixing in position of <b>steel glazed window (Five Leaves)</b> with the following specifications. Outer frames of windows made of 'Z' section F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion 'J' section (F4B) of size 46x25x3mm at 2.28kg/m and shutter section of made of F7D of 33x25x3mm at 1.419 kg/m as specified in IS 7452/1990. Each openable shutter should not exceed a width of 600mm to enable separate operations and easy maintenance. The panel of the shutters to be covered with <b>3mm thick pin headed glass</b> and fixed with 15x12mm teakwood beading of superior quality and fixed with shutter frames. 2 numbers of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle to be fixed to each shutter at an appropriate height in window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each window shutter having an adjustable stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window. An MS square bar of 12mm size is welded to the inner face of the window at an equal interval not exceeding 100mm edge between them. All members are painted with one coat of anti-corrosive red oxide primer as directed by the departmental officers. All sections should be in confirmed with IS 7452/1990. The cost includes cost of all materials, labour charges and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers.</p> |       |      |        |
|        |     | <b>Five Leaves - 2.10x1.30m</b>  |       |      |        |
|        |     | Area = 2.703 Sq.m  |       |      |        |
|        |     | Consider a size 2.50x1.90x4.75Sq.m   |       |      |        |
|        |     | Outer frame F7D section 33x25x3mm  |       |      |        |
|        |     | Vertical : 2x1.30x1.419 kg/m   | 3.69  | kg   |        |
|        |     | Horizontal : 2x2.10x1.419 kg/m   | 5.96  | kg   |        |
|        |     | Shutter frame Vertical:<br>2x5x1.26x1.419 kg/m   | 17.88 | kg   |        |
|        |     | Shutter frame Horizontal :<br>2x5x0.40x1.419 kg/m  | 5.68  | kg   |        |
|        |     | J' Section centre Mullion<br>1x4x1.26x2.28 kg/m  | 11.49 | kg   |        |
|        |     |  | 44.70 | kg   |        |
|        |     | Add 5% wastage   | 2.23  | kg   |        |
|        |     |  | 46.93 | kg   |        |
|        |     | Glazing area 3mm pin headed  |       |      |        |
|        |     | 1x2.05x1.25  | 2.56  | Sq.m |        |
|        |     | Add 10% wastage  | 0.256 | Sq.m |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      |  | 2.82  | Sq.m |        |
|        |       |      | TW beading 1x2x5(0.40+1.26)  | 16.60 | Rm   |        |
|        |       |      | 12mm M.S Square rod 12<br>Nosx2.10x1.13 kg/m   | 28.48 | kg   |        |
|        |       |      | Add 5% wastage   | 1.42  | kg   |        |
|        |       |      |  | 29.90 | kg   |        |
|        |       |      | Area of priming coat (2.703-2.56)<br>x2.20   | 0.37  | Sq.m |        |
|        |       |      | For MS rods = 12x0.048x2.10  | 1.21  | Sq.m |        |
|        |       |      |  | 1.58  | Sq.m |        |
|        |       |      | <b>Main data</b>   |       |      |        |
|        | 46.93 | kg   | Steel Special extruded section<br>including fabrication charges                                      |       | kg   |        |
|        | 29.9  | kg   | 12mm MS Square rod   |       | kg   |        |
|        | 28.48 | kg   | Fixing MS rod  |       | kg   |        |
|        | 2.82  | Sq.m | Glazing area 3mm pin headed  |       | Sq.m |        |
|        | 16.6  | RM   | TW beading   |       | Rm   |        |
|        | 5.00  | Nos  | Window Stay  |       | Each |        |
|        | 4.00  | Nos  | Hold Fast of 200mm   |       | Each |        |
|        | 10.00 | Nos  | Steel Offset Pivot hinges of size 3"   |       | Each |        |
|        | 5.00  | Nos  | Steel Handles 150mm long   |       | Each |        |
|        | 1.58  | Sq.m | Priming coat with red oxide  |       | Sq.m |        |
|        | 2.703 | Sq.m | Labour charges for fixing window<br>furniture fittings   |       | Sq.m |        |
|        |       |      | Conveyance, Handling, Scaffolding,<br>Chipping/Masonry concrete & making<br>good the damaged portion |       | LS   |        |
|        |       |      | Rate for 2.703Sq.m   |       |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>  |       |      |        |
|        |       |      | <b>Add water charges @1% of<br/>Sub Total X</b>  |       |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |       |      |        |

| Sl. No | Qty | Description of work  | Rate  | Per  | Amount |
|--------|-----|--|-------|------|--------|
| 457    |     | Manufacturing, Supplying and fixing in position of <b>steel glazed Arch window (Three leaves)</b> with the following specifications. The Outer frames of windows made out of F7D of size 33 x 25 x 3mm at 1.419 kg/ m and mullion of F4B section of size 46x25x3mm at 2.28kg/m. Each openable shutter having a overall width of 450mm. 2Nos of <b>Steel Offset Pivot hinges of size 3"</b> and one number of handle Cu.m latch of special type made with 18x5mm M.S flat are rivetted in th shutters at appropriate height in the window. suitable opening is left for its easy operation. a stopper square rod for handle is provided in the mullion section at suitable place to catch the window handle. each shutter having one adjustable window stay made out of 18 x 5mm at 0.70 kg/ m MS flat of length 320mm with three adjustable position. A matching peg is provided in the outer frame of the window at suitable place. 4 Nos. of hold fasts of 200mm length spliced at the ends are welded to the outer frame of the window.18x3mm at 0.42kg/m. M.S.flat is welded to the shutter at the two place equidistant from each other from top and bottom of the shutter is made up of 3mm pin headed glass of superior quality is laid as panel in the shutter frames and fixed intact. M.S.square intervals not exceeding 100mm, centre and the top portion 0.30m height with fixed glazing. All members are painted with one coat of anticorrosive red oxide primer as directed by the departmental officer .All sections should be in confirmed with IS 7452/1990.The cost includes cost of all materials, labour charges, transportation, taxes and other incidental charges, etc., complete complying with standard specification and as directed by the departmental officers. |       |      |        |
|        |     | Area of window 1.50x1.30 Sq.m(Three leaves)  | 1.95  | Sq.m |        |
|        |     | size of Arch : 1.50x0.30   | 0.45  | Sq.m |        |
|        |     | Total  | 2.40  | Sq.m |        |
|        |     | Outer frame F7D section 33x25x3mm @ 1.419kg  |       |      |        |
|        |     | Horizontal : 1x2x1.50x1.419 kg/m   | 4.26  | kg   |        |
|        |     | Vertical : 1x2x1.30x1.419 Kg/m   | 3.69  | kg   |        |
|        |     | Arch portion 1x1x1.89x1.419 kg/m   | 2.68  | kg   |        |
|        |     | Shutter frame F7D section 33x25x3mm  |       |      |        |
|        |     | Horizontal : 3x2x0.46x1.419 kg/m   | 3.92  | kg   |        |
|        |     | Vertical : 3x2x1.24x1.419 Kg/m   | 10.58 | kg   |        |
|        |     | For Arch : 1x(1.44+1.89)x1.419   | 4.73  | kg   |        |
|        |     | J' Section centre Mullion F4 'B' section   |       |      |        |
|        |     | 1x2x1.27x2.28 kg/m   | 5.79  | kg   |        |
|        |     | Fixed Arch portion: 1x2x0.27x2.28  | 1.23  | kg   |        |
|        |     | M.S flat : 3x2x0.42x0.42 kg/m  | 1.06  | kg   |        |
|        |     |  | 37.94 | kg   |        |
|        |     | Add 5% wastage   | 1.90  | kg   |        |

| Sl. No | Qty   |      | Description of work  | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      |  | 39.84 | kg   |        |
|        |       |      | MS bar 12Nos 12mm square                                     |       |      |        |
|        |       |      | 1x12x1.50x1.13 kg/m  | 20.34 | kg   |        |
|        |       |      | Add 5% wastage   | 1.017 | kg   |        |
|        |       |      |  | 21.36 | kg   |        |
|        |       |      | 3mm pin headed glass   |       |      |        |
|        |       |      | 1x3x1.24x0.46  | 1.71  | Sq.m |        |
|        |       |      | For glazing : 1x1.50x0.30                                    | 0.45  | Sq.m |        |
|        |       |      |  | 2.16  | Sq.m |        |
|        |       |      | Add 10% wastage  | 0.22  | Sq.m |        |
|        |       |      |  | 2.38  | Sq.m |        |
|        |       |      | T.W Beading for glazing :<br>1x2(1.50+0.30)                  | 3.60  | Rm   |        |
|        |       |      | T.W beading 1x3x2x(0.46+1.24)                                | 10.20 | Rm   |        |
|        |       |      |  | 13.80 | Rm   |        |
|        |       |      | Area of priming coat   |       |      |        |
|        |       |      | For window [2.40-(1.71+0.45)]2.20                            | 0.53  | Sq.m |        |
|        |       |      | For MS rods 12x0.048x1.50                                    | 0.86  | Sq.m |        |
|        |       |      |  | 1.39  | Sq.m |        |
|        |       |      | <b>Main data</b>   |       |      |        |
|        | 39.84 | kg   | Steel Special extruded section including fabrication charges |       | kg   |        |
|        | 21.36 | kg   | MS Rod 12mm dia  |       | kg   |        |
|        | 20.34 | kg   | Fixing MS rod  |       | kg   |        |
|        | 6.00  | Nos  | Steel offset pivot hinges of size 3"                         |       | Each |        |
|        | 3.00  | Nos  | Window stay  |       | Each |        |
|        | 2.38  | Sq.m | 3mm pin headed glass   |       | Sq.m |        |
|        | 13.80 | Rm   | Teak wood beading  |       | Rm   |        |
|        | 2.40  | Sq.m | Labour for fixing windows & furniture                        |       | Sq.m |        |
|        | 4.00  | Nos  | Hold Fast of 200mm   |       | Each |        |
|        | 3.00  | Nos  | Steel Handles 150mm long                                     |       | Each |        |

| Sl. No | Qty  |      | Description of work   | Rate | Per  | Amount |
|--------|------|------|---|------|------|--------|
|        | 1.39 | Sq.m | Priming Coat  |      | Sq.m |        |
|        |      |      | Conveyance, Handling, Scaffolding, Chipping Masonary concrete & making good the damaged portion |      | LS   |        |
|        |      |      | Rate for 2.40 Sq.m  |      |      |        |
|        |      |      | <b>Sub Total for 1 Sq.m (X)</b>   |      |      |        |
|        |      |      | <b>Add water charges @1% of Sub Total X</b>   |      |      |        |
|        |      |      | <b>Rate for 1 Sq.m</b>  |      |      |        |

| Sl. No | Qty | Description of work   | Rate  | Per  | Amount |
|--------|-----|---|-------|------|--------|
| 458    |     | Manufacturing, supplying and fixing <b>Steel fixed partitions</b> using Steel grills made out of 40x40x6mm at 3.5 Kg/m are used as the outer frames. MS Angles of size 40x40x6mm at 2.6Kg/m is welded intact withouter frame from 1/3 bottom portion for fixing CR sheet & MS grill 18 GCR sheet is laid as panel & welded intact for 1/3 bottom portion. MS Flat are provided as per design 2/3 top Portion is provided with MS grill of 15Kg/Sq.m as panel. The design & style for the upper grill work should be approved by the departmental Officers. MS Flat 18 x 5mm at 0.7 Kg/m is welded as additional stiffeners at the rear side of the CR sheet panel, 2 Nos of hold fasts of 200mm in length made out of 40x40x6mm MS Angle spliced at the ends are welded to one side of the outer frame & the other side of the outer frame suitable arrangements should be made to be fixed rigidly with adjoining door/ window outer frame. All members are given one coat of red oxide primer as directed by the departmental officers. The rate includes cost of materials, labour charges, transportation, taxes & all other incidental charges etc., complete. |       |      |        |
|        |     | Consider a size of 1.27x2.10m area = 2.67 Sq.m  |       |      |        |
|        |     | Top Vertical : 2x2.10   | 4.2   |      |        |
|        |     | Top & bottom Horizontal:2x1.27  | 2.54  |      |        |
|        |     |   | 6.74  | Rm   |        |
|        |     | Wt.of angle : 6.74x3.5 kg/m   | 23.59 | kg   |        |
|        |     | Angle of size 35x35x5mm angle at 1/3 ht. from bottom  |       |      |        |
|        |     | Horizontal 1x1x1.27   | 1.27m |      |        |
|        |     | Wt.of angle : 1.27x2.6 kg/m   | 3.30  | kg   |        |
|        |     |   | 26.89 | kg   |        |
|        |     | Add 5% for wastage  | 1.34  |      |        |
|        |     |   | 28.23 | kg   |        |
|        |     | Shutter panel 1/3 bottom portion 18GCR sheet<br>1x1.259x0.688=0.867Sq.m<br>Wt.of C.R.Sheet 0.867x9.80kg/Sq.m  | 8.49  | kg   |        |
|        |     | Add 5% for wastage  | 0.42  |      |        |
|        |     |   | 8.91  | kg   |        |
|        |     | Shutter panel 2/3 Grill portion   |       |      |        |
|        |     | Area of grill 1x1.259 x 1.389   | 1.75  | Sq.m |        |
|        |     | Wt. of Grill 1.75 x15kg/Sq.m  | 26.25 | kg   |        |
|        |     | Add 5% for wastage  | 1.31  | kg   |        |
|        |     |   | 27.56 | kg   |        |
|        |     | Painting area (2.667-1.75)x2.20   | 2.02  | Sq.m |        |

| Sl. No | Qty   |      | Description of work  | Rate | Per  | Amount |
|--------|---|------|--|------|------|--------|
|        |   |      | <b>Main Data</b>   |      |      |        |
|        | 28.23   | kg   | M.S. Angle   |      | kg   |        |
|        | 8.91  | kg   | C.R. Sheet   |      | kg   |        |
|        | 27.56   | kg   | Grill  |      | kg   |        |
|        | 2.02  | Sq.m | Priming Coat   |      | Sq.m |        |
|        | 35.38   | kg   | Labour for cutting, welding & finishing  |      | kg   |        |
|        | 2.00  | Nos  | Hold fast of 200mm   |      | Each |        |
|        | 2.67  | Sq.m | Labour charge for fixing   |      | Sq.m |        |
|        |   | LS.  | Conveyance, Handling, Scaffolding, Chipping/Masonry concrete & making good the damaged portion |      | LS.  |        |
|        |   |      | Rate for 2.67 Sq.m   |      |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| 459    | Supplying ,fabricating and fixing in position of <b>steel frame</b> without bottom frame, of size 100X60mm rectangular section with necessary rebate 30mmX15mm, to host the shutter,using <b>1.25mm thick (18 guage) CRCA cold rolled frame steel plate</b> confirming to ISI specified ensured of right butt joint riveted hold assembly with nylon insert,not be welded with special purpose hard ware.Proclaimed including phopating as per ISI with rust preventive primer ready to assemble condition for easy installation at site including dismantling,making necessary chipping and holes in RCC columns, walls with power drills to the extent required ,including providing concrete 1:2:4 inside the box curing etc... complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|        | 1.00  | Rm   | Cost of CRCA Door frame with Thickness :   |      | Rm   |        |
|        | 0.01  | Cu.m | P.C.C 1:2:4 Using 20mm HBGS Jelly  |      | Cu.m |        |
|        | 0.05  | Nos  | Fixing Charges - Carpenter Class II  |      | No   |        |
|        |   |      | <b>Sub Total for 1 RM (X)</b>  |      |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|        |   |      | <b>Rate for 1 RM</b>   |      |      |        |
|        |   |      |  |      |      |        |

| Sl. No | Qty  | Description of work   | Rate  | Per  | Amount |          |
|--------|------|---|---|------|--------|----------|
| 460    |      | <b>Stainless Steel (Salem Stainless Steel) Door Frame</b> - Box Section using Stainless Steel Plate with following thickness with the size of 100mm x 60mm with a rebate of 30 / 35mm x 15mm on one side of the frame including supplying and fixing dovetail splayed end stainless steel Hold fast etc including dismantling, making necessary chipping and holes in RCC columns, walls with power drills to the extent required ,including providing concrete 1:2:4 inside the box curing etc complete complying with standard specification and as directed by the departmental officers - SS Door Frame with thickness of 1mm/1.60mm.   |   |      |        |          |
|        | 1.00 | Rm  | Cost of SS Door frame with Thickness:       | Rm   |        |          |
|        | 0.01 | Cu.m  | P.C.C 1:2:4 Using 20mm HBGS Jelly           | Cu.m |        |          |
|        | 0.05 | Nos   | Fixing Charges - Carpenter Class II         | Each |        |          |
|        |      |   | <b>Sub Total for 1 RM (X)</b>               |      |        |          |
|        |      |   | <b>Add water charges @1% of Sub Total X</b> |      |        |          |
|        |      |   | <b>Rate for 1 RM</b>                        |      |        |          |
|        |      |   |   |      |        |          |
|        |      |   | "N "TYPE VENTILATOR                         |      |        |          |
| 461    |      | Fabrication, supply and fixing in position of ' <b>N' type ventilators</b> using M.S. angle of size 25 x 25 x5 mm for frame and M.S. Flat of size 20 x 3 mm for fixing the weld mesh and using 25 x 22 x3 mm 'T' section for frame glass. Special type of Hold fast welded to the frame of 45 degree inclined towards centre for wall and fixing the weldmesh 25mm square including cost of 3mm thick pinheaded glass panes for all panels and fixing the glass panels with necessary clips & putties with required bolts, nuts and washers and one coat of red oxide primer etc. including necessary dismantling, making holes in RCC columns, beams, masonry wherever necessary with power drill to the extend required and made good to the original conditions after fising complete complying with standard specification and as directed by the departmental officers |   |      |        |          |
|        |      |   | Consider a size of ventilator 2.5 x 0.6     | 1.50 | Sq.m   |          |
|        |      |   | L Angle 25x25x5mm                           |      |        |          |
|        |      |   | Horizontal member                           | 4.00 | 2.50   | 10.00    |
|        |      |   | Vertical                                    | 4.00 | 0.35   | 1.40     |
|        |      |   | Hold fast                                   | 4.00 | 0.15   | 0.60     |
|        |      |   | Subtotal                                    |      |        | 12       |
|        |      |   | Total weight of 'L' Angle @ 1.8 kg/rm       |      |        | 21.60 Kg |
|        |      |   | 25 x 22 x 3 mm 'T' section @ 1.03 kg/rm     | 2.00 | 4X0.35 | 2.8      |
|        |      |   | Weight of ' T ' section @ 1.03 kg/rm        |      |        | 2.85 Kg  |
|        |      |   | Subtotal                                    |      |        |          |
|        |      |   | M.S. Flat @ 0.5 kg/m                        | 2.00 | 4.00   | 0.20     |

| Sl. No | Qty   |      | Description of work                                | Rate                             | Per           | Amount   |
|--------|-------|------|--|----------------------------------|---------------|----------|
|        |       |      | 2(2.50 - 2x.0.025)4 nos.                           |                                  |               | 1.96     |
|        |       |      | Weight of' M.S. Flat @ 0.5 kg/mtotal               |                                  |               | 0.98 Kg  |
|        |       |      | Alround @ 0.5 kg/rm                                | 2.5                              | 2.00          | 5.00     |
|        |       |      |  |                                  |               | 0.50 Kg  |
|        |       |      | Total weight of 'L' Angle,T section,M.S.Flat       | 21.6+<br>2.884+<br>0.98+<br>3.48 | 0.98+<br>2.50 | 27.96    |
|        |       |      | Add 5% for wastage                                 |                                  |               | 1.40     |
|        |       |      |  |                                  |               | 29.36 Kg |
|        | 0.20  |      | Weld mesh  | 2.5                              | Sq.m          | 0.50     |
|        |       |      | Glass 10x0.5x0.30                                  |                                  | Sq.m          | 1.50     |
|        |       |      | Add 10 % for wastage                               |                                  |               | 0.15     |
|        |       |      |  |                                  |               | 1.65     |
|        |       |      | Primer ( 1.96+5)x0.025=0.174Sq.m                   |                                  |               |          |
|        |       |      | 14.80x.025 =0.37Sq.m                               |                                  |               |          |
|        |       |      | 0.544Sq.m  |                                  |               |          |
|        |       |      | <b>Main Data</b>                                   |                                  |               |          |
|        | 29.36 | Kg   | MS angles & Flats                                  |                                  | Kg            |          |
|        | 0.50  | Sq.m | Weld mesh 75x25mm                                  |                                  | Sq.m          |          |
|        | 1.65  | Sq.m | 3mm thick pin headed Glass                         |                                  | Sq.m          |          |
|        | 0.544 | Sq.m | Priming coat                                       |                                  | Sq.m          |          |
|        | 27.96 | Kg   | Labour charges                                     |                                  | Kg            |          |
|        |       | LS   | Dismantling, red oxide charge etc. & glass pin etc |                                  | LS            |          |
|        |       |      | Rate for 1.50Sq.m                                  |                                  |               |          |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>                    |                                  |               |          |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>        |                                  |               |          |
|        |       |      | <b>Rate for 1 Sq.m</b>                             |                                  |               |          |
|        |       |      |  |                                  |               |          |

| Sl. No | Qty | Description of work   | Rate  | Per  | Amount |
|--------|-----|---|-------|------|--------|
| 462    |     | Supplying and fixing in position <b>Glazed steel ventilator with Side/Central hung shutters( Two Leaves)</b> frames and made shutter frame made out of steel section conforming to IS 7452 /1990.The outer frame made out of z section (F7D) of size 33 x22 x3 mm conforming to IS 7452/1990.The mullions are made out of (F4B) section of size 46x25x3 mm and conforming to IS7452/1990.The shutters are individual and each of them can be operated separately.Sash bars are made of T section (T2) of size 25 x 22 x 3mm 2 nos of sturdy hinges and one number of handle Cu.m latch of special type are fixed are each openable shutter with suitable opening in left for its easy operation, one member of adjustable strings with fixing brackets of sufficient length are provided for each shutter 4 nos of 40 x 40 x 3 mm angle hold fast 200mm length are welded with the frame at appropriate point M.S Square bars of 12 mm dia is welded to the inner face of the ventilator at equal intervals not exceeding 10 cm spacing 3mm pin headed glass is used for Glazing with good quality and fixed with 15 x 12 mm teak wood beadings with screws for fixing .The shutters are to open outside. All the section are given with one coat of red oxide primer etc., complete complying with standard specification. The sample of materials and fittings shall be got approved by the departmental officers before use on work. The rate shall inclusive of cost all materials labour charges one coat of primer,weld charges, including cost of welding electrodes,transportation to site work, loading,unloading and incidental charges etc., complete complying with standard specification and as directed by the departmental officers |       |      |        |
|        |     | Two Leaves  |       |      |        |
|        |     | Size of ventilator of size=0.9mx0.6m  | 0.54  | Sq.m |        |
|        |     | Outer frame H=2x0.9x1.419 =   | 2.55  | kg   |        |
|        |     | Outer frame V=2x0.6x1.419 =   | 1.70  | kg   |        |
|        |     | Internal Mullion 1x0.6x2.28 kg  | 1.37  | kg   |        |
|        |     | Shutter Top & Bottom H=2x2x0.42x1.419 =   | 2.38  | kg   |        |
|        |     | Vertical = 2x2x0.56x1.419 =   | 3.18  | kg   |        |
|        |     | Glazing bar section = 2x1x-0.38x1.036 =   | 0.79  | kg   |        |
|        |     |   | 11.97 | kg   |        |
|        |     | Add 5% wastage  | 0.60  | kg   |        |
|        |     |   | 12.57 | kg   |        |
|        |     | Glazed panel area = (2x0.42)x0.56   | 0.47  | Sq.m |        |
|        |     | Add 10% wastage   | 0.047 | Sq.m |        |
|        |     |   | 0.52  | Sq.m |        |
|        |     | TW Beading = 2x2x2x(0.38+0.55)  | 7.44  | RM   |        |
|        |     | 12mm sq. rods=4x0.90x1.13kg/m   | 4.07  | kg   |        |
|        |     | Add 5% wastage  | 0.20  | kg   |        |
|        |     |   | 4.27  | kg   |        |

| Sl. No | Qty   |      | Description of work  | Rate | Per  | Amount |
|--------|-------|------|--|------|------|--------|
|        |       |      | Primer   |      |      |        |
|        |       |      | (0.54-0.47)x2.20   | 0.15 | Sq.m |        |
|        |       |      | MS rod 4x0.048x0.90  | 0.17 | Sq.m |        |
|        |       |      |  | 0.32 | Sq.m |        |
|        |       |      | <b>Main data</b>   |      |      |        |
|        | 12.57 | Kg   | Steel Special Extruded sections  |      | Kg   |        |
|        | 4.27  | Kg   | 12mm Sq. rods  |      | Kg   |        |
|        | 4.07  | Kg   | Labour charges for fixing M.S.rods   |      | Kg   |        |
|        | 0.52  | Sq.m | Pin headed 3mm thick glass   |      | Sq.m |        |
|        | 7.44  | RM   | TW Beading 15x12mm   |      | RM   |        |
|        | 0.54  | Sq.m | Labour for fixing ventilator   |      | Sq.m |        |
|        | 0.32  | Sq.m | Primer   |      | Sq.m |        |
|        | 4.00  | Nos  | Hold Fast of 200mm   |      | Each |        |
|        | 4.00  | Nos  | Hinges 100mmx30mm  |      | Each |        |
|        |       | LS   | Conveyance, Handling, Scaffolding, Chipping/Masonry concrete & making good the damaged portion |      | LS   |        |
|        |       |      | Rate for 0.54 Sq.m   |      |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |      |      |        |

| Sl. No | Qty | Description of work  | Rate  | Per  | Amount |
|--------|-----|--|-------|------|--------|
| 463    |     | supplying and fixing in position <b>Glazed steel ventilator with Side/Central hung shutters (Three Leaves)</b> frames and made shutter frame made out of steel section conforming to IS 7452 /1990.The outer frame made out of z section (F7D) of size 33 x22 x3 mm conforming to IS 7452/1990.The mullions are made out of (F4B) section of size 46x25x3 mm and conforming to IS7452/1990.The shutters are individual and each of them can be operated separately.Sash bars are made of T section (T2) of size 25 x 22 x 3mm 2 nos of sturdy hinges and one number of handle Cu.m latch of special type are fixed are each openable shutter with suitable opening in left for its easy operation, one member of adjustable strings with fixing brackets of sufficient length are provided for each shutter 4 nos of 40 x 40 x 3 mm angle hold fast 200mm length are welded with the frame at appropriate point M.S Square bars of 12 mm dia is welded to the inner face of the ventilator at equal intervals not exceeding 10 cm spacing 3mm pin headed glass is used for Glazing with good quality anf fixed with 15 x 12 mm teak wood beadings with screws for fixing .The shutters are to open outside.All the section are given with one coat of red oxide primer etc. complete complying with standard specification. The sample of materials and fittings shall be got approved by the departmental officers before use on work. The rate shall inclusive of cost all materials labour charges one coat of primer,weld charges, including cost of welding electrodes,transportation to site work, loading,unloading and incidental charges etc., complete complying with standard specification and as directed by the departmental officers. |       |      |        |
|        |     | Three Leaves   |       |      |        |
|        |     | Size of ventilator of size=0.9mx0.6m   | 0.54  | Sq.m |        |
|        |     | Outer frame H=2x0.9x1.419 =  | 2.55  | kg   |        |
|        |     | Outer frame V=2x0.6x1.419 =  | 1.70  | kg   |        |
|        |     | Internal Mullion 2x0.6x2.28 kg   | 2.70  | kg   |        |
|        |     | Shutter Top & Bottom H=2x3x0.27x1.419 =  | 2.3   | kg   |        |
|        |     | Vertical = 2x3x0.57x1.419 =  | 4.85  | kg   |        |
|        |     | Glazing bar section = 3x1x-0.24x1.036 =  | 0.75  | kg   |        |
|        |     |  | 14.89 | kg   |        |
|        |     | Add 5% wastage   | 0.74  | kg   |        |
|        |     |  | 15.63 | kg   |        |
|        |     | Glazed panel area = (3x0.27)x0.54  | 0.44  | Sq.m |        |
|        |     | Add 10% wastage  | 0.04  | Sq.m |        |
|        |     |  | 0.48  | Sq.m |        |
|        |     | TW Beading = 2x3x2x(0.27+0.54)   | 9.72  | RM   |        |
|        |     | 12mm sq. rods=4x0.90x1.13kg/m  | 4.07  | kg   |        |
|        |     | Add 5% wastage   | 0.20  | kg   |        |
|        |     |  | 4.27  | kg   |        |

| Sl. No | Qty  |      | Description of work  | Rate | Per  | Amount |
|--------|--|------|--|------|------|--------|
|        |  |      | Primer   |      |      |        |
|        |  |      | (0.54-0.44)x2.20   | 0.22 | Sq.m |        |
|        |  |      | MS rod 4x0.048x0.90  | 0.17 | Sq.m |        |
|        |  |      |  | 0.39 | Sq.m |        |
|        |  |      | <b>Main data</b>   |      |      |        |
|        | 15.63  | kg   | Steel Special Extruded sections  |      | kg   |        |
|        | 4.27   | kg   | 12mm Sq. rods  |      | kg   |        |
|        | 4.07   | kg   | Labour charges for fixing M.S.rods   |      | kg   |        |
|        | 0.48   | Sq.m | Pin headed 3mm thick glass   |      | Sq.m |        |
|        | 9.72   | RM   | TW Beading 15x12mm   |      | RM   |        |
|        | 0.54   | Sq.m | Labour for fixing ventilator   |      | Sq.m |        |
|        | 0.39   | Sq.m | Primer   |      | Sq.m |        |
|        | 4.00   | Nos  | Hold Fast of 200mm   |      | Each |        |
|        | 6.00   | Nos  | Hinges 100mmx30mm  |      | Each |        |
|        |  | LS   | Conveyance, Handling, Scaffolding, Chipping/Masonry concrete & making good the damaged portion |      | LS   |        |
|        |  |      | Rate for 0.54Sq.m  |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| 464    | Supplying and Fixing in position <b>steel glazed Ventilators</b> with central hung swing shutter using F7D section of size 30x25x3mm for inner outer frames with 4 Nos. Of 12mm dia MS sq.bars for protection and 2 Numbers of clamps welded with outer frame and using 3mm thick pin headed glass for panel including painting with one coat of Red Oxide Primer dismantling the masonry wherever necessary for fixing the ventilator and redoing the same to the original condition fixing the ventilator and redoing the same to the original condition fixing the ventilator in position etc. complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|        |  |      | Single a ventilator of size=0.6mx-0.6m   | 0.36 | Sq.m |        |
|        |  |      | Consider a ventilator of size = 0.6x0.6 area   | 0.36 | Sq.m |        |
|        |  |      | Outer frame H=2x0.6x1.419 =  | 1.7  | kg   |        |
|        |  |      | Outer frame V=2x0.6x1.419 =  | 1.7  | kg   |        |

| Sl. No | Qty  |      | Description of work                         | Rate  | Per  | Amount |
|--------|--|------|---|-------|------|--------|
|        |  |      | Shutter Top & Bottom H=2x1x0.57x1.419 =     | 1.62  | kg   |        |
|        |  |      | Vertical = 2x1x0.56x1.419 =                 | 1.59  | kg   |        |
|        |  |      | Glazed bar = 1x1x0.53x0.889 =               | 0.47  | kg   |        |
|        |  |      |   | 7.08  |      |        |
|        |  |      | Glass = 2x1x0.60x0.30                       | 0.36  | Sq.m |        |
|        |  |      | TW Beadins = 2x1x2x(0.60+0.30)              | 3.6   | RM   |        |
|        |  |      | 12mm sq. rods=4x0.60x1.13kg/m               | 2.701 | kg   |        |
|        |  |      | Primer = 0.36x1                             | 0.36  | Sq.m |        |
|        |  |      | <b>Main data</b>                            |       |      |        |
|        | 7.08   | kg   | Steel Special Extruded sections             |       | kg   |        |
|        | 2.701  | kg   | 12mm Sq. rods                               |       | kg   |        |
|        | 0.36   | Sq.m | Pin headed 3mm thick                        |       | Sq.m |        |
|        | 3.60   | RM   | TW Beading                                  |       | RM   |        |
|        | 4.00   | Nos  | Hold fast of 200mm                          |       | Each |        |
|        | 0.36   | Sq.m | Labour charges                              |       | Sq.m |        |
|        | 2.701  | kg   | Labour for providing bars by welding        |       | kg   |        |
|        | 0.36   | Sq.m | Primer                                      |       | Sq.m |        |
|        | 4.00   | Nos  | Hinges 100x30                               |       | Each |        |
|        |  | LS   | Sundries for Conveyance                     |       | LS   |        |
|        |  |      | Rate for 0.36 Sq.m                          |       |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>             |       |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b> |       |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                      |       |      |        |
| 465    | Fabricating supplying and fixing in position <b>M.S Steel framed door with weldmesh and fine wire mesh</b> netting etc. with necessary locking facilities and hinges including cost of red oxide primer etc., complete complying with standard specification and as directed by the departmental officers. |      |   |       |      |        |
|        |  |      | Consider a door of size 0.75m x 1.80m       |       |      |        |
|        |  |      | Area =                                      | 1.35  | Sq.m |        |
|        |  |      | Outer frame                                 |       |      |        |

| Sl. No | Qty   |      | Description of work   | Rate  | Per  | Amount |
|--------|-------|------|---|-------|------|--------|
|        |       |      | M.S. angle 40x40x6 mm   |       |      |        |
|        |       |      | (2x1.80) + 0.75   | 4.35  |      |        |
|        |       |      | Hold fasts 6 Nos 6x0.15   | 0.90  |      |        |
|        |       |      |   | 5.25  | RM   |        |
|        |       |      | Weight of M.S. angle =<br>5.25x3.50kg/m                               | 18.38 | kg   |        |
|        |       |      | Stiffener rod 0.75m =<br>0.75x0.60kg/m                                | 0.45  | kg   |        |
|        |       |      | Shutter frame   |       |      |        |
|        |       |      | Frame MS angle 35x35x5mm=<br>2(1.76+0.73)                             | 4.98  | RM   |        |
|        |       |      | Weight of angle 4.98x2.60   | 12.95 | kg   |        |
|        |       |      | Stiffener 32x6mm flat   |       |      |        |
|        |       |      | Horizontal 3x0.73=  | 2.19  | RM   |        |
|        |       |      | Weight of stiffener 2.19x1.50   | 3.29  | kg   |        |
|        |       |      | Weight of 18x5mm stiffener=<br>3x0.73x0.70                            | 1.53  | kg   |        |
|        |       |      | Tower bolt 6mm rod 2x0.46x1.58  | 1.45  | kg   |        |
|        |       |      | Locking arrangements  | 1.49  | kg   |        |
|        |       |      |   | 39.50 | kg   |        |
|        |       |      | Area of weldmesh  |       |      |        |
|        |       |      | 7.5 x 2.5 cm 10gauge =<br>1.76x0.71                                   | 1.21  | Sq.m |        |
|        |       |      | Fine wire mesh (fly proof mesh)<br>area                               | 1.21  | Sq.m |        |
|        |       |      | <b>MAIN DATA</b>  |       |      |        |
|        | 39.5  | kg   | Ms angle flats rods etc   |       | kg   |        |
|        | 1.21  | Sq.m | Weldmesh 7.5x2.5cm  |       | Sq.m |        |
|        | 1.21  | Sq.m | Fly proof mesh  |       | Sq.m |        |
|        | 2.00  | Nos  | MS Handle 200 mm (Heavy Duty)   |       | Each |        |
|        | 1.35  | Sq.m | Primer  |       | Sq.m |        |
|        | 39.50 | kg   | Labour charges for fabrication of M.S<br>Angles with weld mesh - Door |       | kg   |        |
|        | 1.35  | Sq.m | Labour charges for fixing doors                                       |       | Sq.m |        |
|        |       |      | Rate for 1.35Sq.m   |       |      |        |

| Sl. No | Qty  |      | Description of work                                | Rate | Per  | Amount |
|--------|--|------|--|------|------|--------|
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>                    |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>        |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                             |      |      |        |
| 466    | Fabrication, Supply and fixing in position fine wiremesh netting inclusive of cost of red oxide primer etc. complete complying with standard specification and as directed by the departmental officers. |      |  |      |      |        |
|        |  |      | Area 0.375 Sq.m                                    |      |      |        |
|        |  |      | Outer frame : M.S. angle 35x35x5 mm = 2(0.50+0.75) | 2.50 | RM   |        |
|        |  |      | Hold fasts 4 Nos 4x0.15                            | 0.60 | RM   |        |
|        |  |      | Weight of angle 3.10 RMx2.60                       | 8.06 | kg   |        |
|        |  |      | Stiffener rod (0.5+0.75)x0.60                      | 1.50 | kg   |        |
|        |  |      |  | 9.56 | kg   |        |
|        |  |      | Area of wire mesh (fly proof mesh)                 |      |      |        |
|        |  |      | 0.48x0.75  | 0.35 | Sq.m |        |
|        |  |      | <b>Main data</b>                                   |      |      |        |
|        | 9.56   | kg   | M.S angle flat etc                                 |      | kg   |        |
|        | 0.35   | Sq.m | Fly proof mesh                                     |      | Sq.m |        |
|        | 0.375  | Sq.m | Red oxide primer                                   |      | Sq.m |        |
|        | 9.56   | kg   | Labour for fabrication of mesh with angle - door   |      | kg   |        |
|        | 0.375  | Sq.m | Labour charges for fixing doors                    |      | Sq.m |        |
|        |  |      | Rate for 0.375 Sq.m                                |      |      |        |
|        |  |      | <b>Sub Total 1 Sq.m (X)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>        |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                             |      |      |        |

| Sl. No | Qty | Description of work  | Rate | Per  | Amount |
|--------|-----|--|------|------|--------|
| 467    |     | Manufacturing, supplying and fixing of cupboard shutter using country wooden (kongu) frame of 100 mm x 32 mm thick for outer frame horizontal and vertical members. The shutter frame of size 75 x 32 mm of country wooden scantling (Horizontal 3 nos., Vertical 2 nos., of each shutter) with 12 mm thick both side prelaminate particle board (exterior grade) shutter. The shutter are fixed to the frame with required 6 nos., of SS hinges of 100 x 30 mm 2 nos., 'D' type aluminium handle 100 mm 2 nos., of aluminium tower bolts 75 x 10 mm 2 nos., of cupboard lock etc., the country wooden frame shall be painted two coats with synthetic enamel paint over one coat of wooden primer. The prelaminate particle board and furniture fittings used should be got approved by the Executive Engineer before use on works. The cost is inclusive of aluminium handle, tower bolts, SS hinges, screws, nails, and required further fittings and painting the frame and inner side of prelaminate shutter etc., complete complying with standard specification and as directed by the departmental officers. |      |      |        |
|        |     | Consider size of 1.20x2.10   | 2.52 | Sq.m |        |
|        |     | Outer Frame  |      |      |        |
|        |     | Vertical 1 x 2 x 2.10 x 0.10 x 0.035   | 0.02 | Cu.m |        |
|        |     | Horizontal 1 x 2 x 1.20 x 0.10 x 0.035   | 0.01 | Cu.m |        |
|        |     |  | 0.02 | Cu.m |        |
|        |     | Shutter frame  |      |      |        |
|        |     | Vertical 2 x 2 x 1.90 x 0.075 x 0.032  | 0.02 | Cu.m |        |
|        |     | Horizontal 2 x 3 x 0.50 x 0.075 x 0.032  | 0.01 | Cu.m |        |
|        |     |  | 0.03 | Cu.m |        |
|        |     | Total  | 0.05 |      |        |
|        |     | Shutter - Prelaminated Board   |      |      |        |
|        |     | 2 x 2 x 0.875 x 0.50   | 1.75 | Sq.m |        |
|        |     | Add 10% wastage  | 0.13 | Sq.m |        |
|        |     |  | 1.88 | Sq.m |        |
|        |     | Shutter area fully glazed with 4mm thick plain glass   |      |      |        |
|        |     | 2 x 2 x 0.863 x 0.375  | 1.29 | Sq.m |        |
|        |     | Add 20% wastage  | 0.26 | Sq.m |        |
|        |     |  | 1.55 | Sq.m |        |
|        |     | Shutter area 1/3rd PLB + 2/3rd glazed at top & bottom with 4mm thick glass   |      |      |        |
|        |     | 1/3rd area = 2 x 0.585 x 0.375   | 0.44 | Sq.m |        |
|        |     | Add 10% wastage  | 0.04 | Sq.m |        |

| Sl. No | Qty  |                       | Description of work  | Rate | Per  | Amount |
|--------|--|-----------------------|--|------|------|--------|
|        |  |                       |  | 0.48 | Sq.m |        |
|        |  |                       | 2/3rd glass 2 x 1.40 x 0.375   | 0.86 | Sq.m |        |
|        |  |                       | Add 20% wastage  | 0.17 | Sq.m |        |
|        |  |                       |  | 1.03 | Sq.m |        |
|        |  |                       | Add 10% wastage  | 0.18 |      |        |
|        |  |                       |  | 1.93 |      |        |
|        |  |                       | <b>Main Data</b>   |      |      |        |
|        | 0.05   | Cu.m                  | C.W. scantling over 2.00 m in length   |      | Cu.m |        |
|        | 0.05   | Cu.m                  | Labour for Wrought & put up  |      | Cu.m |        |
|        | 1.93   | Sq.m                  | MDF 12mm prelaminate both side   |      | Sq.m |        |
|        | 1.75   | Sq.m                  | Labour charges Wrought & put up  |      | Sq.m |        |
|        | 6.00   | Nos                   | Stainless Steel Hinges 100x30mm  |      | Each |        |
|        | 2.00   | Nos                   | Aluminium Handles 100mm  |      | Each |        |
|        | 2.00   | Nos                   | Aluminium Tower bolt 75x10mm   |      | Each |        |
|        | 1.00   | No                    | Cup board lock   |      | Each |        |
|        |  | LS                    | Screws, nails, dismantling and redoing incidental charges and other charges including painting |      | LS   |        |
|        |  |                       | Rate for 2.52 Sq.m   |      |      |        |
|        |  |                       | <b>Sub total for 1 Sq.m (X)</b>  |      |      |        |
|        |  |                       | <b>Add water charges on 1% of Sub Total X</b>  |      |      |        |
|        |  |                       | <b>Rate for 1 Sq.m</b>   |      |      |        |
|        |  |                       |  |      |      |        |
| 468    | Supplying and fixing <b>Teakwood frame</b> with scantling above 2m for doors including labour charges for wrought and putup and fixing holdfast in frame etc., complete complying with standard specification and as directed by the departmental officers |                       |  |      |      |        |
|        |  | T.W.Scantling upto 3m |  |      |      |        |
|        | 1.00   | Cu.m                  | Cost of T.W. Scantlings  |      | Cu.m |        |
|        | 1.00   | Cu.m                  | labour charges for wrought and putup   |      | Cu.m |        |
|        |  |                       | <b>Sub Total for 1 Cu.m (X)</b>  |      |      |        |
|        |  |                       | <b>Add water charges @1% of Sub Total X</b>  |      |      |        |

| Sl. No | Qty  | Description of work   | Rate  | Per  | Amount |
|--------|------|---|---|------|--------|
|        |      | <b>Rate for 1 Cu.m</b>  |   |      |        |
| 469    |      | Supplying and fixing <b>Countrywood frame</b> with scantling above 2m for doors including labour charges for wrought and putup and fixing holdfast in frame etc., complete complying with standard specification and as directed by the departmental officers   |   |      |        |
|        |      | Country wood Scantling upto 4m  |   |      |        |
|        | 1.00 | Cu.m  | Cost of Country wood Scantlings             | Cu.m |        |
|        | 1.00 | Cu.m  | labour charges for wrought and put-up       | Cu.m |        |
|        |      |   | <b>Sub Total for 1 Cu.m (X)</b>             |      |        |
|        |      |   | <b>Add water charges @1% of Sub Total X</b> |      |        |
|        |      |   | <b>Rate for 1 Cu.m</b>                      |      |        |
| 470    |      | Supplying and fixing <b>Teakwood fully panelled (Single Leaf) shutters</b> using Teakwood scantlings of size 100x40mm for styles & rails, 22mm thick planks for panels(5 Nos) and Brass Furniture fittings(3 Nos - Brass Hinges 125x30mm, 2 Nos - Brass Tower bolt 300x12mm, 1 Nos - Brass Tower bolt 200x12mm, 1 Nos - Brass Aldrop 250x16mm, 2 Nos - Brass Handle 200mm) including cost of wind appliances and labour charges for fixing the furniture fittings in position etc., complete complying with standard specification and as directed by the departmental officers |   |      |        |
|        |      | Consider a door size of 0.90m x 2.10m   |   |      |        |
|        |      | Shutter size - 0.80 x 2.045 =   | 1.636                                       | Sq.m |        |
|        |      | T.W. Scantlings above 2m long for styles  |   |      |        |
|        |      | 2 x 2.045 x 0.10 x 0.04   | 0.0164                                      | Cu.m |        |
|        |      | T.W. Scantlings below 2m long for rails :-  |   |      |        |
|        |      | Top rail :- 1 x 0.80 x 0.10 x 0.04  | 0.0032                                      |      |        |
|        |      | Bottom rail :- 1 x 0.80 x 0.10 x 0.04   | 0.0032                                      |      |        |
|        |      | Lock rail :- 1 x 0.80 x 0.10 x 0.04   | 0.0032                                      |      |        |
|        |      | Intermediate rail :- 3 x 0.80 x 0.077 x 0.04  | 0.0074                                      |      |        |
|        |      | Sub Total   | 0.0170                                      | Cu.m |        |
|        |      | <b>Teak wood planks :-</b>  |   |      |        |
|        |      | 4 x 0.624 x 0.329 x 0.022   | 0.01807                                     |      |        |
|        |      | 1 x 0.624 x 0.309 x 0.022   | 0.00424                                     |      |        |

| Sl. No | Qty  |                  | Description of work   | Rate   | Per  | Amount |
|--------|--|------------------|---|--------|------|--------|
|        |  | Sub Total        |   | 0.0223 |      |        |
|        |  | <b>Main Data</b> |   |        |      |        |
|        | 0.0164   | Cu.m             | T.W. Scantlings above 2m long   |        | Cu.m |        |
|        | 0.0170   | Cu.m             | T.W. Scantlings below 2m long   |        | Cu.m |        |
|        | 0.0223   | Cu.m             | T.W. planks 22mm tk below 300mm wide  |        | Cu.m |        |
|        | 1.636  | Sq.m             | Labours wrought and putup for fully panelled doors  |        | Sq.m |        |
|        | 3.00   | Nos              | Brass Hinges 125x30mm   |        | Each |        |
|        | 2.00   | Nos              | Brass Tower bolt 300x12mm   |        | Each |        |
|        | 1.00   | Nos              | Brass Tower bolt 200x12mm   |        | Each |        |
|        | 1.00   | Nos              | Brass Aldrop 250x16mm   |        | Each |        |
|        | 2.00   | No               | Brass Handle 200mm  |        | Each |        |
|        | 1.00   | Nos              | Door Stopper with rubber bush   |        | Each |        |
|        | 1.636  | Sq.m             | Labours charges for fixing door with frame(finished item)                                       |        | Sq.m |        |
|        |  | LS               | Screws, nails, dismantling and re-doing incidental charges and other charges including painting |        | LS   |        |
|        |  |                  | Rate for 1.636 Sq.m   |        |      |        |
|        |  |                  | <b>Sub total for 1 Sq.m (X)</b>   |        |      |        |
|        |  |                  | <b>Add water charges on 1% of Sub Total X</b>   |        |      |        |
|        |  |                  | <b>Rate for 1 Sq.m</b>  |        |      |        |
| 471    | Supplying and fixing <b>Countrywood fully panelled (Single Leaf) shutters</b> using Countrywood scantlings of size 100x40mm for styles & rails, 22mm thick planks for panels(5 Nos) and Brass / SS Furniture fittings(3 Nos - Brass / SS Hinges 125x30mm, 2 Nos - Brass / SS Tower bolt 300x12mm, 1 Nos - Brass/ SS Tower bolt 200x12mm, 1 Nos - Brass / SS Aldrop 250x16mm, 2 Nos - Brass / SS Handle 200mm) including cost of wind appliances and labour charges for fixing the furniture fittings in position etc., complete complying with standard specification and as directed by the departmental officers |                  |   |        |      |        |
|        |  |                  | Consider a door size of 0.90m x 2.10m   |        |      |        |
|        |  |                  | Shutter size - 0.80 x 2.045 =   | 1.636  | Sq.m |        |
|        |  |                  | Countrywood Scantlings for styles   |        |      |        |
|        |  |                  | 2 x 2.045 x 0.10 x 0.04   | 0.0164 | Cu.m |        |
|        |  |                  | Countrywood Scantlings for rails  |        |      |        |

| Sl. No | Qty    |      | Description of work  | Rate    | Per  | Amount |
|--------|--------|------|--|---------|------|--------|
|        |        |      | Top rail :- 1 x 0.80 x 0.10 x 0.04   | 0.0032  |      |        |
|        |        |      | Bottom rail :- 1 x 0.80 x 0.10 x 0.04  | 0.0032  |      |        |
|        |        |      | Lock rail :- 1 x 0.80 x 0.10 x 0.04  | 0.0032  |      |        |
|        |        |      | Intermediate rail :- 3 x 0.80 x 0.077 x 0.04   | 0.00739 |      |        |
|        |        |      | Sub Total  | 0.0334  | Cu.m |        |
|        |        |      | <b>Teak wood planks :-</b>   |         |      |        |
|        |        |      | 4 x 0.624 x 0.329 x 0.022  | 0.01807 |      |        |
|        |        |      | 1 x 0.624 x 0.309 x 0.022  | 0.00424 |      |        |
|        |        |      | Sub Total  | 0.0223  |      |        |
|        |        |      |  |         |      |        |
|        |        |      | <b>MAIN DATA</b>   |         |      |        |
|        | 0.0334 | Cu.m | Countrywood Scantlings upto 4m long  |         | Cu.m |        |
|        | 0.0223 | Cu.m | Countrywood planks 22mm tk below 300mm wide  |         | Cu.m |        |
|        | 1.636  | Sq.m | Labours wrought and putup for fully panelled doors   |         | Sq.m |        |
|        | 3.00   | Nos  | Brass/Stainless steel Hinges 125x30mm  |         | Each |        |
|        | 2.00   | Nos  | Brass/Stainless steel Tower bolt 300x12mm  |         | Each |        |
|        | 1.00   | Nos  | Brass/Stainless steel Tower bolt 200x12mm  |         | Each |        |
|        | 1.00   | Nos  | Brass/Stainless steel Aldrop 250x16mm  |         | Each |        |
|        | 2.00   | No   | Brass/Stainless steel Handle 200mm   |         | Each |        |
|        | 1.00   | Nos  | Door Stopper with rubber bush  |         | Each |        |
|        | 1.636  | Sq.m | Labours charges for fixing door with frame(finished item)                                      |         | Sq.m |        |
|        |        | LS   | Screws, nails, dismantling and redoing incidental charges and other charges including painting |         | LS   |        |
|        |        |      | Rate for 1.636 Sq.m  |         |      |        |
|        |        |      | <b>Sub total for 1 Sq.m (X)</b>  |         |      |        |
|        |        |      | <b>Add water charges on 1% of Sub Total X</b>  |         |      |        |
|        |        |      | <b>Rate for 1 Sq.m</b>   |         |      |        |

## ALUMINIUM WORKS

| Sl. No | Qty | Description of work  | Rate         | Per       | Amount |
|--------|-----|--|--------------|-----------|--------|
| 472    |     | Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish of single leaf door with half panelled with 12mm thick both side laminated particle board at bottom and half glazed using 5.50mm thick Plain glass at top.The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section Vertical & Top rail: 50x44.45x2.50mm @ 1.292 kg/m ,Bottom rail: 100 x44.45 x 2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/m, Alu Clips: 17.15x17.27x1.50mm @ 0.176 kg/m,Alu. Handle: 100x30mm @ 0.988 Kg/m and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - Each., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 1No ., lock-1No., Door stopper with rubber bush including cost of materials labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beams, masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc., complete complying with standard specification and as directed by the deparmental officers. All the Alu. Section are to be anodised with matt finish under electrically controlled conditions in accordance with IS 1868/1962 for an average anatic film thickness of 15 microns etc., complete.Aluminium sections,and furniture fittings shall be got approved by the Executive Engineer incharge. |              |           |        |
|        |     | <b>1/2 panelled&amp;1/2 glazed</b>   |              |           |        |
|        |     | <b>Assume a size of Door : 1.00x2.10mm = 2.10Sq.m</b>  |              |           |        |
|        |     | <b><u>Door outer frame</u></b>   |              |           |        |
|        |     | vertical 1 x 2 x 2.10  | 4.20         |           |        |
|        |     | Horizontal 1 x 1 x 0.91  | 0.91         |           |        |
|        |     | Total  | 5.11         | Rm        |        |
|        |     | 5.1Rm x 2.319 kg/m   | <b>11.85</b> | <b>Kg</b> |        |
|        |     | <b><u>Shutter frame:</u></b>   |              |           |        |
|        |     | vertical 1x2x2.056   | 4.112        | Rm        |        |
|        |     | Top 1x1x0.824  | 0.824        |           |        |
|        |     | Total  | 4.936        |           |        |
|        |     | 4.936 Rm x 1.292 kg/m  | <b>6.38</b>  | <b>Kg</b> |        |
|        |     | Lock rail 1x1x0.824 = 0.824x1.292 kg/m   | <b>1.06</b>  | <b>Kg</b> |        |
|        |     | Bottom rail 1x1x0.824 = 0.824 x 1.974 kg/m   | <b>1.63</b>  | <b>Kg</b> |        |
|        |     | Alu.handle 1x2x0.85 = 1.70x0.988   | <b>1.68</b>  | <b>Kg</b> |        |
|        |     | <b><u>Alu. Clips:</u></b>  |              |           |        |
|        |     | Shutter for bottom panel =2x2x 0.824+0.88)   | 6.82         |           |        |

| Sl. No | Qty   |      | Description of work                                | Rate         | Per         | Amount |
|--------|-------|------|--|--------------|-------------|--------|
|        |       |      | Shutter for top panel =<br>2x2x(0.824+0.98)        | 7.22         |             |        |
|        |       |      | Total  | 14.04        |             |        |
|        |       |      | 14.04 Rm X 0.176 Kg/m                              | <b>2.47</b>  | <b>Kg</b>   |        |
|        |       |      | <b>Total weight of Aluminium</b>                   | <b>25.07</b> | <b>Kg</b>   |        |
|        |       |      | Wastage at 10%                                     | <b>2.51</b>  |             |        |
|        |       |      | Total  | <b>27.58</b> | <b>Kg</b>   |        |
|        |       |      | <b>5.50 mm thick glass.</b>                        |              |             |        |
|        |       |      | Shutter top panel = 1x1x0.824x0.98                 | 0.81         | Sq.m        |        |
|        |       |      | Wastage at 20%                                     | 0.16         |             |        |
|        |       |      | Total  | <b>0.97</b>  | <b>Sq.m</b> |        |
|        |       |      | 12mm thick prelaminate both side<br>particle board |              |             |        |
|        |       |      | Bottom panel = 1x1x0.824x0.88                      | 0.73         | Sq.m        |        |
|        |       |      | Wastage at 10%                                     | 0.07         |             |        |
|        |       |      | Total  | <b>0.80</b>  | <b>Sq.m</b> |        |
|        |       |      | PVC felt: 1x2x2.056                                | 4.11         | Rm          |        |
|        |       |      | Rubber beading:1x2(0.824+0.98)                     | 3.61         | Rm          |        |
|        |       |      | <b><u>Main Data</u></b>                            |              |             |        |
|        | 27.58 | Kgs  | Aluminium Section including anodizing<br>Charges   |              | Kgs         |        |
|        | 0.97  | Sq.m | 5.50 mm thick glass.                               |              | Sq.m        |        |
|        | 0.80  | Sq.m | 12mm thick PLB                                     |              | Sq.m        |        |
|        | 4.11  | Rm   | PVC felt   |              | Rm          |        |
|        | 3.61  | Rm   | Rubber beading                                     |              | Rm          |        |
|        | 1.00  | Set  | Pivot  |              | Set         |        |
|        | 1.00  | No   | Hydraulic Door closer                              |              | Each        |        |
|        | 1.00  | No   | Lock for Aluminium Door                            |              | Each        |        |
|        | 1.00  | No   | Door stopper                                       |              | Each        |        |
|        | 1.00  | No   | Alu. Tower bolt 250x12mm                           |              | Each        |        |
|        | 1.00  | No   | Alu. Tower bolt 200x12mm                           |              | Each        |        |

| Sl. No | Qty  |      | Description of work                                     | Rate | Per  | Amount |
|--------|--|------|---|------|------|--------|
|        | 2.10   | Sq.m | Labour charges for fixing Aluminium Door                |      | Sq.m |        |
|        |  | LS   | For angles, screw, power supply, dismantling & redoing. |      | LS   |        |
|        |  |      | Rate for 2.10 Sq.m (X)                                  |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X1)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X1</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| a)     | <b><u>Without Automatic Door closure and Pivot but with hinges</u></b> |      |   |      |      |        |
|        |  |      | Rate for 2.10 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Door closure                                 |      |      |        |
|        |  |      | Deduct for Pivot  |      |      |        |
|        |  |      | Add for hinges 100x30mm (3Nos)                          |      |      |        |
|        |  |      | Rate for 2.10 Sq.m                                      |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X2)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X2</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| b)     | <b><u>With Automatic Door closure and Hinges</u></b>                   |      |   |      |      |        |
|        |  |      | Rate for 2.10 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Pivot  |      |      |        |
|        |  |      | Add for hinges 100x30mm (3Nos)                          |      |      |        |
|        |  |      | Rate for 2.10 Sq.m                                      |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X3)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X3</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| c)     | <b><u>With Floor spring and Hinges</u></b>                             |      |   |      |      |        |
|        |  |      | Rate for 2.10 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Pivot  |      |      |        |
|        |  |      | Deduct for Doorclosure                                  |      |      |        |

| Sl. No | Qty | Description of work   | Rate  | Per | Amount |
|--------|-----|---|-------|-----|--------|
|        |     | Add for hinges 100x30mm (3Nos)  |       |     |        |
|        |     | Add for Floor spring 1Nos   |       |     |        |
|        |     | Rate for 2.10 Sq.m  |       |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X4)</b>  |       |     |        |
|        |     | <b>Add water charges @1% of Sub Total X4</b>  |       |     |        |
|        |     | <b>Rate for 1 Sq.m</b>  |       |     |        |
|        |     |   |       |     |        |
| 473    |     | Supplying, fabricating and fixing in position of Aluminium anodised natural colour matt finish of <b>double leaves door with half panelled with 12mm thick bothside prelamated partile board at bottom and half glazed using 5.50mm thick Plain glass at top.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section-Vertical &Top rail: 50x44.45x2.50mm @ 1.292 kg/m and Bottom rail : 100 x 44.45 x 2.50mm @ 1.974 kg /m , Lock rail : 50x44.45x2.5mm @ 1.292 kg/m,Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m Alu. Handle: 100x30mm @ 0.988 kg/m and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 Nos., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 2Nos ., lock-1No., Door stopper with rubber bush including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition afterfixing etc. complete complying with standard specification and as directed by the deparmental officers.. All the Alu. sections are to be anodised with matt finish under electically contolled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete.Aluminium sections,and furniture fittings shall be got approved by the Executive Engineer incharge. |       |     |        |
|        |     | <b>1/2 panelled&amp;1/2 glazed</b>  |       |     |        |
|        |     | Assume a size of Door : 1200x2100mm   |       |     |        |
|        |     | Door outer frame  |       |     |        |
|        |     | Vertical 1 x 2 x 2.10   | 4.20  |     |        |
|        |     | Horizontal 1 x 1 x 1.11   | 1.11  |     |        |
|        |     | Total   | 5.31  | Rm  |        |
|        |     | 5.31 x 2.319 Kg/m   | 12.31 | Kg  |        |
|        |     | <b>Shutter Frame</b> vertical 2x2x2.056   | 8.22  |     |        |
|        |     | Horizontal top 1x2x0.467  | 0.93  |     |        |
|        |     | Total   | 9.15  | Rm  |        |
|        |     | 9.15x1.292 g/m  | 11.82 | Kg  |        |

| Sl. No | Qty   |      | Description of work                                    | Rate  | Per  | Amount |
|--------|-------|------|--|-------|------|--------|
|        |       |      | Lock rail 1x2x0.47 = 0.94 x 1.292 Kg/m                 | 1.21  | Kg   |        |
|        |       |      | Bottom rail 1x2x0.47 =0.94 x 1.974 g/m                 | 1.86  | Kg   |        |
|        |       |      | Alu.handle 2x2x0.505= 2.02 x0.988 Kg/m                 | 2.00  | Kg   |        |
|        |       |      | Alu. Clips:Shutter for bottom panel = 2x2x2(0.47+0.88) | 10.80 | Rm   |        |
|        |       |      | Alu. Clips:Shutter for top panel = 2x2x2(0.47+0.88)    | 11.60 | Rm   |        |
|        |       |      | Total  | 22.40 | Rm   |        |
|        |       |      | 22.40 Rm x 0.176 Kg/m                                  | 3.94  | Kg   |        |
|        |       |      |  | 33.14 |      |        |
|        |       |      | Wastage at 10%   | 3.23  |      |        |
|        |       |      | Total  | 36.37 | Kg   |        |
|        |       |      | 5.50 mm thick glass.                                   |       |      |        |
|        |       |      | Shutter top panel = 1x2x0.47x0.98                      | 0.92  | Sq.m |        |
|        |       |      | Glass5.50 mm thick                                     | 0.18  |      |        |
|        |       |      | Total  | 1.10  | Sq.m |        |
|        |       |      | 12mm thick prelamated both side particle board         |       |      |        |
|        |       |      | Bottom panel = 1x2x0.47x0.88                           | 0.83  | Sq.m |        |
|        |       |      | Wastage at 10%   | 0.08  |      |        |
|        |       |      | Total  | 0.91  | Sq.m |        |
|        |       |      | PVC felt: 2x2x2.056                                    | 8.22  | Rm   |        |
|        |       |      | Rubber beading: 2x2(0.47+0.98)                         | 5.80  | Rm   |        |
|        |       |      | <b>Main Data</b>                                       |       |      |        |
|        | 36.37 | Kgs  | Aluminium Section including anodizing Charges          |       | kgs  |        |
|        | 1.10  | Sq.m | Glass5.50 mm thick                                     |       | Sq.m |        |
|        | 0.91  | Sq.m | 12mm thick PLB   |       | Sq.m |        |
|        | 8.22  | Rm   | PVC felt   |       | Rm   |        |
|        | 5.80  | Rm   | Rubber beading   |       | Rm   |        |
|        | 2.00  | Sets | Pivot  |       | Set  |        |
|        | 2.00  | Nos  | Hydraulic Door closer                                  |       | Each |        |

| Sl. No | Qty  |      | Description of work                                     | Rate | Per  | Amount |
|--------|--|------|---|------|------|--------|
|        | 1.00   | No   | Lock for Aluminium Door                                 |      | Each |        |
|        | 2.00   | Nos  | Door stopper  |      | Each |        |
|        | 2.00   | Nos  | Alu. Tower bolt 250x12mm                                |      | Each |        |
|        | 1.00   | No   | Alu. Tower bolt 200x12mm                                |      | Each |        |
|        | 2.52   | Sq.m | Labour charges for fixing Aluminium Door                |      | Sq.m |        |
|        |  | LS   | For angles, screw, power supply, dismantling & redoing. |      | LS   |        |
|        |  |      | Rate for 2.52 Sq.m (X)                                  |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X1)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X1</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| a      | <b><u>Without Door closure and pivot but with hinges</u></b> |      |   |      |      |        |
|        |  |      | Rate for 2.52 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Doorclosure                                  |      |      |        |
|        |  |      | Deduct for Pivot  |      |      |        |
|        |  |      | Add for hinges 100x30mm (6Nos)                          |      |      |        |
|        |  |      | Rate for 2.52 Sq.m                                      |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X2)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X2</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| b      | <b><u>With Automatic Door closure and Hinges</u></b>         |      |   |      |      |        |
|        |  |      | Rate for 2.52 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Pivot  |      |      |        |
|        |  |      | Add for hinges 100x30mm (6Nos)                          |      |      |        |
|        |  |      | Rate for 2.52 Sq.m                                      |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X3)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X3</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| c      | <b><u>With Floor spring and Hinges</u></b>                   |      |   |      |      |        |

| Sl. No | Qty | Description of work   | Rate         | Per       | Amount |
|--------|-----|---|--------------|-----------|--------|
|        |     | Rate for 2.52 Sq.m as above (X) without water charges   |              |           |        |
|        |     | Deduct for Pivot  |              |           |        |
|        |     | Deduct for Doorclosure  |              |           |        |
|        |     | Add for hinges 100x30mm (6Nos)  |              |           |        |
|        |     | Add for Floor spring 2Nos   |              |           |        |
|        |     | Rate for 2.52 Sq.m  |              |           |        |
|        |     | <b>Sub Total for 1 Sq.m (X4)</b>  |              |           |        |
|        |     | <b>Add water charges @1% of Sub Total X4</b>  |              |           |        |
|        |     | <b>Rate for 1 Sq.m</b>  |              |           |        |
| 474    |     | Fabricating Supplying and fixing in position of Aluminium anodised Powder Coated of single leaf door with half panelled with 12mm thick both side laminated particle board at bottom and half glazed using 5.50mm thick Plain glass at top.The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m and Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/m,Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m,Alu. Handle: 100x30mm @ 0.988 kg/m and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - Eachs., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 1No ., lock-1No., Door stopper with rubber bush including cost of materials labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beams, masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc., complete complying with standard specification and as directed by the departmental officers.. All the Alu. Section are to be anodised with matt finish under electrically controlled conditions in accordance with IS 1868/1962 for an average anatic film thickness of 15 microns etc., complete. Aluminium sections,and furniture fittings shall be got approved by the Executive Engineer incharge. |              |           |        |
|        |     | <b>1/2 panelled&amp;1/2 glazed Powder coated</b>  |              |           |        |
|        |     | <b>Assume a size of Door : 1.00x2.10mm = 2.10Sq.m</b>   |              |           |        |
|        |     | <b>Door outer frame</b>   |              |           |        |
|        |     | vertical 1 x 2 x 2.10   | 4.20         |           |        |
|        |     | Horizontal 1 x 1 x 0.91   | 0.91         |           |        |
|        |     | Total   | 5.11         | Rm        |        |
|        |     | 5.1Rm x 2.319 kg/m  | <b>11.85</b> | <b>Kg</b> |        |
|        |     | <b>Shutter frame:</b>   |              |           |        |
|        |     | vertical 1x2x2.056  | 4.112        | Rm        |        |

| Sl. No | Qty   |      | Description of work                                    | Rate         | Per         | Amount |
|--------|-------|------|--|--------------|-------------|--------|
|        |       |      | Top 1x1x0.824  | 0.824        |             |        |
|        |       |      | Total  | 4.936        |             |        |
|        |       |      | 4.936 Rm x 1.292 kg/m                                  | <b>6.38</b>  | <b>Kg</b>   |        |
|        |       |      | Lock rail 1x1x0.824 = 0.824x1.292 kg/m                 | <b>1.06</b>  | <b>Kg</b>   |        |
|        |       |      | Bottom rail 1x1x0.824 = 0.824 x 1.974 kg/m             | <b>1.63</b>  | <b>Kg</b>   |        |
|        |       |      | Alu.handle 1x2x0.85 = 1.70x0.988                       | <b>1.68</b>  | <b>Kg</b>   |        |
|        |       |      | <b>Alu. Clips:</b>                                     |              |             |        |
|        |       |      | Shutter for bottom panel = 2x2x(0.824+0.88)            | 6.82         |             |        |
|        |       |      | Shutter for top panel = 2x2x(0.824+0.98)               | 7.22         |             |        |
|        |       |      | Total  | 14.04        |             |        |
|        |       |      | 14.04 Rm X 0.176 Kg/m                                  | <b>2.47</b>  | <b>Kg</b>   |        |
|        |       |      | <b>Total weight of Aluminium</b>                       | <b>25.07</b> | <b>Kg</b>   |        |
|        |       |      | Wastage at 10%   | <b>2.51</b>  |             |        |
|        |       |      | Total  | <b>27.58</b> | <b>Kg</b>   |        |
|        |       |      | <b>5.50 mm thick glass.</b>                            |              |             |        |
|        |       |      | Shutter top panel = 1x1x0.824x0.98                     | 0.81         | Sq.m        |        |
|        |       |      | Wastage at 20%   | 0.16         |             |        |
|        |       |      | Total  | <b>0.97</b>  | <b>Sq.m</b> |        |
|        |       |      | 12mm thick prelaminated both side particle board       |              |             |        |
|        |       |      | Bottom panel = 1x1x0.824x0.88                          | 0.73         | Sq.m        |        |
|        |       |      | Wastage at 10%   | 0.07         |             |        |
|        |       |      | Total  | <b>0.80</b>  | <b>Sq.m</b> |        |
|        |       |      | PVC felt: 1x2x2.056                                    | 4.11         | Rm          |        |
|        |       |      | Rubber beading: 1x2(0.824+0.98)                        | 3.61         | Rm          |        |
|        |       |      | <b><u>Main Data</u></b>                                |              |             |        |
|        | 27.58 | Kgs  | Alu. Powder coated Section including anodising charges |              | kgs         |        |
|        | 0.97  | Sq.m | 5.50 mm thick glass.                                   |              | Sq.m        |        |
|        | 0.80  | Sq.m | 12mm thick PLB   |              | Sq.m        |        |

| Sl. No | Qty  |      | Description of work                                     | Rate | Per  | Amount |
|--------|--|------|---|------|------|--------|
|        | 4.11   | Rm   | PVC felt  |      | Rm   |        |
|        | 3.61   | Rm   | Rubber beading  |      | Rm   |        |
|        | 1.00   | Set  | Pivot   |      | Set  |        |
|        | 1.00   | No   | Hydraulic pressed Automatic Door closer                 |      | Each |        |
|        | 1.00   | No   | Lock for Aluminium Door                                 |      | Each |        |
|        | 1.00   | No   | Door stopper  |      | Each |        |
|        | 1.00   | No   | Alu. Tower bolt 250x12mm                                |      | Each |        |
|        | 1.00   | No   | Alu. Tower bolt 200x12mm                                |      | Each |        |
|        | 2.10   | Sq.m | Labour charges for fixing Aluminium Door                |      | Sq.m |        |
|        |  | LS   | For angles, screw, power supply, dismantling & dadoing. |      | LS   |        |
|        |  |      | Rate for 2.10 Sq.m (X)                                  |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X1)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X1</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| a      | <b><u>Without Automatic Door closure and Pivot but with hinges</u></b> |      |   |      |      |        |
|        |  |      | Rate for 2.10 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Door closure                                 |      |      |        |
|        |  |      | Deduct for Pivot  |      |      |        |
|        |  |      | Add for hinges 100x30mm (3Nos)                          |      |      |        |
|        |  |      | Rate for 2.10 Sq.m                                      |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X1)</b>                        |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X2</b>            |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |      |      |        |
| b      | <b><u>With Automatic Door closure and Hinges</u></b>                   |      |   |      |      |        |
|        |  |      | Rate for 2.10 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Pivot  |      |      |        |
|        |  |      | Add for hinges 100x30mm (3Nos)                          |      |      |        |
|        |  |      | Rate for 2.10 Sq.m                                      |      |      |        |

| Sl. No | Qty | Description of work  | Rate | Per | Amount |
|--------|-----|--|------|-----|--------|
|        |     | <b>Sub Total for 1 Sq.m (X3)</b>   |      |     |        |
|        |     | <b>Add water charges @1% of Sub Total X3</b>   |      |     |        |
|        |     | <b>Rate for 1 Sq.m</b>   |      |     |        |
|        | c   | <b><u>With Floor spring and Hinges</u></b>   |      |     |        |
|        |     | Rate for 2.10 Sq.m as above (X) without water charges  |      |     |        |
|        |     | Deduct for Pivot   |      |     |        |
|        |     | Deduct for Door closure  |      |     |        |
|        |     | Add for hinges 100x30mm (3Nos)   |      |     |        |
|        |     | Add for Floor spring 1Nos  |      |     |        |
|        |     | Rate for 2.10 Sq.m   |      |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X4)</b>   |      |     |        |
|        |     | <b>Add water charges @1% of Sub Total X4</b>   |      |     |        |
|        |     | <b>Rate for 1 Sq.m</b>   |      |     |        |
| 475    |     | Supplying, fabricating and fixing in position of Aluminium anodised <b>Powder Coated</b> of <b>double leaves door with half panelled with 12mm thick bothside prelaminate partile board at bottom and half glazed using 5.50mm thick Plain glass at top.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m Bottom rail: 100x44.45x2.50mm@ 1.974 kg/mLocal rail : 50x44.45x2.5mm @ 1.292 kg/mAlu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/mAlu. Handle: 100x30mm @ 0.988 kg/m the and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 Nos., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 2Nos ., lock-1No., Door stopper with rubber bush including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the deparmental officers...All the Alu. Section are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. Aluminium sections,and furniture fittings shall be got approved by the Executive Engineer incharge. |      |     |        |
|        |     | <b>1/2 panelled&amp;1/2 glazed Powder coated</b>   |      |     |        |
|        |     | <b>Assume a size of Door : 1200x2100mm</b>   |      |     |        |
|        |     | Door outer frame   |      |     |        |
|        |     | Vertical 1 x 2 x 2.10  | 4.20 |     |        |

| Sl. No | Qty | Description of work                                    | Rate  | Per  | Amount |
|--------|-----|--|-------|------|--------|
|        |     | Horizontal 1 x 1 x 1.11                                | 1.11  |      |        |
|        |     | Total  | 5.31  | Rm   |        |
|        |     | 5.31 x 2.319 Kg/m                                      | 12.31 | Kg   |        |
|        |     | <b>Shutter Frame</b><br>vertical 2x2x2.056             | 8.22  |      |        |
|        |     | Horizontal top 1x2x0.467                               | 0.93  |      |        |
|        |     | Total  | 9.15  | Rm   |        |
|        |     | 9.15x1.292 g/m   | 11.82 | Kg   |        |
|        |     | Lock rail 1x2x0.47 = 0.94 x 1.292 Kg/m                 | 1.21  | Kg   |        |
|        |     | Bottom rail 1x2x0.47 =0.94 x 1.974 g/m                 | 1.86  | Kg   |        |
|        |     | Alu.handle 2x2x0.505= 2.02 x0.988 Kg/m                 | 2.00  | Kg   |        |
|        |     | Alu. Clips:Shutter for bottom panel = 2x2x2(0.47+0.88) | 10.80 | Rm   |        |
|        |     | Alu. Clips:Shutter for top panel = 2x2x2(0.47+0.88)    | 11.60 | Rm   |        |
|        |     | Total  | 22.40 | Rm   |        |
|        |     | 22.40 Rm x 0.176 Kg/m                                  | 3.94  | Kg   |        |
|        |     |  | 33.14 |      |        |
|        |     | Wastage at 10%   | 3.31  |      |        |
|        |     | Total  | 36.46 | Kg   |        |
|        |     | 5.50 mm thick glass.                                   |       |      |        |
|        |     | Shutter top panel = 1x2x0.47x0.98                      | 0.92  | Sq.m |        |
|        |     | Wastage at 20%   | 0.18  |      |        |
|        |     | Total  | 1.10  | Sq.m |        |
|        |     | 12mm thick prelaminated both side particle board       |       |      |        |
|        |     | Bottom panel = 1x2x0.47x0.88                           | 0.83  | Sq.m |        |
|        |     | Wastage at 10%   | 0.08  |      |        |
|        |     | Total  | 0.91  | Sq.m |        |
|        |     | PVC felt: 2x2x2.056                                    | 8.22  | Rm   |        |
|        |     | Rubber beading: 2x2(0.47+0.98)                         | 5.80  | Rm   |        |
|        |     | <b>Main Data</b>                                       |       |      |        |

| Sl. No | Qty  |      | Description of work                                      | Rate | Per  | Amount |
|--------|--|------|--|------|------|--------|
|        | 36.46  | Kgs  | Alu. Powder coated Section including anodising charges   |      | Kgs  |        |
|        | 1.10   | Sq.m | Glass 5.50 mm thick                                      |      | Sq.m |        |
|        | 0.91   | Sq.m | 12mm thick PLB   |      | Sq.m |        |
|        | 8.22   | Rm   | PVC felt   |      | Rm   |        |
|        | 5.80   | Rm   | Rubber beading   |      | Rm   |        |
|        | 2.00   | Sets | Pivot  |      | Set  |        |
|        | 2.00   | No   | Hydraulic pressed Automatic Door closer                  |      | Each |        |
|        | 1.00   | No   | Lock for Aluminium Door                                  |      | Each |        |
|        | 2.00   | No   | Door stopper   |      | Each |        |
|        | 2.00   | No   | Alu. Tower bolt 250x12mm                                 |      | Each |        |
|        | 1.00   | No   | Alu. Tower bolt 200x12mm                                 |      | Each |        |
|        | 2.52   | Sq.m | Labour charges for fixing Aluminium Door                 |      | Sq.m |        |
|        |  |      | For angles, screw, power supply, dismantling & daddoing. |      | LS   |        |
|        |  |      | Rate for 2.52 Sq.m (X)                                   |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X1)</b>                         |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X1</b>             |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                   |      |      |        |
| a      | <b><u>Without Door closure and pivot but with hinges</u></b> |      |  |      |      |        |
|        |  |      | Rate for 2.52 Sq.m as above (X) without water charges    |      |      |        |
|        |  |      | Deduct for Door closure                                  |      |      |        |
|        |  |      | Deduct for Pivot   |      |      |        |
|        |  |      | Add for hinges 100x30mm (6Nos)                           |      |      |        |
|        |  |      | Rate for 2.52 Sq.m                                       |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X2)</b>                         |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X2</b>             |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                   |      |      |        |
| b      | <b><u>With Automatic Door closure and Hinges</u></b>         |      |  |      |      |        |
|        |  |      | Rate for 2.52 Sq.m as above (X) without water charges    |      |      |        |

| Sl. No | Qty | Description of work   | Rate | Per | Amount |
|--------|-----|---|------|-----|--------|
|        |     | Deduct for Pivot  |      |     |        |
|        |     | Add for hinges 100x30mm (6Nos)  |      |     |        |
|        |     | Rate for 2.52 Sq.m  |      |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X3)</b>  |      |     |        |
|        |     | <b>Add water charges @1% of Sub Total X3</b>  |      |     |        |
|        |     | <b>Rate for 1 Sq.m</b>  |      |     |        |
| c      |     | <b><u>With Floor spring and Hinges</u></b>  |      |     |        |
|        |     | Rate for 2.52 Sq.m as above (X) without water charges   |      |     |        |
|        |     | Deduct for Pivot  |      |     |        |
|        |     | Deduct for Door closure   |      |     |        |
|        |     | Add for hinges 100x30mm (6Nos)  |      |     |        |
|        |     | Add for Floor spring 2Nos   |      |     |        |
|        |     | Rate for 2.52 Sq.m  |      |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X4)</b>  |      |     |        |
|        |     | <b>Add water charges @1% of Sub Total X4</b>  |      |     |        |
|        |     | <b>Rate for 1 Sq.m</b>  |      |     |        |
| 476    |     | Fabricating Spplying and fixing in position of aluminium anodised natural colour matt finish <b>Double leaf shutter with half panelled, 12mm thick bothside prelamined partile board at bottom and half glazed using 5.50mm thick Plain glass at top.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319 kg/m and Shutter frame made of section bottom rail 100x44.45x2.50mm @ 1.974 kg/m,Top&Vertical rail : 50x44.45x2.50mm @ 1.292kg/m,Lock rail: 50x44.45x2.50mm @ 1.292kg/m, Alu.clips:17.15x17.27x1.50mm @ 0.176kg/m, Aluminium Handle : 100x30mm @ 0.988kg/m and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 Nos., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 2Nos ., lock-1No., Door stopper with rubber bush as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers...Alu. Section are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete.Aluminium sections,and furniture fittings shall be got approved by the Executive Engineer incharge. |      |     |        |
|        |     | <b>1/2 panelled&amp;1/2 glazed</b>  |      |     |        |
|        |     | <b>Aluminium door of size 1.50mx2.10m</b>   |      |     |        |

| Sl. No | Qty | Description of work                         | Rate         | Per         | Amount |
|--------|-----|---|--------------|-------------|--------|
|        |     | <b><u>Outer frame :</u></b>                 |              |             |        |
|        |     | Horizontal 1x1.411                          | 1.41         | <b>m</b>    |        |
|        |     | Vertical =2x2.10                            | 4.20         | <b>m</b>    |        |
|        |     | Total                                       | <b>5.61</b>  |             |        |
|        |     | <b>Weight 5.61 x 2.319 Kg/m</b>             | <b>13.01</b> | <b>Kg</b>   |        |
|        |     | <b><u>Shutter frame</u></b>                 |              |             |        |
|        |     | Vertical 2x2x2.056x1.292 Kg/m               | <b>10.63</b> | Kg          |        |
|        |     | Top rail 1x2x0.606x1.292 Kg/m               | <b>1.57</b>  | Kg          |        |
|        |     | Lock rail 1x2x0.606x1.292 Kg/m              | <b>1.57</b>  | Kg          |        |
|        |     | Bottom rail 1x2x0.606x1.974 Kg/m            | <b>2.39</b>  | Kg          |        |
|        |     | <b>Handle 2x2x0.645x0.988</b>               | <b>2.55</b>  | Kg          |        |
|        |     | <b>Aluminium clips</b>                      |              |             |        |
|        |     | Shutter panel section<br>2x2x2x(0.606+0.88) | 11.89        |             |        |
|        |     | Glass portion 2x2x2x(0.606+0.98)            | 12.69        |             |        |
|        |     | Total                                       | <b>24.58</b> | <b>Rm</b>   |        |
|        |     | Weight 24.58 x 0.176 Kg/m                   | <b>4.33</b>  | <b>Kg</b>   |        |
|        |     | Total weight of aluminium shutter           | <b>36.03</b> | <b>Kg</b>   |        |
|        |     | Add 10% wastage                             | 3.60         |             |        |
|        |     |   | <b>39.64</b> | <b>Kg</b>   |        |
|        |     | PLD Board 12mm thick                        |              |             |        |
|        |     | Bottom 2x0.606x0.88                         | 1.07         |             |        |
|        |     | Add 10% wastage                             | 0.11         |             |        |
|        |     |   | <b>1.18</b>  | <b>Sq.m</b> |        |
|        |     | Glass 5.50mm thick plain                    |              |             |        |
|        |     | Shutter Top 2x0.606x0.98                    | 1.19         |             |        |
|        |     | Add 20% wastage                             | 0.24         |             |        |
|        |     |   | <b>1.43</b>  | <b>Sq.m</b> |        |

| Sl. No | Qty  |      | Description of work   | Rate | Per  | Amount |
|--------|--|------|---|------|------|--------|
|        |  |      | Rubber beading ShutterTop 2 x2x(0.606+0.98)   | 6.34 | Rm   |        |
|        |  |      | PVC felt : Shutter both side 2x2x2.056  | 8.22 | Rm   |        |
|        |  |      | <b>MAIN DATA</b>  |      |      |        |
|        | 39.64                                      | Kg   | Aluminium Section including anodizing Charges   |      | Kg   |        |
|        | 1.18                                       | Sq.m | Prelaminated MDF board 12mm tk  |      | Sq.m |        |
|        | 1.43                                       | Sq.m | Glass 5.50mm thick plain  |      | Sq.m |        |
|        | 6.34                                       | Rm   | Rubber beading  |      | Rm   |        |
|        | 8.22                                       | Rm   | PVC Felt 6mm thick  |      | Rm   |        |
|        | 3.15                                       | Sq.m | Labour Charges fixing Aluminium door  |      | Sq.m |        |
|        | 1.00                                       | No   | Lock for Aluminium door   |      | Sq.m |        |
|        | 2.00                                       | Nos  | Alu. Tower Bolt 250mmx12mm  |      | Each |        |
|        | 1.00                                       | No   | Alu. Tower Bolt 200mmx12mm  |      | Each |        |
|        | 2.00                                       | Nos  | Alu. Door stopper   |      | Each |        |
|        | 2.00                                       | Nos  | Hydraulic Door closer   |      | Each |        |
|        | 6.00                                       | Nos  | Alu. Hinges 100x30mm  |      | Each |        |
|        |  | LS   | Sundries for T.W.plugs screws dismantling redoing to good condition including Power supply etc. |      | LS   |        |
|        |  |      | <b>Rate for 3.15 Sq.m (X)</b>   |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X1)</b>  |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X1</b>  |      |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| a      | <b><u>With Floor spring and Hinges</u></b> |      |   |      |      |        |
|        |  |      | Rate for 3.15 Sq.m as above (X) without water charges   |      |      |        |
|        |  |      | Deduct for Door closure   |      |      |        |
|        |  |      | Add for Floor spring 2Nos   |      |      |        |
|        |  |      | Rate for 3.15 Sq.m  |      |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X2)</b>  |      |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X2</b>  |      |      |        |

| Sl. No | Qty | Description of work   | Rate         | Per       | Amount |
|--------|-----|---|--------------|-----------|--------|
|        |     | <b>Rate for 1 Sq.m</b>  |              |           |        |
| 477    |     | Fabricating Spplying and fixing in position of aluminium anodised <b>Powder Coated Double leaf door with half panelled , 12mm thick bothside prelaminated partile board at bottom and half glazed using 5.50mm thick Plain glass at top</b> .The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and with Shutter section bottom rail 100x44.45x2.50mm @ 1.974 kg/m,Top&Vertical rail : 50x44.45x2.50mm @ 1.292kg/m,Lock rail: 50x44.45x2.50mm @ 1.292kg/m, Alu. clips:17.15x17.27x1.50mm @ 0.176kg/m,Aluminium Handle : 100x30mm @ 0.988kg/m the following shutter frames and necessary accessories such as aluminium clips, rubber beading PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 Nos., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 2Nos ., lock-1No., Door stopper with rubber bush as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever neccessary and redoing the damaged portion to the original condition after fixing etc complete complying with standard specification and as directed by the deparmental officers...Alu. Section are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete.Aluminium sections,and furniture fittings shall be got approved by the Executive Engineer incharge. |              |           |        |
|        |     | <b>1/2 panelled&amp;1/2 glazed Powder coated</b>  |              |           |        |
|        |     | <b>Aluminium door of size 1.50mx2.10m</b>   |              |           |        |
|        |     | <b>Outer frame :</b>  |              |           |        |
|        |     | Horizontal 1x1.411  | 1.41         | <b>m</b>  |        |
|        |     | Vertical =2x2.10  | 4.20         | <b>m</b>  |        |
|        |     | Total   | <b>5.61</b>  |           |        |
|        |     | <b>Weight 5.61 x 2.319 Kg/m</b>   | <b>13.01</b> | <b>Kg</b> |        |
|        |     | <b>Shutter frame</b>  |              |           |        |
|        |     | Vertical 2x2x2.056x1.292 Kg/m   | <b>10.63</b> | Kg        |        |
|        |     | Top rail 1x2x0.606x1.292 Kg/m   | <b>1.57</b>  | Kg        |        |
|        |     | Lock rail 1x2x0.606x1.292 Kg/m  | <b>1.57</b>  | Kg        |        |
|        |     | Bottom rail 1x2x0.606x1.974 Kg/m  | <b>2.39</b>  | Kg        |        |
|        |     | <b>Handle 2x2x0.645x0.988</b>   | <b>2.55</b>  | Kg        |        |
|        |     | <b>Aluminium clips</b>  |              |           |        |
|        |     | Shutter panel section<br>2x2x2x(0.606+0.88)   | 11.89        |           |        |
|        |     | Glass portion 2x2x2x(0.606+0.98)  | 12.69        |           |        |
|        |     | Total   | <b>24.58</b> | <b>Rm</b> |        |

| Sl. No | Qty   |      | Description of work                  | Rate         | Per         | Amount |
|--------|-------|------|--------------------------------------|--------------|-------------|--------|
|        |       |      | Weight 24.58 x 0.176 Kg/m            | <b>4.33</b>  | <b>Kg</b>   |        |
|        |       |      | Total weight of aluminium shutter    | <b>36.03</b> | <b>Kg</b>   |        |
|        |       |      | Add 10% wastage                      | 3.60         |             |        |
|        |       |      |                                      | <b>39.64</b> | <b>Kg</b>   |        |
|        |       |      | PLMDF Board 12mm thick               |              |             |        |
|        |       |      | Bottom 2x0.606x0.88                  | 1.07         |             |        |
|        |       |      | Add 10% wastage                      | 0.11         |             |        |
|        |       |      |                                      | <b>1.18</b>  | <b>Sq.m</b> |        |
|        |       |      | Glass 5.50mm thick plain             |              |             |        |
|        |       |      | Shutter Top 2x0.606x0.98             | 1.19         |             |        |
|        |       |      | Add 20% wastage                      | 0.24         |             |        |
|        |       |      |                                      | <b>1.43</b>  | <b>Sq.m</b> |        |
|        |       |      | Rubber beading                       |              |             |        |
|        |       |      | Shutter Top 2x2x(0.606+0.98)         | 6.34         |             |        |
|        |       |      |                                      | <b>6.34</b>  | <b>Rm</b>   |        |
|        |       |      | PVC felt                             |              |             |        |
|        |       |      | Shutter both side 2x2x2.056          | <b>8.22</b>  | <b>Rm</b>   |        |
|        |       |      | <b>MAIN DATA</b>                     |              |             |        |
|        | 39.64 | Kg   | Aluminium Section powder coated      |              | Kg          |        |
|        | 1.18  | Sq.m | Prelaminated MDF board 12mm tk       |              | Sq.m        |        |
|        | 1.43  | Sq.m | Glass 5.50mm thick plain             |              | Sq.m        |        |
|        | 6.34  | Rm   | Rubber beading                       |              | Rm          |        |
|        | 8.22  | Rm   | PVC Felt 6mm thick                   |              | Rm          |        |
|        | 3.15  | Sq.m | Labour Charges fixing Aluminium door |              | Sq.m        |        |
|        | 1.00  | No   | Lock for Aluminium door              |              | Sq.m        |        |
|        | 2.00  | No   | Alu. Tower Bolt 250mmx12mm           |              | Each        |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm           |              | Each        |        |
|        | 2.00  | No   | Alu. Door stopper                    |              | Each        |        |
|        | 2.00  | No   | Hydraulic Door closer                |              | Each        |        |

| Sl. No | Qty  |    | Description of work   | Rate | Per  | Amount |
|--------|--|----|---|------|------|--------|
|        | 6.00   | No | Alu. Hinges 100x30mm  |      | Each |        |
|        |  | LS | Sundries for T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |      | LS   |        |
|        |  |    | Rate for 3.15 Sq.m (X)  |      |      |        |
|        |  |    | <b>Sub Total for 1 Sq.m (X1)</b>  |      |      |        |
|        |  |    | <b>Add water charges @1% of Sub Total X1</b>  |      |      |        |
|        |  |    | <b>Rate for 1 Sq.m</b>  |      |      |        |
| a      | <b><u>With Floor spring and Hinges</u></b>   |    |   |      |      |        |
|        |  |    | Rate for 3.15 Sq.m as above (X) without water charges   |      |      |        |
|        |  |    | Deduct for Door closure   |      |      |        |
|        |  |    | Add for Floor spring 2Nos   |      |      |        |
|        |  |    | Rate for 3.15 Sq.m  |      |      |        |
|        |  |    | <b>Sub Total for 1 Sq.m (X2)</b>  |      |      |        |
|        |  |    | <b>Add water charges @1% of Sub Total X2</b>  |      |      |        |
|        |  |    | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 478    | <p>Supplying and fabricating and fixing in position of aluminium anodised natural colour matt finish <b>half panelled with 12mm thick bothside prelamated partile board at bottom and half glazed using 5.50mm thick Plain glass at top double leaves door with 10 mm thick Aluminium grill.</b>The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical &amp; Top rail: 50x44.45x2.50mm@1.292 kg/m Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m,Lock rail: 50x44.45x2.5mm @ 1.292 kg/mAlu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/mAlu. Handle: 100x30mm @ 0.988 kg/m the and necessary accessories such as aluminium clips, rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 Nos., aluminium tower bolt 200x12mm - 1No., aluminium Hydraulic door closer - 2Nos ., lock-1No., Door stopper with rubber bush including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the deparmental officers...All the Alu. Section are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. All condition in accordance with ISI specification 1868/1962 foranodic film thickness of not less than 15 microns. Aluminium sections, and furniture fittings shall be got approved by the Executive Engineer incharge.</p> |    |   |      |      |        |
|        |  |    | <b>Aluminium door of size 1.80mx2.10m With 10mm size Grill =3.78Sq.m.</b>                       |      |      |        |

| Sl. No | Qty | Description of work                     | Rate         | Per         | Amount |
|--------|-----|---|--------------|-------------|--------|
|        |     | <b><u>Outer frame :</u></b>             |              |             |        |
|        |     | Horizontal = 1x1.80                     | 1.71         |             |        |
|        |     | Vertical =2x2.10                        | 4.20         |             |        |
|        |     | Total                                   | <b>5.91</b>  | <b>Rm</b>   |        |
|        |     | <b>Wieght 5.91 x 2.319 kg/m</b>         | <b>13.71</b> | <b>Kg</b>   |        |
|        |     | <b><u>Shutter frame</u></b>             |              |             |        |
|        |     | Vertical 2x2x2.056x1.292 kg/m           | 10.63        | <b>Kg</b>   |        |
|        |     | Top rail 1x2x0.76x1.292 kg/m            | 1.96         | <b>Kg</b>   |        |
|        |     | Lock rail 1x2x0.76x1.292 kg/m           | 1.97         | <b>Kg</b>   |        |
|        |     | Bottom rail 1x2x0.76x1.974 kg/m         | 3.00         | <b>Kg</b>   |        |
|        |     | <b>Handle 2x2x0.645x0.988 kg/m</b>      | 2.55         | <b>Kg</b>   |        |
|        |     | <b><u>Aluminium clips</u></b>           |              |             |        |
|        |     | Shutter panel section 2x2x2x(0.76+0.88) | 13.12        |             |        |
|        |     | Glass portion 2x2x2x(0.76+0.98)         | 13.92        |             |        |
|        |     | Total                                   | 27.04        | <b>Rm</b>   |        |
|        |     | Wieght 27.04 x 0.176 kg/m               | 4.76         | <b>Kg</b>   |        |
|        |     | Total weight of aluminium shutter       | <b>38.57</b> | <b>Kg</b>   |        |
|        |     | Add 10% wastage                         | <b>3.86</b>  |             |        |
|        |     | Total                                   | <b>42.43</b> | <b>Kg</b>   |        |
|        |     | Aluminium Grill 10mm size               |              |             |        |
|        |     | 2(0.76x0.98)                            | 1.49         | <b>Sq.m</b> |        |
|        |     | Add 10% wastage                         | <b>0.15</b>  |             |        |
|        |     |   | <b>1.64</b>  | <b>Sq.m</b> |        |
|        |     | PLMDF Board 12mm thick                  |              |             |        |
|        |     | Bottom 2x(0.76x0.88)                    | 1.34         |             |        |
|        |     | Add 10% wastage                         | 0.13         |             |        |
|        |     | Total                                   | <b>1.47</b>  | <b>Sq.m</b> |        |
|        |     | Glass 5.50mm thick plain                |              |             |        |
|        |     | Shutter Top 2x0.76x0.98                 | 1.49         |             |        |
|        |     | Add 20% wastage                         | 0.30         |             |        |

| Sl. No | Qty   |      | Description of work  | Rate        | Per         | Amount |
|--------|-------|------|--|-------------|-------------|--------|
|        |       |      | Total  | <b>1.79</b> | <b>Sq.m</b> |        |
|        |       |      | Rubber beading   |             |             |        |
|        |       |      | Shutter Top 2x2x(0.76+0.98)  | 6.96        |             |        |
|        |       |      |  | <b>6.96</b> | <b>Rm</b>   |        |
|        |       |      | PVC felt: Shutter both side 2x2x2.056  | <b>8.22</b> | <b>Rm</b>   |        |
|        |       |      | <b><u>MAIN DATA</u></b>  |             |             |        |
|        | 42.43 | Kg   | Aluminium Section including anodizing Charges  |             | Kg          |        |
|        | 1.47  | Sq.m | Prelaminated MDF board 12mm tk   |             | Sq.m        |        |
|        | 1.79  | Sq.m | Glass 5.50mm thick plain   |             | Sq.m        |        |
|        | 1.64  | Sq.m | Aluminium Grill 10mm thick   |             | Sq.m        |        |
|        | 6.96  | Rm   | Rubber beading   |             | Rm          |        |
|        | 8.22  | Rm   | PVC Felt 6mm thick   |             | Rm          |        |
|        | 3.78  | Sq.m | Labour Charges fixing Aluminium door   |             | Sq.m        |        |
|        | 1.00  | No   | Lock for Aluminium door  |             | Sq.m        |        |
|        | 2.00  | Nos  | Alu. Tower Bolt 250mmx12mm   |             | Each        |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm   |             | Each        |        |
|        | 2.00  | Nos  | Alu. Hydraulic Door closer   |             | Each        |        |
|        | 2.00  | Nos  | Door stopper with rubber bush  |             | Each        |        |
|        | 6.00  | Nos  | Alu. Hinges 100x30mm   |             | Each        |        |
|        |       | LS   | Sundries for T.W.plugs screws angles dismantling Redoing to good condition including Power supply etc. |             | LS          |        |
|        |       |      | Rate for 3.78 Sq.m   |             |             |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X1)</b>   |             |             |        |
|        |       |      | <b>Add water charges @1% of Sub Total X1</b>   |             |             |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |             |             |        |

| Sl. No | Qty | Description of work  | Rate         | Per       | Amount |
|--------|-----|--|--------------|-----------|--------|
| 479    |     | Spplying and fabricating and fixing in position of aluminium anodised <b>Powder Coated half panelled with 12mm thick bothside prelaminated partile board at bottom and half glazed using 5.50mm thick Plain glass at topdouble leaves door with 10 mm thick Aluminium grill.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m,Lock rail : 50x44.45x2.5mm @ 1.292 kg/mAlu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/mAlu. Handle: 100x30mm @ 0.988 kg/m outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and with the following shutter frames and necessary accessories such as aluminium clips, rubber beading PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 1No, aluminium tower bolt 200x12mm - 2Nos., aluminium door stopper with rubber bush - 2Nos ., lock-1No.,Hydraulic Door closer as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete.12mm thick best quality both sides prelaminated particle board and 5.5mm thick plain glass shall be used for panelling. 10mm thick aluminium grill of approved pattern and design including F or H section shall be used in glazed portion.All condition in accordance with ISI specification 1868/1962 foranodic film thickness of not less than 15 microns. Aluminium sections, and furniture fittings etc complete complying with standard specification and as directed by the departmental officers |              |           |        |
|        |     | <b>1/2panelled &amp; 1/2 glazed with grill Powder Coated</b>   |              |           |        |
|        |     | <b>Aluminium door of size 1.80mx2.10m With 10mm size Grill =3.78Sq.m.</b>  |              |           |        |
|        |     | <b><u>Outer frame :</u></b>  |              |           |        |
|        |     | Horizontal = 1x1.80  | 1.71         |           |        |
|        |     | Vertical =2x2.10   | 4.20         |           |        |
|        |     | Total  | <b>5.91</b>  | <b>Rm</b> |        |
|        |     | <b>Wieght 5.91 x 2.319 kg/m</b>  | <b>13.71</b> | <b>Kg</b> |        |
|        |     | <b><u>Shutter frame</u></b>  |              |           |        |
|        |     | Vertical 2x2x2.056x1.292 kg/m  | 10.63        | <b>Kg</b> |        |
|        |     | Top rail 1x2x0.76x1.292 kg/m   | 1.96         | <b>Kg</b> |        |
|        |     | Lock rail 1x2x0.76x1.292 kg/m  | 1.97         | <b>Kg</b> |        |
|        |     | Bottom rail 1x2x0.76x1.974 kg/m  | 3.00         | <b>Kg</b> |        |
|        |     | <b>Handle 2x2x0.645x0.988 kg/m</b>   | 2.55         | <b>Kg</b> |        |
|        |     | <b><u>Aluminium clips</u></b>  |              |           |        |
|        |     | Shutter panel section 2x2x2x(0.76+0.88)  | 13.12        |           |        |
|        |     | Glass portion 2x2x2x(0.76+0.98)  | 13.92        |           |        |

| Sl. No | Qty   |      | Description of work               | Rate         | Per         | Amount |
|--------|-------|------|-----------------------------------|--------------|-------------|--------|
|        |       |      | Total                             | 27.04        | <b>Rm</b>   |        |
|        |       |      | Wieght 27.04 x 0.176 kg/m         | 4.76         | <b>Kg</b>   |        |
|        |       |      | Total weight of aluminium shutter | <b>38.57</b> | <b>Kg</b>   |        |
|        |       |      | Add 10% wastage                   | <b>3.86</b>  |             |        |
|        |       |      | Total                             | <b>42.43</b> | <b>Kg</b>   |        |
|        |       |      | Aluminium Grill 10mm size         |              |             |        |
|        |       |      | 2(0.76x0.98)                      | 1.49         | <b>Sq.m</b> |        |
|        |       |      | Add 10% wastage                   | <b>0.15</b>  |             |        |
|        |       |      |                                   | <b>1.64</b>  | <b>Sq.m</b> |        |
|        |       |      | PLMDF Board 12mm thick            |              |             |        |
|        |       |      | Bottom 2x(0.76x0.88)              | 1.34         |             |        |
|        |       |      | Add 10% wastage                   | 0.13         |             |        |
|        |       |      | Total                             | <b>1.47</b>  | <b>Sq.m</b> |        |
|        |       |      | Glass 5.50mm thick plain          |              |             |        |
|        |       |      | Shutter Top 2x0.76x0.98           | 1.49         |             |        |
|        |       |      | Add 20% wastage                   | 0.30         |             |        |
|        |       |      | Total                             | <b>1.79</b>  | <b>Sq.m</b> |        |
|        |       |      | Rubber beading                    |              |             |        |
|        |       |      | Shutter Top 2x2x(0.76+0.98)       | 6.96         |             |        |
|        |       |      |                                   | <b>6.96</b>  | <b>Rm</b>   |        |
|        |       |      | PVC felt                          |              |             |        |
|        |       |      | Shutter both side 2x2x2.056       | <b>8.22</b>  | <b>Rm</b>   |        |
|        |       |      | <b>MAIN DATA</b>                  |              |             |        |
|        | 42.43 | Kg   | Aluminium Section powder coated   |              | Kg          |        |
|        | 1.47  | Sq.m | Prelaminated MDF board 12mm tk    |              | Sq.m        |        |
|        | 1.79  | Sq.m | Glass 5.50mm thick plain          |              | Sq.m        |        |
|        | 1.64  | Sq.m | Aluminium Grill 10mm thick        |              | Sq.m        |        |
|        | 6.96  | Rm   | Rubber beading                    |              | Rm          |        |
|        | 8.22  | Rm   | PVC Felt 6mm thick                |              | Rm          |        |

| Sl. No | Qty   |      | Description of work  | Rate | Per  | Amount |
|--------|---|------|--|------|------|--------|
|        | 3.78  | Sq.m | Labour Charges fixing Aluminium door   |      | Sq.m |        |
|        | 1.00  | No   | Lock for Aluminium door  |      | Sq.m |        |
|        | 2.00  | Nos  | Alu. Tower Bolt 250mmx12mm   |      | Each |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm   |      | Each |        |
|        | 2.00  | Nos  | Alu. Hydraulic Door closer   |      | Each |        |
|        | 2.00  | Nos  | Door stopper with rubber bush  |      | Each |        |
|        | 6.00  | Nos  | Alu. Hinges 100x30mm   |      | Each |        |
|        |   | LS   | Sundries for T.W.plugs screws angles dismantling Redoing to good condition including Power supply etc.           |      | LS   |        |
|        |   |      | <b>Rate for 3.78 Sq.m</b>  |      |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X1)</b>   |      |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X1</b>   |      |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| 480    | <p>Supplying fabricating and fixing in position of <b>aluminium anodised powder coated colour matt finish entrance door of 2.700 x 2.40 m size with fixed ventilator at top of size 2.700x0.30m lly glazed and fixed glazing at side of door and double leaves door of size 1.80 m x 2.10 m with half panelled with 12mm thick bothside prelaminate partile board at bottom and half glazed using 5.50mm thick Plain glass at top double leaves door with 10 mm thick Aluminium grill.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical &amp; Top rail: 50x44.45x2.50mm@1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m,Lock rail : 50x44.45x2.50 mm @ 1.292 kg/m,Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m,Alu. Handle: 100x30mm @ 0.988 kg/m and Inner Frame of section 63.50x38x3 mm @1.72 kg/m and necessary accessories such as rubber beading PVC felt, handle for a length of shutter (both sides),Floor spring -2 Nos., locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 No, aluminium tower bolt 200x12mm - 1No.,Rubber bush - 2Nos., lock-1No., including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers..All condition in accordance with ISI ification 1868 / 1962 anodic film thickness of not less than 15 microns. Aluminium sections andfurniture fittings shall be got approved by the xecutive Engineer incharge..</p> |      |  |      |      |        |
|        |   |      | <b>1/2panelled &amp; 1/2 glazed &amp;fixed glazing at one side with top grill</b>                                |      |      |        |
|        |   |      | <b>Consider size: 2.700x2.40 m =6.48 Sq.mwith fixed glazing at one side &amp; top and with 10mm thick grill.</b> |      |      |        |
|        |   |      | <b>Outer frame : 101.60x44.45x3.18mm @ 2.319kg/m</b>   |      |      |        |

| Sl. No | Qty | Description of work  | Rate        | Per        | Amount       |
|--------|-----|--|-------------|------------|--------------|
|        |     | Horizontal 1 x 2.61  | 2.61        |            |              |
|        |     | Vertical 2 x 2.40  | 4.80        |            |              |
|        |     | Vertical 1 x 2.056   | 2.06        |            |              |
|        |     | Ventilator bottom 1x2.61   | 2.61        |            |              |
|        |     |  | 12.08       | x<br>2.319 | <b>28.01</b> |
|        |     | <b>Inner frame</b> 63.50x38x3mm @<br>1.72kg/m                                |             |            |              |
|        |     | Fixed Glazing Vertical = 1 x 2.056   | 2.06        |            |              |
|        |     | Hotizantal = 2 x 2 x 0.387   | 1.55        |            |              |
|        |     | Fixed ventilator vertical = 2x0.212  | 0.42        |            |              |
|        |     |  | 4.03        | x<br>1.72  | <b>6.93</b>  |
|        |     | <b>Shutter frame : 50x44.45x2.50mm @<br/>1.292 kg/m</b>                      |             |            |              |
|        |     | Vertical 2 x 2 x 2.055   | 8.22        |            |              |
|        |     | Hotizantal 2 x 0.79  | 1.58        |            |              |
|        |     |  | 9.80        | x<br>1.292 | <b>12.66</b> |
|        |     | <b>Lock rail:</b> 50 x 44.45 x 2.50 @ 1.292<br>kg/m                          |             |            |              |
|        |     | Horizontal 2 x 0.79x1.292  | <b>2.04</b> | Kg         |              |
|        |     | Bottom rail 100 x 44.45 x 2.50 mm @<br>1.974 kg/m                            |             |            |              |
|        |     | Horizontal 2 x 0.79 x1.974   | <b>3.12</b> | Kg         |              |
|        |     | Handle section @ 0.988 kg/m  |             |            |              |
|        |     | 2 x 2 x 0.645  | 2.58        | x<br>0.988 | <b>2.55</b>  |
|        |     | Aluminium clips: 17.15 x17.27 x 1.50<br>mm @0.176Kg/m                        |             |            |              |
|        |     | Door shutter portion paneled<br>2x2x2x(0.79 + 0.906)<br>2x2x2x(0.79 + 0.906) | 13.57       |            |              |
|        |     | Door glazing portion 2x2x2x(0.79 +<br>1.006)                                 | 14.37       |            |              |
|        |     | Fixed glazing bottoSq.mx2x2x(0.39+<br>0.99)                                  | 11.04       |            |              |
|        |     | Fixed glazing top2x2x2x(0.39 + 0.99)   | 11.04       |            |              |
|        |     | Ventilator portion3x2x2x(0.85 + 0.212)                                       | 12.704      |            |              |

| Sl. No | Qty | Description of work                          | Rate         | Per         | Amount |
|--------|-----|--|--------------|-------------|--------|
|        |     |  | 62.706       | Rm          |        |
|        |     | 62.706 x 0.176                               | <b>11.05</b> | Kg          |        |
|        |     | Total Aluminium section requir               | 66.36        | Kg          |        |
|        |     | Add 10% wastage                              | 6.64         | Kg          |        |
|        |     |  | <b>73.00</b> | Kg          |        |
|        |     | <b><u>Rubber beading</u></b>                 |              |             |        |
|        |     | Shutter glazing 2x2x(0.79+0.906)             | 6.78         |             |        |
|        |     | Fixed glazing bottom 2x2(0.39 + 0.99)        | 5.52         |             |        |
|        |     | Fixed glazing at top 2x2(0.39 + 0.99)        | 5.52         |             |        |
|        |     | Ventilator portion 3x2(0.85 + 0.212)         | 6.37         |             |        |
|        |     |  | <b>24.19</b> | RM          |        |
|        |     | <b><u>PVC Felt</u></b>                       |              |             |        |
|        |     | Shutter vertical 2x2x2.055                   | <b>8.22</b>  | RM          |        |
|        |     | <b><u>Alu. Grill</u></b>                     |              |             |        |
|        |     | Door glazing 2x0.79 x 1.006                  | 1.59         |             |        |
|        |     | Fixed glazing Top & bottom<br>2x2(0.39x0.99) | 1.54         |             |        |
|        |     | F.G. Ventilator 3x(0.85x0.212)               | 0.54         |             |        |
|        |     |  | <b>3.67</b>  | Sq.m        |        |
|        |     | Add 10% wastage                              | 0.37         |             |        |
|        |     |  | <b>4.04</b>  | Sq.m        |        |
|        |     | 12mm PLMDF Board                             |              |             |        |
|        |     | Door shutter 2x0.79x0.906                    | 1.43         |             |        |
|        |     | Add 10% wastage                              | 0.14         |             |        |
|        |     |  | <b>1.57</b>  | <b>Sq.m</b> |        |
|        |     | <u>5.50 mm thick glass</u>                   |              |             |        |
|        |     | Shutter 2x0.79x1.006                         | 1.59         |             |        |
|        |     | Fixed Glazing Top & bottom<br>2x2(0.39x0.99) | 1.54         |             |        |
|        |     | Ventilator 3x0.85x0.212                      | 0.54         |             |        |
|        |     |  | <b>3.67</b>  | <b>Sq.m</b> |        |

| Sl. No | Qty   |      | Description of work   | Rate        | Per         | Amount |
|--------|---|------|---|-------------|-------------|--------|
|        |   |      | Add 20% wastage   | <b>0.73</b> |             |        |
|        |   |      |   | <b>4.40</b> | <b>Sq.m</b> |        |
|        |   |      | <b>MAIN DATA</b>  |             |             |        |
|        | 73.00   | Kg   | Aluminium Section   |             | Kg          |        |
|        | 24.19   | Rm   | Rubber beading  |             | Rm          |        |
|        | 8.22  | Rm   | PVC Felt  |             | Rm          |        |
|        | 4.04  | Sq.m | Aluminium Grill 10mm size   |             | Sq.m        |        |
|        | 1.57  | Sq.m | 12mm Thick Pre Laminated MDF Board  |             | Sq.m        |        |
|        | 4.40  | Sq.m | 5.50mm thick plain glass  |             | Sq.m        |        |
|        | 2.00  | Nos  | Floor spring  |             | Each        |        |
|        | 2.00  | Nos  | 250 x 12mm Alu. Tower bolt  |             | Each        |        |
|        | 1.00  | No   | 200 x 12mm Alu. Tower bolt  |             | Each        |        |
|        | 1.00  | No   | Lock for Aluminium door   |             | Each        |        |
|        | 2.00  | Nos  | Alu. Door stopper   |             | Each        |        |
|        | 6.00  | Nos  | Alu. Hinges 100 x 30mm  |             | Each        |        |
|        | 6.48  | Sq.m | Labour Charges fixing Aluminium door  |             | Sq.m        |        |
|        |   | LS   | Sundries for T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |             | LS          |        |
|        |   |      | Rate for 6.48 Sq.m (X)  |             |             |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X1)</b>  |             |             |        |
|        |   |      | <b>Add water charges @1% of Sub Total X1</b>  |             |             |        |
|        |   |      | <b>Rate for 1 Sq.m</b>  |             |             |        |
| a      | <b><u>Without floor spring but with Hydraulic Door closer</u></b> |      |   |             |             |        |
|        |   |      | Rate for 6.48 Sq.m as above (X) without water charges   |             |             |        |
|        |   |      | Deduct for floor spring   |             |             |        |
|        |   |      | Add for door closer   |             |             |        |
|        |   |      | Rate for 6.48 Sq.m  |             |             |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X2)</b>  |             |             |        |
|        |   |      | <b>Add water charges @1% of Sub Total X2</b>  |             |             |        |
|        |   |      | <b>Rate for 1 Sq.m</b>  |             |             |        |

| Sl. No | Qty | Description of work  | Rate         | Per | Amount |
|--------|-----|--|--------------|-----|--------|
| 481    |     | Fabricating Supplying and fixing in position of <b>aluminium anodised natural colour matt finish entrance door of 2.707 x 2.10 m size</b> with fixed glazing at one side of door and double leaves door of size 1.80 m x 2.10m with <b>half panelled with 12mm thick bothside prelaminated partile board at bottom and half glazed using 5.50mm thick Plain glass at top double leaves door with 10mm size aluminium grill.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical & Top rail: 50x 44.45x 2.50mm @1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/m, Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m, Alu. Handle: 100x30mm @ 0.988 kg/m and Inner Frame of section 63.50x38x3 mm @1.72 kg/m and necessary accessories such as rubber beading PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2 No, aluminium tower bolt 200x12mm - 1No., aluminium door stopper with rubber bush - 2Nos., lock-1No., floor spring as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers.. All condition in accordance with ISI specification 1868 / 1962 oranodic film thickness of not less than 15 microns. Aluminium sections and furniture fittings shall be got approved by the Executive Engineer incharge. |              |     |        |
|        |     | <b>1/2 panelled &amp; 1/2 glazed with grill</b>  |              |     |        |
|        |     | <b>Consider door size : 2.707x2.10 = 5.82 Sq.m</b>   |              |     |        |
|        |     | <b>Outer frame :</b>   |              |     |        |
|        |     | 101.60 x 44.50 x 3.18 mm @ 2.319 kg/m  |              |     |        |
|        |     | Horizontal = 1 x 2.707   | 2.707        | Rm  |        |
|        |     | Vertical 2 x 2.056   | 4.11         | Rm  |        |
|        |     | Vertical 1 x 2.056   | 2.06         | Rm  |        |
|        |     | 8.94Rmx2.319 kg/m  | <b>20.73</b> | Kg  |        |
|        |     | <b>Inner frame</b> 63.50x38x3mm @ 1.72kg/m   |              |     |        |
|        |     | Horizontal 2 x 0.882   | 1.76         | Rm  |        |
|        |     | 1.76 Rmx1.72 kg/m  | <b>3.03</b>  | Kg  |        |
|        |     | <b>Shutter frame</b>   |              |     |        |
|        |     | 50 x 44.50 x 2.50mm @ 1.292 kg/m   |              |     |        |
|        |     | Vertical 2 x 2 x 2.056   | 8.22         | Rm  |        |
|        |     | Top - Horizontal 2 x 0.79  | 3.16         |     |        |
|        |     |  | 11.38        |     |        |
|        |     | 11.38Rmx1.292 Kg/m   | <b>14.70</b> | Kg  |        |

| Sl. No | Qty | Description of work                                       | Rate         | Per         | Amount |
|--------|-----|---|--------------|-------------|--------|
|        |     | <b>Lock rail:</b> 50 x 44.50 x 2.50 @ 1.292 kg/m          |              |             |        |
|        |     | Horizontal 2 x 0.79 = 1.58x1.974 kg/m                     | 2.04         | kg          |        |
|        |     | Bottom rail 100 x 44.50 x 2.50 mm @ 1.974 kg/m            |              |             |        |
|        |     | Horizontal 2 x 0.79 = 1.38x1.974 kg/m                     | 3.12         | Kg          |        |
|        |     | Handle section @ 0.988 kg/m                               |              |             |        |
|        |     | 2 x 2 x 0.645 = 2.58x 1x0.988 kg/m                        | 2.55         | Kg          |        |
|        |     | <b>Aluminium clips 17.15 x 17.15 x 1.50 mm @0.176Kg/m</b> |              |             |        |
|        |     | Door shutter portion panelled 2x2x2x(0.79 + 0.98)         | 13.36        |             |        |
|        |     | Door glazing portion 2x2x2x(0.79 + 0.98)                  | 14.16        |             |        |
|        |     | Fixed glazing bottom 2x2x2x(0.882 + 0.99)                 | 14.98        |             |        |
|        |     |   | <b>42.50</b> | <b>Rm</b>   |        |
|        |     | 42.50 x 0.176 Kg/m  | 7.48         | Kg          |        |
|        |     | Total Aluminium section required                          | 53.65        | Kg          |        |
|        |     | Add 10% wastage   | 5.37         |             |        |
|        |     |   | <b>59.02</b> | <b>Kg</b>   |        |
|        |     | <b><u>Rubber beading</u></b>                              |              |             |        |
|        |     | Shutter glazing 2x2x(0.702+0.892)                         | 6.38         | Rm          |        |
|        |     | Fixed glazing Top & Bottom 2x2(0.882+0.99)                | 7.49         |             |        |
|        |     |   | 13.87        | <b>RM</b>   |        |
|        |     | <b><u>PVC Felt</u></b>                                    |              |             |        |
|        |     | Shutter vertical 2x2x2.056                                | <b>8.22</b>  | <b>RM</b>   |        |
|        |     | <b><u>Alu. Grill</u></b>                                  |              |             |        |
|        |     | Door glazing 2x(0.702 x 0.892)                            | 1.25         |             |        |
|        |     | Fixed glazing Top & Bottom 2x(0.882x0.99)                 | 1.75         |             |        |
|        |     |   | <b>3.00</b>  | <b>Sq.m</b> |        |
|        |     | Add 10% wastage   | 0.30         |             |        |
|        |     |   | <b>3.30</b>  | <b>Sq.m</b> |        |

| Sl. No | Qty   |      | Description of work  | Rate        | Per         | Amount |
|--------|-------|------|--|-------------|-------------|--------|
|        |       |      | <b>12mm PLMDF Board</b>  |             |             |        |
|        |       |      | Door shutter 2x (0.702x0.85)   | 1.19        |             |        |
|        |       |      | Add 10% wastage  | 0.11        |             |        |
|        |       |      |  | <b>1.30</b> | <b>Sq.m</b> |        |
|        |       |      | <u>5.50 mm thick glass</u>   |             |             |        |
|        |       |      | Shutter 2x0.702x0.892  | 1.25        |             |        |
|        |       |      | Fixed Glazing Top & Bottom 2x0.882x0.99  | 1.75        |             |        |
|        |       |      |  | <b>3.00</b> | <b>Sq.m</b> |        |
|        |       |      | Add 20% wastage  | <b>0.60</b> |             | 0.60   |
|        |       |      |  | <b>3.60</b> | <b>Sq.m</b> |        |
|        |       |      | <b>MAIN DATA</b>   |             |             |        |
|        | 59.02 | Kg   | Aluminium Section  |             | Kg          |        |
|        | 13.87 | Rm   | Rubber beading   |             | Rm          |        |
|        | 8.22  | Rm   | PVC Felt   |             | Rm          |        |
|        | 3.30  | Sq.m | Aluminium Grill 10mm size  |             | Sq.m        |        |
|        | 1.30  | Sq.m | 12mm PLMDF Board   |             | Sq.m        |        |
|        | 3.60  | Sq.m | 5.50mm thick plain glass   |             | Sq.m        |        |
|        | 2.00  | Nos  | Floor spring   |             | Each        |        |
|        | 2.00  | Nos  | 250 x 12mm Alu. Tower bolt   |             | Each        |        |
|        | 1.00  | No   | 200 x 12mm Alu. Tower bolt   |             | Each        |        |
|        | 1.00  | No   | Lock for Aluminium door  |             | Each        |        |
|        | 2.00  | Nos  | Alu. Door stopper  |             | Each        |        |
|        | 6.00  | Nos  | Alu. Hinges 100x30mm   |             | Each        |        |
|        | 5.82  | Sq.m | Labour Charges fixing Aluminium door   |             | Sq.m        |        |
|        |       | LS   | Sundries for angles screws dismantling Redoing to good condition including Power supply etc. |             | LS          |        |
|        |       |      | Rate for 5.82 Sq.m (X)   |             |             |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X1)</b>   |             |             |        |
|        |       |      | <b>Add water charges @1% of Sub Total X1</b>   |             |             |        |

| Sl. No | Qty | Description of work   | Rate | Per | Amount |
|--------|-----|---|------|-----|--------|
|        |     | <b>Rate for 1 Sq.m</b>  |      |     |        |
| a      |     | <b><u>Without floor spring but with Automatic Door closer</u></b>   |      |     |        |
|        |     | Rate for 5.82 Sq.m as above (X) without water charges   |      |     |        |
|        |     | Deduct for floor spring   |      |     |        |
|        |     | Add for Automatic Door closure  |      |     |        |
|        |     | Rate for 5.82 Sq.m  |      |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X2)</b>  |      |     |        |
|        |     | <b>Add water charges @1% of Sub Total X2</b>  |      |     |        |
|        |     | <b>Rate for 1 Sq.m</b>  |      |     |        |
| b      |     | <b><u>Without floor spring &amp; Automatic Door closer</u></b>  |      |     |        |
|        |     | Rate for 5.82 Sq.m as above (X) without water charges   |      |     |        |
|        |     | Deduct for floor spring   |      |     |        |
|        |     | Deduct for Automatic Doorclosure  |      |     |        |
|        |     | Rate for 5.82 Sq.m  |      |     |        |
|        |     | <b>Sub Total for 1 Sq.m (X3)</b>  |      |     |        |
|        |     | <b>Add water charges @1% of Sub Total X3</b>  |      |     |        |
|        |     | <b>Rate for 1 Sq.m</b>  |      |     |        |
| 482    |     | Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish of <b>single leaf fully panelled openable shutters</b> with 12mm thick bothside prelaminate board. The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/mAlu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/mAlu. Handle: 100x30mm @ 0.988 kg/m and necessary accessories such as Alu. clips rubber beading, full length of handles on both sides, lock, furniture fittings such as, Hinges, Automatic door closer, rubber bush, stopper including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers.. All the Alu. Section are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. |      |     |        |
|        |     | <b>Fully paneled</b>  |      |     |        |
|        |     | <b>Consider door size : 1.00x2.10 = 2.10 Sq.m</b>   |      |     |        |

| Sl. No | Qty   |      | Description of work   | Rate         | Per       | Amount |
|--------|-------|------|---|--------------|-----------|--------|
|        |       |      | Outer frame   |              |           |        |
|        |       |      | Horizontal 1x1.00 = 0.912   |              |           |        |
|        |       |      | Verticle $2 \times 2.10 = \frac{4.20}{5.112 \times 2.319 \text{ kg/m}}$ | <b>11.86</b> | <b>Kg</b> |        |
|        |       |      | <b>Shutter frame</b>  |              |           |        |
|        |       |      | Vertical 1x2x2.056x1.292 kg/m   | <b>5.31</b>  | <b>Kg</b> |        |
|        |       |      | Top rail 1x1x0.824x1.292 kg/m   | <b>1.06</b>  | <b>Kg</b> |        |
|        |       |      | Lock rail 1x1x0.824x1.292 kg/m  | <b>1.06</b>  | <b>Kg</b> |        |
|        |       |      | Bottom rail 1x1x0.824x1.974 kg/m  | <b>1.63</b>  | <b>Kg</b> |        |
|        |       |      | Handle 2x0.85x0.988 kg/m  | <b>1.68</b>  | <b>Kg</b> |        |
|        |       |      | <b>Aluminium clips 0.176Kg/m</b>  |              |           |        |
|        |       |      | Shutter Portion (0.824+0.934)2x2x2                                      | 14.06        | Rm        |        |
|        |       |      | 14.06x0.176 kg/m  | <b>2.47</b>  | <b>Kg</b> |        |
|        |       |      | <b>Total weight of Aluminium</b>  | <b>25.08</b> | <b>Kg</b> |        |
|        |       |      | Add 10% wastage   | <b>2.51</b>  | <b>Kg</b> |        |
|        |       |      |   | <b>27.59</b> | <b>Kg</b> |        |
|        |       |      | <b>MDF Board 12mm thick</b>   |              |           |        |
|        |       |      | shutter 2x0.824x0.94  | 1.55         | Sq.m      |        |
|        |       |      | Add 10% wastage   | <b>0.16</b>  | Sq.m      |        |
|        |       |      |   | <b>1.71</b>  | Sq.m      |        |
|        |       |      | <b>PVC felt Shutter both side 2x1x2.056</b>                             | <b>4.11</b>  | <b>Rm</b> |        |
|        |       |      | <b>MAIN DATA</b>  |              |           |        |
|        | 27.59 | Kg   | Aluminium Section including anodizing Charges                           |              | Kg        |        |
|        | 1.71  | Sq.m | Prelaminated MDF board 12mm tk  |              | Sq.m      |        |
|        | 4.11  | Rm   | PVC Felt 6mm thick  |              | Rm        |        |
|        | 2.10  | Sq.m | Labour Charges fixing Aluminium door                                    |              | Sq.m      |        |
|        | 1.00  | No   | Lock for Aluminium door   |              | Sq.m      |        |
|        | 1.00  | No   | Alu. Tower Bolt 250mmx12mm  |              | Each      |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm  |              | Each      |        |
|        | 1.00  | No   | Alu. Door stopper   |              | Each      |        |

| Sl. No | Qty   |     | Description of work   | Rate         | Per  | Amount |
|--------|---|-----|---|--------------|------|--------|
|        | 3.00  | Nos | Alu. Hinges 100x30mm  |              | Each |        |
|        | 1.00  | No  | Automatic Door closer   |              | Each |        |
|        |   | LS  | Sundries for T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |              | LS   |        |
|        |   |     | Rate for 2.10 Sq.m (X)  |              |      |        |
|        |   |     | <b>Sub Total for 1 Sq.m (X1)</b>  |              |      |        |
|        |   |     | <b>Add water charges @1% of Sub Total X1</b>  |              |      |        |
|        |   |     | <b>Rate for 1 Sq.m</b>  |              |      |        |
| a      | <b><u>Without Automatic Door closure</u></b>  |     |   |              |      |        |
|        |   |     | Rate for 2.10 Sq.m as above (X) without water charges   |              |      |        |
|        |   |     | Deduct for Doorclosure  |              |      |        |
|        |   |     | Rate for 2.10 Sq.m  |              |      |        |
|        |   |     | <b>Sub Total for 1 Sq.m (X2)</b>  |              |      |        |
|        |   |     | <b>Add water charges @1% of Sub Total X2</b>  |              |      |        |
|        |   |     | <b>Rate for 1 Sq.m</b>  |              |      |        |
| 483    | Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish of <b>double leaves door with fully panelled</b> with 12mm thick bothside prelaminate partile board The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m Lock rail : 50x44.45x2.5mm @ 1.292 kg/mAlu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/mAlu. Handle: 100x30mm @ 0.988 kg/m and necessary accessories such as Alu. clips rubber beading, full length of handles on both sides, lock, furniture fittings such as, Hinges, Automatic door closer, rubber bush, stopper including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and waking hole to the reuired extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the deparmental officers. All the Alu. sectionare to be anodised with matt finish under electically contolled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. |     |   |              |      |        |
|        |   |     | <b>Fully paneled</b>  |              |      |        |
|        |   |     | <b>Consider door size : 1.20x2.10 = 2.52 Sq.m</b>   |              |      |        |
|        |   |     | <b><u>Outer frame</u></b>   |              |      |        |
|        |   |     | Horizontal 1x1.112 = 1.112  |              |      |        |
|        |   |     | Verticle 2x2.10 = 4.20<br>5.312 Rm x 2.319 kg/m   | <b>12.32</b> | Kg   |        |

| Sl. No | Qty   |      | Description of work  | Rate         | Per       | Amount |
|--------|-------|------|--|--------------|-----------|--------|
|        |       |      | <b><u>Shutter frame</u></b>  |              |           |        |
|        |       |      | Vertical 2x2x2.056x1.292 kg/m  | <b>10.63</b> | <b>Kg</b> |        |
|        |       |      | Top rail 1x2x0.468x1.292 kg/m  | <b>1.21</b>  | <b>Kg</b> |        |
|        |       |      | Lock rail 1x2x0.468x1.292 kg/m   | <b>1.21</b>  | <b>Kg</b> |        |
|        |       |      | Bottom rail 1x2x0.468x1.974 kg/m   | <b>1.85</b>  | <b>Kg</b> |        |
|        |       |      | Handle 2x2x0.505x0.988 kg/m  | <b>2.00</b>  | <b>Kg</b> |        |
|        |       |      | <b>Aluminium clips 0.176Kg/m</b>   |              |           |        |
|        |       |      | Shutter Portion 2x4x2x(0.468+0.934)  | 22.43        | Rm        |        |
|        |       |      | 22.43 x 0.176 Kg/m   | <b>3.95</b>  | <b>Kg</b> |        |
|        |       |      | <b>Total weight of Aluminium</b>   | <b>33.16</b> | Kg        |        |
|        |       |      | Add 10% wastage  | <b>3.24</b>  | Kg        |        |
|        |       |      |  | <b>36.40</b> | Kg        |        |
|        |       |      | <b>MDF Board 12mm thick shutter B1175</b>  | 1.76         | Sq.m      |        |
|        |       |      | Add 10% wastage  | <b>0.18</b>  | Sq.m      |        |
|        |       |      |  | <b>1.94</b>  | Sq.m      |        |
|        |       |      | <b>PVC felt Shutter both side 2x2x2.056</b>  | <b>8.22</b>  | <b>Rm</b> |        |
|        |       |      | <b>MAIN DATA</b>   |              |           |        |
|        | 36.40 | Kg   | Aluminium Section including anodizing Charges  |              | Kg        |        |
|        | 1.94  | Sq.m | Prelaminated MDF board 12mm thick  |              | Sq.m      |        |
|        | 8.22  | Rm   | PVC Felt 6mm thick   |              | Rm        |        |
|        | 2.52  | Sq.m | Labour Charges fixing Aluminium door   |              | Sq.m      |        |
|        | 1.00  | No   | Lock for Aluminium door  |              | Sq.m      |        |
|        | 2.00  | Nos  | Alu. Tower Bolt 250mmx12mm   |              | Each      |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm   |              | Each      |        |
|        | 2.00  | Nos  | Alu. Door stopper  |              | Each      |        |
|        | 6.00  | Nos  | Alu. Hinges 100x30mm   |              | Each      |        |
|        | 2.00  | Nos  | Automatic Door closer  |              | Each      |        |
|        |       | LS   | Sundries for angles screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |

| Sl. No | Qty   | Description of work   | Rate         | Per       | Amount |
|--------|---|---|--------------|-----------|--------|
|        |   | Rate for 2.52 Sq.m (X)  |              |           |        |
|        |   | <b>Sub Total for 1 Sq.m (X1)</b>  |              |           |        |
|        |   | <b>Add water charges @1% of Sub Total X1</b>                            |              |           |        |
|        |   | <b>Rate for 1 Sq.m</b>  |              |           |        |
| a      | <b><u>Without Automatic Door closer</u></b>   |   |              |           |        |
|        |   | Rate for 2.52 Sq.m as above (X) without water charges                   |              |           |        |
|        |   | Deduct for Doorclosure  |              |           |        |
|        |   | Rate for 2.52 Sq.m  |              |           |        |
|        |   | <b>Sub Total for 1 Sq.m (X2)</b>  |              |           |        |
|        |   | <b>Add water charges @1% of Sub Total X2</b>                            |              |           |        |
|        |   | <b>Rate for 1 Sq.m</b>  |              |           |        |
| 484    | Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish of <b>single leaf fully glazed Door shutters with 5.50 mm thick glass</b> . The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/mAlu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/mAlu. Handle: 100x30mm @ 0.988 kg/m and necessary accessories such as Alu. clips rubber beading, full length of handles on both sides, lock, furniture fittings such as, Hinges, Automatic door closer, rubber bush, stopper including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers. All the Alu. Section are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. |   |              |           |        |
|        |   | <b>Fully glazed</b>   |              |           |        |
|        |   | <b>Consider door size : 1.00x2.10 = 2.10 Sq.m</b>                       |              |           |        |
|        |   | Outer frame   |              |           |        |
|        |   | Horizontal 1x1.00 = 0.912   |              |           |        |
|        |   | Verticle $2 \times 2.10 = \frac{4.20}{5.112} \times 2.319 \text{ kg/m}$ | <b>11.86</b> | <b>Kg</b> |        |
|        |   | <b><u>Shutter frame</u></b>   |              |           |        |
|        |   | Vertical 1x2x2.056x1.292 kg/m   | <b>5.31</b>  | <b>Kg</b> |        |
|        |   | Top rail 1x1x0.824x1.292 kg/m   | <b>1.06</b>  | <b>Kg</b> |        |

| Sl. No | Qty   |      | Description of work   | Rate         | Per       | Amount |
|--------|-------|------|---|--------------|-----------|--------|
|        |       |      | Lock rail 1x1x0.824x1.292 kg/m  | <b>1.06</b>  | <b>Kg</b> |        |
|        |       |      | Bottom rail 1x1x0.824x1.974 kg/m  | <b>1.63</b>  | <b>Kg</b> |        |
|        |       |      | Handle 2 x0.85x0.988 kg/m   | <b>1.68</b>  | <b>Kg</b> |        |
|        |       |      | <b>Aluminium clips 0.176Kg/m</b>  |              |           |        |
|        |       |      | Shutter Portion (0.824+0.934) 2x2x2   | 14.06        | Rm        |        |
|        |       |      | 14.06x0.176 kg/m  | <b>2.47</b>  | <b>Kg</b> |        |
|        |       |      | <b>Total weight of Aluminium</b>  | <b>25.08</b> | <b>Kg</b> |        |
|        |       |      | Add 10% wastage   | <b>2.51</b>  | <b>Kg</b> |        |
|        |       |      |   | <b>27.59</b> | <b>Kg</b> |        |
|        |       |      | <b>Glass 3 mm thick</b>   |              |           |        |
|        |       |      | shutter 2x0.824x0.94  | 1.55         | Sq.m      |        |
|        |       |      | Add 20% wastage   | <b>0.31</b>  | Sq.m      |        |
|        |       |      |   | <b>1.86</b>  | Sq.m      |        |
|        |       |      | Rubber beading (0.824+0.934)x2x2  | <b>7.03</b>  | <b>Rm</b> |        |
|        |       |      | <b>PVC felt Shutter both side 2x1x2.056</b>   | <b>4.11</b>  | <b>Rm</b> |        |
|        |       |      | <b>MAIN DATA</b>  |              |           |        |
|        | 27.59 | Kg   | Aluminium Section including anodizing Charges   |              | Kg        |        |
|        | 1.86  | Sq.m | 5.50 mm thick glass   |              | Sq.m      |        |
|        | 7.03  | Rm   | Rubber beading  |              | Rm        |        |
|        | 4.11  | Rm   | PVC Felt 6mm thick  |              | Rm        |        |
|        | 2.10  | Sq.m | Labour Charges fixing Aluminium door  |              | Sq.m      |        |
|        | 1.00  | No   | Lock for Aluminium door   |              | Each      |        |
|        | 1.00  | No   | Alu. Tower Bolt 250mmx12mm  |              | Each      |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm  |              | Each      |        |
|        | 1.00  | No   | Alu. Door stopper   |              | Each      |        |
|        | 3.00  | Nos  | Alu. Hinges 100x30mm  |              | Each      |        |
|        | 1.00  | No   | Automatic Door closer   |              | Each      |        |
|        |       |      | Sundries for T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |

| Sl. No | Qty   | Description of work                                   | Rate         | Per       | Amount |
|--------|---|---|--------------|-----------|--------|
|        |   | Rate for 2.10 Sq.m (X)                                |              |           |        |
|        |   | <b>Sub Total for 1 Sq.m (X1)</b>                      |              |           |        |
|        |   | <b>Add water charges @1% of Sub Total X1</b>          |              |           |        |
|        |   | <b>Rate for 1 Sq.m</b>                                |              |           |        |
| a      | <b><u>Without Automatic Door closure</u></b>  |   |              |           |        |
|        |   | Rate for 2.10 Sq.m as above (X) without water charges |              |           |        |
|        |   | Deduct for Door closure                               |              |           |        |
|        |   | Rate for 2.10 Sq.m                                    |              |           |        |
|        |   | <b>Sub Total for 1 Sq.m (X2)</b>                      |              |           |        |
|        |   | <b>Add water charges @1% of Sub Total X2</b>          |              |           |        |
|        |   | <b>Rate for 1 Sq.m</b>                                |              |           |        |
| 485    | Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish of <b>Double leaf fully glazed Door shutters with 5.50 mm thick glass</b> .The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/mAlu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/mAlu. Handle: 100x30mm @ 0.988 kg/m and necessary accessories such as Alu. clips rubber beading, full length of handles on both sides, lock, furniture fittings such as, Hinges, Automatic door closer, rubber bush, stopper including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and making hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers...All the Alu. Section are to be anodised with matt finish under electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. <b>Fully Glazed</b> |   |              |           |        |
|        |   | <b>Consider door size : 1.20x2.10 = 2.52 Sq.m</b>     |              |           |        |
|        |   | <b><u>Outer frame</u></b>                             |              |           |        |
|        |   | Horizontal 1x1.112 = 1.112                            |              |           |        |
|        |   | Verticle 2x2.10 = 4.20<br>5.312 Rm x 2.319 kg/m       | <b>12.32</b> | Kg        |        |
|        |   | <b><u>Shutter frame</u></b>                           |              |           |        |
|        |   | Vertical 2x2x2.056x1.292 kg/m                         | <b>10.63</b> | <b>Kg</b> |        |
|        |   | Top rail 1x2x0.468x1.292 kg/m                         | <b>1.21</b>  | <b>Kg</b> |        |
|        |   | Lock rail 1x2x0.468x1.292 kg/m                        | <b>1.21</b>  | <b>Kg</b> |        |

| Sl. No | Qty   |      | Description of work  | Rate         | Per       | Amount |
|--------|-------|------|--|--------------|-----------|--------|
|        |       |      | Bottom rail 1x2x0.468x1.974 kg/m   | <b>1.85</b>  | <b>Kg</b> |        |
|        |       |      | Handle 2x2x0.505x0.988 kg/m  | <b>2.00</b>  | <b>Kg</b> |        |
|        |       |      | <b>Aluminium clips 0.176Kg/m</b>   |              |           |        |
|        |       |      | Shutter Portion 2x4x2x(0.468+0.934)  | 22.43        | Rm        |        |
|        |       |      | 22.43 x 0.176 Kg/m   | <b>3.95</b>  | <b>Kg</b> |        |
|        |       |      | <b>Total weight of Aluminium</b>   | <b>33.16</b> | Kg        |        |
|        |       |      | Add 10% wastage  | <b>3.24</b>  | Kg        |        |
|        |       |      |  | <b>36.40</b> | Kg        |        |
|        |       |      | <b>Glass 5.50 mm thick</b>   |              |           |        |
|        |       |      | shutter 4x0.468x0.934  | 1.75         | Sq.m      |        |
|        |       |      | Add 20% wastage  | <b>0.35</b>  | Sq.m      |        |
|        |       |      |  | <b>2.10</b>  | Sq.m      |        |
|        |       |      | Rubber beading (0.468+0.934)x2x2x2   | <b>11.22</b> | <b>Rm</b> |        |
|        |       |      | PVC felt Shutter both side<br>2x2x2.056  | <b>8.22</b>  | <b>Rm</b> |        |
|        |       |      | <b>MAIN DATA</b>   |              |           |        |
|        | 36.40 | Kg   | Aluminium Section including anodizing Charges  |              | Kg        |        |
|        | 2.10  | Sq.m | 5.50 mm thick glass  |              | Sq.m      |        |
|        | 11.22 | Rm   | Rubber beading   |              | Rm        |        |
|        | 8.22  | Rm   | PVC Felt 6mm thick   |              | Rm        |        |
|        | 2.52  | Sq.m | Labour Charges fixing Aluminium door   |              | Sq.m      |        |
|        | 1.00  | No   | Lock for Aluminium door  |              | Each      |        |
|        | 2.00  | Nos  | Alu. Tower Bolt 250mmx12mm   |              | Each      |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm   |              | Each      |        |
|        | 2.00  | Nos  | Alu. Door stopper  |              | Each      |        |
|        | 6.00  | Nos  | Alu. Hinges 100x30mm   |              | Each      |        |
|        | 2.00  | Nos  | Automatic Door closer  |              | Each      |        |
|        |       | LS   | Sundries for angles screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |
|        |       |      | Rate for 2.52 Sq.m (X)   |              |           |        |

| Sl. No   | Qty   | Description of work   | Rate         | Per       | Amount |
|----------|---|---|--------------|-----------|--------|
|          |   | <b>Sub Total for 1 Sq.m (X1)</b>  |              |           |        |
|          |   | <b>Add water charges @1% of Sub Total X1</b>  |              |           |        |
|          |   | <b>Rate for 1 Sq.m</b>  |              |           |        |
| <b>a</b> | <b><u>Without Automatic Door closer</u></b> |   |              |           |        |
|          |   | Rate for 2.52 Sq.m as above (X) without water charges   |              |           |        |
|          |   | Deduct for Doorclosure  |              |           |        |
|          |   | Rate for 2.52 Sq.m  |              |           |        |
|          |   | <b>Sub Total for 1 Sq.m (X2)</b>  |              |           |        |
|          |   | <b>Add water charges @1% of Sub Total X2</b>  |              |           |        |
|          |   | <b>Rate for 1 Sq.m</b>  |              |           |        |
| 486      |   | Fabricating Supplying and fixing in position Aluminium door Powder Coated of size 1.00mx2.10m having Single leaf openable shutter 1/3 panelled & 2/3 glazed with 10 mm thick aluminium grill of approved pattern and design and 12mm thick best quality both sides prelaminate particle board and 5.5mm thick plain glass shall be used for panelling with Aluminium section of Outer Frame :101.60x44.45x3.18mm @ 2.319kg/m and Shutter frame of bottom rail : 100x44.45x2.50mm @ 1.974 kg/m, Top & Vertical rail : 50x44.45x2.50mm @ 1.292kg/m, Lock rail: 50x44.45x2.50mm @ 1.292kg/m, Aluminium clips:17.15x17.27x1.50mm @ 0.176kg/m and with required aluminum hinges, door stopper, rubber beading, PVC felt, handle for a length of shutter (both sides) of section: 100x30mm @ 0.988kg/m, locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 1No., aluminium tower bolt 200x12mm - 1No., aluminium door stopper with rubber bush - 2Nos., lock-1No., Floor Spring - Each., as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers. All Aluminium section shall be used in electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. |              |           |        |
|          |   | <b>1/3 panelled &amp; 2/3 glazed with grill Powder Coated</b>   |              |           |        |
|          |   | <b>Door size : 1.00mx2.10m = 2.10Sq.m</b>   |              |           |        |
|          |   | <b><u>Outer frame :</u></b>   |              |           |        |
|          |   | Horizontal 1x0.912  | 0.912        | m         |        |
|          |   | Vertical 2x2.10   | 4.20         | m         |        |
|          |   |   | <b>5.112</b> | Rm        |        |
|          |   | <b>Wieght 5.112x 2.319 kg/m</b>   | <b>11.85</b> | <b>Kg</b> |        |
|          |   | vertical 1x2x2.056  | 4.112        | Rm        |        |

| Sl. No | Qty | Description of work                          | Rate         | Per         | Amount |
|--------|-----|--|--------------|-------------|--------|
|        |     | Top 1x1x0.824                                | 0.824        |             |        |
|        |     |  | 4.936        |             |        |
|        |     | 4.936x1.292 kg/m                             | <b>6.38</b>  | <b>Kg</b>   |        |
|        |     | Lock rail 1x1x0.824 = 0.824x1.292 kg/m       | <b>1.06</b>  | <b>Kg</b>   |        |
|        |     | Bottom rail 1x1x0.824 = 0.824 x 1.974 kg/m   | <b>1.63</b>  | <b>Kg</b>   |        |
|        |     | Alu.handle 1x2x0.85 = 1.70x0.988             | <b>1.68</b>  | <b>Kg</b>   |        |
|        |     | <b>Aluminium clips @ 0 .176 kg/m</b>         |              |             |        |
|        |     | Shutter panel section<br>1x2x2x(0.618+0.622) | <b>4.96</b>  |             |        |
|        |     | Glass portion 1x2x2x(0.618+1.29)             | <b>7.63</b>  |             |        |
|        |     |  | <b>12.59</b> | Rm          |        |
|        |     | Wiegth 12.59 x 0.176 kg/m                    | <b>2.22</b>  | Kg          |        |
|        |     | <b>Total weight of aluminium shutter</b>     | <b>24.82</b> | Kg          |        |
|        |     | Add 10% wastage                              | <b>2.48</b>  |             |        |
|        |     |  | <b>27.30</b> | Kg          |        |
|        |     | <b>PLMDF Board 12mm thick</b>                |              |             |        |
|        |     | Bottom 1/3portion 1x0.618x0.622              | 0.38         |             |        |
|        |     | Add 10% wastage                              | 0.04         |             |        |
|        |     |  | <b>0.42</b>  | Sq.m        |        |
|        |     | <b>Glass 5.50mm thick plain</b>              |              |             |        |
|        |     | Shutter Top 1x0.618x1.29                     | 0.80         |             |        |
|        |     | Add 20% wastage                              | <b>0.16</b>  |             |        |
|        |     |  | <b>0.96</b>  | <b>Sq.m</b> |        |
|        |     | Aluminium Grill 10mm size                    | 0.80         | Sq.m        |        |
|        |     | Add 10% wastage                              | <b>0.08</b>  |             |        |
|        |     |  | <b>0.88</b>  | <b>Sq.m</b> |        |
|        |     | Rubber beading                               |              |             |        |
|        |     | Shutter Top 1x2x(0.618+1.29)                 | 3.82         | M           |        |
|        |     |  | <b>3.82</b>  | <b>Rm</b>   |        |
|        |     | PVC felt                                     |              |             |        |

| Sl. No | Qty  |      | Description of work  | Rate        | Per       | Amount |
|--------|--|------|--|-------------|-----------|--------|
|        |  |      | Shutter both side 1x2x2.056  | <b>4.11</b> | <b>Rm</b> |        |
|        |  |      | <b>MAIN DATA</b>   |             |           |        |
|        | 27.30  | Kg   | Aluminium Section including anodizing Charges  |             | Kg        |        |
|        | 0.42   | Sq.m | Prelaminated MDF board 12mm tk   |             | Sq.m      |        |
|        | 0.96   | Sq.m | Glass 5.50mm thick plain   |             | Sq.m      |        |
|        | 0.88   | Sq.m | Aluminium Grill 10mm size  |             | Sq.m      |        |
|        | 3.82   | Rm   | Rubber beading   |             | Rm        |        |
|        | 4.11   | Rm   | PVC Felt 6mm thick   |             | Rm        |        |
|        | 2.10   | Sq.m | Labour Charges fixing Aluminium door   |             | Sq.m      |        |
|        | 1.00   | No   | Lock for Aluminium door  |             | Each      |        |
|        | 1.00   | No   | Alu. Tower Bolt 250mmx12mm   |             | Each      |        |
|        | 1.00   | No   | Alu. Tower Bolt 200mmx12mm   |             | Each      |        |
|        | 1.00   | No   | Aluminium door stopper   |             | Each      |        |
|        | 1.00   | No   | Hyd. Floor spring  |             | Each      |        |
|        | 3.00   | Nos  | Alu. Hinges 100x30mm   |             | Each      |        |
|        |  | LS   | Sundries for Angles T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |             | LS        |        |
|        |  |      | Rate for 2.10 Sq.m (X)   |             |           |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X1)</b>   |             |           |        |
|        |  |      | <b>Add water charges @1% of Sub Total X1</b>   |             |           |        |
|        |  |      | <b>Rate for 1 Sq.m</b>   |             |           |        |
| a      | <b><u>Without Hydraulic Floor spring</u></b> |      |  |             |           |        |
|        |  |      | Rate for 2.10 Sq.m as above (X) without water charges  |             |           |        |
|        |  |      | Deduct Hydraulic Floor spring  |             |           |        |
|        |  |      | Rate for 2.10 Sq.m   |             |           |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X2)</b>   |             |           |        |
|        |  |      | <b>Add water charges @1% of Sub Total X2</b>   |             |           |        |
|        |  |      | <b>Rate for 1 Sq.m</b>   |             |           |        |

| Sl. No | Qty  | Description of work   | Rate         | Per       | Amount |
|--------|--|---|--------------|-----------|--------|
| b      | <b><u>Without Aluminium Grill</u></b>  |   |              |           |        |
|        |  | Rate for 2.10 Sq.m as above (X) without water charges   |              |           |        |
|        |  | Deduct for Aluminium Grill  |              |           |        |
|        |  | Rate for 2.10 Sq.m  |              |           |        |
|        |  | <b>Sub Total for 1 Sq.m (X3)</b>  |              |           |        |
|        |  | <b>Add water charges @1% of Sub Total X3</b>  |              |           |        |
|        |  | <b>Rate for 1 Sq.m</b>  |              |           |        |
| 487    | <p>Fabricating Supplying and fixing in position <b>Aluminium anodised Natural color matt finish door</b> of size 1.50mx2.40m having fixed ventilator at top of size 1.50x0.30m with <b>1/3 panelled with 12mm thick bothside prelaminated particle board at bottom w&amp; 2/3 glazed using 5.50mm thick Plain glass at top with aluminium grill 10mm thick double leaves door.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and Shutter frame made of section with Vertical &amp; Top rail: 50x44.45x2.50mm@1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/m, Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m, Alu. Handle: 100x30mm @ 0.988 kg/m and Fixed ventilator Inner frame of section @ 63.50x38x3mm @ 1.72kg/m and necessary accessories such as rubber beading PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2Nos, aluminium tower bolt 200x12mm - 1No, aluminium door stopper with rubber bush - 2Nos ., lock-1No., Hydraulic Door closer as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete.. All Aluminium section shall be used in electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete.</p> |   |              |           |        |
|        |  | <b>1/3panelled &amp; 2/3 glazed with grill</b>  |              |           |        |
|        |  | <b>Door size : 1.50mx2.40m = 3.60Sq.m with fixed top glazing and aluminium grill 10mm thick</b> |              |           |        |
|        |  | <b><u>Outer frame :</u></b>   |              |           |        |
|        |  | Horizontal 2x1.412  | 2.824        | m         |        |
|        |  | Vertical 2x2.40   | 4.80         | m         |        |
|        |  |   | <b>7.624</b> | Rm        |        |
|        |  | <b>Wieght 7.624x 2.319 kg/m</b>   | <b>17.68</b> | <b>Kg</b> |        |
|        |  | Fixed ventilator @ 63.50x38x3mm @ 1.72kg/m  |              |           |        |
|        |  | Inner frame V = 0.212x1.72 kg/m   | <b>0.37</b>  | <b>kg</b> |        |
|        |  | <b><u>Shutter frame</u></b>   |              |           |        |

| Sl. No | Qty | Description of work                          | Rate          | Per         | Amount |
|--------|-----|--|---------------|-------------|--------|
|        |     | Vertical 2x2x2.10x1.292 kg/m                 | 10.85         | Kg          |        |
|        |     | Top rail 1x2x0.618x1.292 kg/m                | 1.60          | Kg          |        |
|        |     | Lock rail 1x2x0.618x1.292 kg/m               | 1.60          | Kg          |        |
|        |     | Bottom rail 1x2x0.618x1.974 kg/m             | 2.44          | Kg          |        |
|        |     | <b>Handle 2x2x0.645x0.988 kg/m</b>           | 2.55          | Kg          |        |
|        |     | <b>Aluminium clips @ .176 kg/m</b>           |               |             |        |
|        |     | Shutter panel section<br>2x2x2x(0.618+0.622) | <b>9.92</b>   |             |        |
|        |     | Glass portion 2x2x2x(0.618+1.29)             | <b>15.264</b> |             |        |
|        |     | Fixed ventilator 2x2x2x(0.684+0.212)         | <b>7.168</b>  |             |        |
|        |     |  | <b>32.35</b>  | Rm          |        |
|        |     | Wiegth 32.352 x 0.176 kg/m                   | <b>5.69</b>   | Kg          |        |
|        |     | <b>Total weight of aluminium shutter</b>     | <b>42.708</b> | Kg          |        |
|        |     | Add 10% wastage                              | <b>4.28</b>   |             |        |
|        |     |  | <b>47.06</b>  | Kg          |        |
|        |     | <b>PLMDF Board 12mm thick</b>                |               |             |        |
|        |     | Bottom 1/3portion 2x0.618x0.622              | 0.77          |             |        |
|        |     | Add 10% wastage                              | 0.08          |             |        |
|        |     |  | <b>0.85</b>   | Sq.m        |        |
|        |     | <b>Glass 5.50mm thick plain</b>              |               |             |        |
|        |     | Shutter Top 2x0.618x1.29                     | 1.59          |             |        |
|        |     | Fixed ventilator 2x0.684x0.212               | 0.29          |             |        |
|        |     |  | <b>1.88</b>   | <b>Sq.m</b> |        |
|        |     | Add 20% wastage                              | <b>0.38</b>   |             |        |
|        |     |  | <b>2.26</b>   | <b>Sq.m</b> |        |
|        |     | Aluminium Grill 10mm size (1.59+0.29)        | 1.88          | Sq.m        |        |
|        |     | Add 10% wastage                              | <b>0.19</b>   |             |        |
|        |     |  | <b>2.07</b>   | <b>Sq.m</b> |        |
|        |     | Rubber beading                               |               |             |        |
|        |     | Shutter Top 2x2x(0.618+1.29)                 | 7.63          | M           |        |

| Sl. No   | Qty   |      | Description of work  | Rate         | Per       | Amount |
|----------|---|------|--|--------------|-----------|--------|
|          |   |      | Fixed ventilator 2x2x(0.684+0.212)   | 3.58         | M         |        |
|          |   |      |  | <b>11.22</b> | <b>Rm</b> |        |
|          |   |      | PVC felt   |              |           |        |
|          |   |      | Shutter both side 2x2x2.056  | <b>8.22</b>  | <b>Rm</b> |        |
|          |   |      | <b>MAIN DATA</b>   |              |           |        |
|          | 47.06   | Kg   | Aluminium Section including anodizing Charges  |              | Kg        |        |
|          | 0.85  | Sq.m | Prelaminated MDF board 12mm tk   |              | Sq.m      |        |
|          | 1.88  | Sq.m | Glass 5.50mm thick plain   |              | Sq.m      |        |
|          | 2.07  | Sq.m | Aluminium 10mm Grill of size   |              | Sq.m      |        |
|          | 11.22   | Rm   | Rubber beading   |              | Rm        |        |
|          | 8.22  | Rm   | PVC Felt 6mm thick   |              | Rm        |        |
|          | 3.60  | Sq.m | Labour Charges for fixing Aluminium Door   |              | Sq.m      |        |
|          | 1.00  | No   | Lock for Aluminium door  |              | Each      |        |
|          | 2.00  | Nos  | Alu. Tower Bolt 250mmx12mm   |              | Each      |        |
|          | 1.00  | No   | Alu. Tower Bolt 200mmx12mm   |              | Each      |        |
|          | 2.00  | Nos  | Aluminium door stopper   |              | Each      |        |
|          | 2.00  | Nos  | Hyd. Door closer   |              | Each      |        |
|          | 6.00  | Nos  | Alu. Hinges 100x30mm   |              | Each      |        |
|          |   |      | Sundries for Angles T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |
|          |   |      | Rate for 3.60 Sq.m (X)   |              |           |        |
|          |   |      | <b>Sub Total for 1 Sq.m (X1)</b>   |              |           |        |
|          |   |      | <b>Add water charges @1% of Sub Total X1</b>   |              |           |        |
|          |   |      | <b>Rate for 1 Sq.m</b>   |              |           |        |
| <b>a</b> | <b><u>Without Hydraulic Door closer and with Floor spring</u></b> |      |  |              |           |        |
|          |   |      | Rate for 3.60 m <sup>2</sup> as above (X) without water charges  |              |           |        |
|          |   |      | Deduct Hydraulic Door closer   |              |           |        |
|          |   |      | Add for Floor spring 2Nos  |              |           |        |
|          |   |      | Rate for 3.60 Sq.m   |              |           |        |

| Sl. No | Qty | Description of work  | Rate         | Per | Amount |
|--------|-----|--|--------------|-----|--------|
|        |     | <b>Sub Total for 1 Sq.m (X2)</b>   |              |     |        |
|        |     | <b>Add water charges @1% of Sub Total X2</b>   |              |     |        |
|        |     | <b>Rate for 1 Sq.m</b>   |              |     |        |
| 488    |     | Fabricating supplying and fixing in position of aluminium anodised natural colour matt finish <b>half panelled with 12mm thick bothside prelaminated partile board at bottom and half glazed using 5.50mm thick Plain glass at top double leaves door with 0.3m fixed ventilator at top.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18m at 2.319kg/m and with the Shutter frame made of section with Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m,Lock rail : 50x44.45x2.5mm @ 1.292 kg/m,Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m,Alu. Handle: 100x30mm @ 0.988 kg/m and Inner Frame of section 63.50x38x3 mm@1.72 kg/m and necessary accessories such as aluminium clips, rubber beading PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2Nos, aluminium tower bolt 200x12mm - 1No, aluminium door stopper with rubber bush - 2Nos ., lock-1No.,Hydraulic Door closer as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete.All Aluminium section shall be used in electrically controlled condition in accordance with ISI specification 1868/1962 for anodic film thickness of not less than 15 microns for glazing portion Aluminium sections and furniture fittings shall be got approved by the Executive Engineer incharge. |              |     |        |
|        |     | <b>1/2 panelled 1/2 glazed with top fixed glazing with grill</b>   |              |     |        |
|        |     | <b>Consider door size : 1.50x2.40 = 3.60Sq.m with top fixed glazing &amp; Aluminium grill.</b>   |              |     |        |
|        |     | <b><u>Outer frame :</u></b>  |              |     |        |
|        |     | Horizontal 2x1.412   | 2.824        | m   |        |
|        |     | Vertical 2x2.40  | 4.80         | m   |        |
|        |     |  | 7.624        |     |        |
|        |     | <b>Weight 7.624m x 2.319 kg/m</b>  | <b>17.68</b> | Kg  |        |
|        |     | Fixed ventilator @ 63.50x38x3mm @ 1.72kg/m   |              |     |        |
|        |     | Inner frame V = 0.212x1.72 kg/m  | 0.37         | kg  |        |
|        |     | <b><u>Shutter frame</u></b>  |              |     |        |
|        |     | Vertical 2x2x2.10x1.292 kg/m   | 10.85        | kg  |        |
|        |     | Top rail 1x2x0.618x1.292 kg/m  | 1.60         | kg  |        |
|        |     | Lock rail 1x2x0.618x1.292 kg/m   | 1.60         | kg  |        |
|        |     | Bottom rail 1x2x0.618x1.974 kg/m   | 2.44         | kg  |        |

| Sl. No | Qty | Description of work                         | Rate          | Per         | Amount |
|--------|-----|---|---------------|-------------|--------|
|        |     | <b>Handle 2x2x0.645x0.988 kg/m</b>          | <b>2.55</b>   | <b>Kg</b>   |        |
|        |     | <b>Aluminium clips</b>                      |               |             |        |
|        |     | Shutter panel section<br>2x2x2x(0.618+0.97) | 12.700        |             |        |
|        |     | Glass portion 2x2x2x(0.618+0.99)            | 12.86         |             |        |
|        |     | Fixed ventilator 2x2x2x(0.684+0.212)        | 7.17          |             |        |
|        |     |   | <b>32.703</b> | <b>Rm</b>   |        |
|        |     | Weight 32.703 x 0.176 kg/m                  | <b>5.76</b>   | <b>Kg</b>   |        |
|        |     | <b>Total weight of aluminium shutter</b>    | <b>42.85</b>  | <b>Kg</b>   |        |
|        |     | Add 10% wastage                             | 4.29          |             |        |
|        |     |   | <b>47.14</b>  | <b>Kg</b>   |        |
|        |     | <b>PLMDF Board 12mm thick</b>               |               |             |        |
|        |     | Bottom 2x0.618x0.97                         | 1.20          |             |        |
|        |     | Add 10% wastage                             | 0.12          |             |        |
|        |     |   | <b>1.32</b>   | <b>Sq.m</b> |        |
|        |     | <b>Aluminium Grill</b>                      |               |             |        |
|        |     | Shutter glazing 2x0.618x0.99                | 1.22          |             |        |
|        |     | For Fixed ventilator 2x0.684x0.212          | 0.29          |             |        |
|        |     |   | <b>1.51</b>   | <b>Sq.m</b> |        |
|        |     | Add 10% wastage                             | 0.15          |             |        |
|        |     |   | <b>1.66</b>   | <b>Sq.m</b> |        |
|        |     | Glass 5.50mm thick plain                    |               |             |        |
|        |     | Shutter Top 2x0.618x0.99                    | 1.22          |             |        |
|        |     | Fixed ventilator 2x0.684x0.212              | 0.29          |             |        |
|        |     |   | 1.51          |             |        |
|        |     | Add 20% wastage                             | 0.30          |             |        |
|        |     |   | <b>1.81</b>   | <b>Sq.m</b> |        |
|        |     | Rubber beading                              |               |             |        |
|        |     | Shutter Top 2x2x(0.618+0.99)                | 6.43          | Rm          |        |
|        |     | Fixed ventilator 2x2x(0.684+0.212)          | 3.58          | Rm          |        |

| Sl. No | Qty   |      | Description of work  | Rate         | Per       | Amount |
|--------|-------|------|--|--------------|-----------|--------|
|        |       |      |  | <b>10.01</b> | Rm        |        |
|        |       |      | PVC felt   |              |           |        |
|        |       |      | Shutter both side 2x2x2.056  | <b>8.22</b>  | <b>Rm</b> |        |
|        |       |      | <b>MAIN DATA</b>   |              |           |        |
|        | 47.14 | Kg   | Aluminium Section including anodizing Charges  |              | Kg        |        |
|        | 1.32  | Sq.m | Prelaminated MDF board 12mm tk   |              | Sq.m      |        |
|        | 1.81  | Sq.m | Glass 5.50mm thick plain   |              | Sq.m      |        |
|        | 1.66  | Sq.m | Aluminium Grill 10mm thick   |              | Sq.m      |        |
|        | 10.01 | Rm   | Rubber beading   |              | Rm        |        |
|        | 8.22  | Rm   | PVC Felt 6mm thick   |              | Rm        |        |
|        | 3.60  | Sq.m | Labour Charges for fixing Aluminium Door   |              | Sq.m      |        |
|        | 1.00  | No   | Lock for Aluminium door  |              | Each      |        |
|        | 2.00  | Nos  | Alu. Tower Bolt 250mmx12mm   |              | Each      |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm   |              | Each      |        |
|        | 2.00  | Nos  | Alu. Hydraulic Door closer   |              | Each      |        |
|        | 6.00  | Nos  | Alu. Hinges 100x30mm   |              | Each      |        |
|        | 2.00  | Nos  | Door stopper   |              | Each      |        |
|        |       | LS   | Sundries for angles T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |
|        |       |      | Rate for 3.60 Sq.m   |              |           |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>  |              |           |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>  |              |           |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |              |           |        |

| Sl. No | Qty | Description of work  | Rate         | Per       | Amount |
|--------|-----|--|--------------|-----------|--------|
| 489    |     | Fabricating Supplying and fixing in position <b>Aluminium anodised Natural color Matt finish door</b> of size 1.80mx2.40m having fixed ventilator at top of size 1.80x0.30m <b>double leaves openable shutter 1/3 panelled with 12mm thick best quality both sides prelaminate particle board &amp; 2/3 glazed with 5.5mm thick plain glass with 10mm thick aluminium grill.</b> The outer frame shall be with aluminium box section 101.60x44.45x3.18mm at 2.319kg/m and with the Shutter frame made of Vertical & Top rail: 50x44.45x2.50mm@1.292 kg/m, Bottom rail: 100x44.45x2.50mm@ 1.974 kg/m, Lock rail : 50x44.45x2.5mm @ 1.292 kg/m, Alu. Clips: 17.15x17.27x1.50mm @ 0.176 kg/m, Alu. Handle: 100x30mm @ 0.988 kg/m and Inner Frame of section 63.50x38x3 mm@1.72 kg/m and necessary accessories such as rubber beading, PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2Nos, aluminium tower bolt 200x12mm - 1No, aluminium door stopper with rubber bush - 2Nos., lock-1No., Hydraulic floor spring as per BIS standards including cost of all materials, labour charges and power consumption charges with required aluminium hinges, door stopper with following sectional specifications and the following shutter frames and necessary accessories such as aluminium clips, rubber beading PVC felt, handle for a length of shutter (both sides), locking arrangements, furniture fittings such as aluminium tower bolts-250x12mm - 2Nos, aluminium tower bolt 200x12mm - 1No, aluminium door stopper with rubber bush - 2Nos., lock-1No., Hydraulic Floor spring as per BIS standards including cost of all materials, labour charges and power consumption charges required for fabrication including chipping dismantling and making holes to the required extent in RCC in column/beam/masonry with power drill wherever necessary and redoing the damaged portion to the original condition after fixing etc. complete. All Aluminium section shall be used in electrically controlled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., complete. |              |           |        |
|        |     | <b>1/3 panelled 2/3 glazed with top fixed glazing with grill</b>   |              |           |        |
|        |     | <b>Door size : 1.80mx2.40m = 4.32Sq.m with top ventilator fixed glazing and aluminium grill.</b>   |              |           |        |
|        |     | Outer Frame :101.60x44.50x3.18mm @ 2.319kg/m   |              |           |        |
|        |     | <b>Outer frame :</b>   |              |           |        |
|        |     | Horizontal 2x1.712   | 3.424        | m         |        |
|        |     | Vertical 2x2.40  | 4.80         | m         |        |
|        |     |  | <b>8.224</b> | Rm        |        |
|        |     | <b>Weight 8.224x 2.319 kg/m</b>  | <b>19.07</b> | <b>Kg</b> |        |
|        |     | Fixed ventilator @ 63.50x38x3mm @ 1.72kg/m   |              |           |        |
|        |     | Inner frame V = 0.212x1.72 kg/m  | <b>0.36</b>  | <b>kg</b> |        |
|        |     | <b>Shutter frame</b>   |              |           |        |
|        |     | Vertical 2x2x2.10x1.292 kg/m   | 10.85        | Kg        |        |
|        |     | Top rail 1x2x0.768x1.292 kg/m  | 1.98         | Kg        |        |
|        |     | Lock rail 1x2x0.768x1.292 kg/m   | 1.98         | Kg        |        |

| Sl. No | Qty | Description of work                          | Rate         | Per         | Amount |
|--------|-----|--|--------------|-------------|--------|
|        |     | Bottom rail 1x2x0.768x1.974 kg/m             | 3.03         | Kg          |        |
|        |     | <b>Handle 2x2x0.645x0.988 kg/m</b>           | 2.55         | Kg          |        |
|        |     | <b>Aluminium clips @ .176 kg/m</b>           |              |             |        |
|        |     | Shutter panel section<br>2x2x2x(0.768+0.622) | 11.12        |             |        |
|        |     | Glass portion 2x2x2x(0.768+1.29)             | 16.46        |             |        |
|        |     | Fixed ventilator 2x2x2x(0.818+0.212)         | 8.24         |             |        |
|        |     |  | 35.82        | Rm          |        |
|        |     | Wiegth 35.82 x 0.176 kg/m                    | 6.30         | Kg          |        |
|        |     | <b>Total weight of aluminium shutter</b>     | <b>46.14</b> | Kg          |        |
|        |     | Add 10% wastage                              | <b>4.61</b>  |             |        |
|        |     |  | <b>50.75</b> | Kg          |        |
|        |     | <b>PLMDF Board 12mm thick</b>                |              |             |        |
|        |     | Bottom 1/3portion 2x0.768x0.622              | 0.96         |             |        |
|        |     | Add 10% wastage                              | 0.10         |             |        |
|        |     |  | <b>1.06</b>  | Sq.m        |        |
|        |     | <b>Glass 5.50mm thick plain</b>              |              |             |        |
|        |     | Shutter Top 2x0.768x1.29                     | 1.98         |             |        |
|        |     | Fixed ventilator 2x0.818x0.212               | 0.35         |             |        |
|        |     |  | <b>2.33</b>  | <b>Sq.m</b> |        |
|        |     | Add 20% wastage                              | <b>0.47</b>  |             |        |
|        |     |  | <b>2.80</b>  | <b>Sq.m</b> |        |
|        |     | Aluminium Grill 10mm size                    |              | Sq.m        |        |
|        |     | Shutter Top 2x0.768x1.29                     | 1.98         |             |        |
|        |     | Fixed ventilator 2x0.818x0.212               | 0.35         |             |        |
|        |     |  | 2.33         |             |        |
|        |     | Add 10% wastage                              | <b>0.23</b>  |             |        |
|        |     |  | <b>2.56</b>  | <b>Sq.m</b> |        |
|        |     | Rubber beading                               |              |             |        |
|        |     | Shutter Top 2x2x(0.768+1.29)                 | 8.23         | m           |        |

| Sl. No | Qty   |      | Description of work  | Rate         | Per       | Amount |
|--------|-------|------|--|--------------|-----------|--------|
|        |       |      | Fixed ventilator 2x2x(0.818+0.212)   | 4.12         | m         |        |
|        |       |      |  | <b>12.35</b> | <b>Rm</b> |        |
|        |       |      | PVC felt   |              |           |        |
|        |       |      | Shutter both side 2x2x2.056  | <b>8.22</b>  | <b>Rm</b> |        |
|        |       |      | <b>MAIN DATA</b>   |              |           |        |
|        | 50.75 | Kg   | Aluminium Section including anodizing Charges  |              | Kg        |        |
|        | 1.06  | Sq.m | Prelaminated MDF board 12mm tk   |              | Sq.m      |        |
|        | 2.80  | Sq.m | Glass 5.50mm thick plain   |              | Sq.m      |        |
|        | 2.56  | Sq.m | Aluminium Grill 10mm size  |              | Sq.m      |        |
|        | 12.35 | Rm   | Rubber beading   |              | Rm        |        |
|        | 8.22  | Rm   | PVC Felt 6mm thick   |              | Rm        |        |
|        | 4.32  | Sq.m | Labour Charges for fixing Aluminium Door   |              | Sq.m      |        |
|        | 1.00  | No   | Lock for Aluminium door  |              | Each      |        |
|        | 2.00  | Nos  | Alu. Tower Bolt 250mmx12mm   |              | Each      |        |
|        | 1.00  | No   | Alu. Tower Bolt 200mmx12mm   |              | Each      |        |
|        | 2.00  | Nos  | Aluminium door stopper   |              | Each      |        |
|        | 2.00  | Nos  | Hyd.Floor spring   |              | Each      |        |
|        | 6.00  | Nos  | Alu. Hinges 100x30mm   |              | Each      |        |
|        |       | LS   | Sundries for Angles T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |
|        |       |      | Rate for 4.32 Sq.m   |              |           |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>  |              |           |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>  |              |           |        |
|        |       |      | <b>Rate for 1 Sq.m</b>   |              |           |        |

| Sl. No | Qty | Description of work   | Rate         | Per  | Amount |
|--------|-----|---|--------------|------|--------|
| 490    |     | Supplying, fabricating and fixing in position of Aluminium anodised natural colour matt finish of <b>single leaf fully panelled sliding door</b> with 12mm thick bothside prelaminated partile board at the Shutter bottom rail:100x44.45x2.50mm@1.974 kg/m,Top & Verticle 50x44.45x2.50mm @ 1.292 kg/m,Lock rail 50x44.45x2.50mm @ 1.292 g/m, Running channel section:50x44.45x2.50mm@1.292 kg/m, and necessary accessories such as Alu.clips 17.15x17.27x1.50mm @ 0.176 kg, Alu handle 100x30mm @ 0.988 kg/mfull length of handles on both sides, lock, roller, including cost of materials, labour charges and power consumption charges required for fabrication including chipping, dismantling and waking hole to the required extent in RCC column, beam masonry with power drill wherever necessary and redoing the damaged portion to the original condition afterfixing etc. complete. All the Alu. sections are to be anodised.with matt finish under electically contolled condition in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc., |              |      |        |
|        |     | <b>Fully panelled sliding door</b>  |              |      |        |
|        |     | Consider a size of door :1.00mx2.10m  |              |      |        |
|        |     | <b>Shutter frame</b>  |              |      |        |
|        |     | Vertical 1x2x2.10x1.292 kg/m  | <b>5.43</b>  |      |        |
|        |     | Top rail 1x1x1.00x1.292 kg/m  | <b>1.29</b>  |      |        |
|        |     | Lock rail 1x1x0.911x1.292 kg/m  | <b>1.18</b>  |      |        |
|        |     | Bottom rail 1x1x1x1.974 kg/m  | <b>1.97</b>  |      |        |
|        |     | Running channel : 1x2x1x1.292 kg/m  | <b>2.58</b>  |      |        |
|        |     | Handle 2x0.85x0.988 kg/m  | <b>1.68</b>  |      |        |
|        |     | Total   | <b>14.13</b> | Kg   |        |
|        |     | <b>Aluminium clips</b>  |              |      |        |
|        |     | Shutter portion(0.911+0.983)<br>x2x2x2=15.152x0.176kg/m   | <b>2.67</b>  | Kg   |        |
|        |     | <b>Total weight of Aluminium</b>  | <b>16.80</b> | Kg   |        |
|        |     | Add 10% wastage   | <b>1.68</b>  |      |        |
|        |     |   | <b>18.48</b> | Kg   |        |
|        |     | <b>MDF Board</b>  |              |      |        |
|        |     | shutter 2x0.911x0.983   | <b>1.79</b>  |      |        |
|        |     | Add 10% wastage   | <b>0.18</b>  |      |        |
|        |     |   | <b>1.97</b>  | Sq.m |        |
|        |     | <b>PVC felt</b>   |              |      |        |
|        |     | Shutter both side 2x2.056   | 4.11         | Rm   |        |

| Sl. No | Qty   |      | Description of work                                   | Rate | Per  | Amount |
|--------|---|------|---|------|------|--------|
|        |   |      | <b>MAIN DATA</b>                                      |      |      |        |
|        | 18.48   | Kg   | Aluminium Section including anodizing Charges         |      | Kg   |        |
|        | 1.97  | Sq.m | Prelaminated MDF board 12mm tk                        |      | Sq.m |        |
|        | 4.11  | Rm   | PVC Felt 6mm thick                                    |      | Rm   |        |
|        | 2.10  | Sq.m | Labour Charges for fixing Aluminium Door              |      | Sq.m |        |
|        | 4.00  | Nos  | Roller  |      | Nos  |        |
|        | 1.00  | No   | Lock for Aluminium Door                               |      | Nos  |        |
|        |   |      | Sundries for Lock screws conveyance Power supply etc. |      | LS   |        |
|        |   |      | Rate for 2.10 Sq.m                                    |      |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>                       |      |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>           |      |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>                                |      |      |        |
|        |   |      |   |      |      |        |
|        |   |      | <b>ALUMINIUM WINDOW</b>                               |      |      |        |
| 491    | Fabricating Supplying and fixing in position of <b>Aluminium anodized natural colour matt finish Two panels openable type window</b> in all floors with aluminium sections of the Outer frame: 37.70x33x2mm @ 0.50 kg/m, Centre mullions:59x33x2.50mm @0.936 kg/m, Shutter frame : Z section 24.50x33x3mm @ 0.525kg/m, Aluminium clips:0.109 kg/m with necessary accssories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original conditons after fixing and also as directed. All the Aluminium sections are to the anodised with matt finish under electrically controlled conditons in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc.Complete. |      |   |      |      |        |
|        |   |      | <b>Assume a size 1.20x1.30 m = 1.56 Sq.m</b>          |      |      |        |
|        |   |      | <b>Outer frame</b>                                    |      |      |        |
|        |   |      | Vertical : 1x2x1.30 = 2.60                            |      |      |        |
|        |   |      | Horizontal : 1x2x1.20 = 2.40                          |      |      |        |
|        |   |      | 5.00 x0.50kg/m  | 2.50 | Kg   |        |
|        |   |      | Centre mullians: 1x1x1.225=1.225x0.936 kg/m           | 1.15 | Kg   |        |
|        |   |      | <b>Shutter :</b>                                      |      |      |        |
|        |   |      | Vertical : 2x2x1.225                                  | 4.90 |      |        |

| Sl. No | Qty  |      | Description of work  | Rate        | Per         | Amount |
|--------|------|------|--|-------------|-------------|--------|
|        |      |      | Horizontal : 2x2x0.533   | 2.13        |             |        |
|        |      |      |  | <b>7.03</b> | <b>Rm</b>   |        |
|        |      |      | 7.02Rmx0.525kg/m   | 3.69        | Kg          |        |
|        |      |      | <b>Aluminium clips =<br/>2x2x2(0.533+1.225)<br/>=14.06Rmx0.109 Kg/m</b>                      | 1.53        | Kg          |        |
|        |      |      | <b>Total</b>   | 8.87        | Kg          |        |
|        |      |      | Add 10% wastage  | 0.90        | Kg          |        |
|        |      |      |  | <b>9.77</b> | <b>Kg</b>   |        |
|        |      |      | <b>4mm thick Plain Glass</b>   |             |             |        |
|        |      |      | 1x2(0.53x1.225)  | 1.31        | Sq.m        |        |
|        |      |      | Add 20% wastage  | 0.26        | Sq.m        |        |
|        |      |      |  | <b>1.57</b> | <b>Sq.m</b> |        |
|        |      |      | <b>Rubber beading</b>  |             |             |        |
|        |      |      | 2x1x2(0.53+1.225)  | <b>7.03</b> | <b>Rm</b>   |        |
|        |      |      | <b>MAIN DATA</b>   |             |             |        |
|        | 9.77 | Kg   | Aluminium Section including anodizing Charges  |             | Kg          |        |
|        | 1.57 | Sq.m | 4mm thick Glass required   |             | Sq.m        |        |
|        | 7.03 | Rm   | Rubber beading   |             | Rm          |        |
|        | 1.56 | Sq.m | Labour Charges for fixing Aluminium Window   |             | Sq.m        |        |
|        | 4.00 | Nos  | Alu. Tower Bolt 100mmx10mm   |             | Each        |        |
|        | 2.00 | Nos  | Alu. Handle 100mm long   |             | Each        |        |
|        | 4.00 | Nos  | Special Hinges 100x30mm  |             | Each        |        |
|        |      | LS   | Sundries for angles screws dismantling Redoing to good condition including Power supply etc. |             | LS          |        |
|        |      |      | Rate for 1.56 Sq.m   |             |             |        |
|        |      |      | <b>Sub Total for 1 Sq.m (X)</b>  |             |             |        |
|        |      |      | <b>Add water charges @1% of Sub Total X</b>  |             |             |        |
|        |      |      | <b>Rate for 1 Sq.m</b>   |             |             |        |

| Sl. No | Qty | Description of work  | Rate        | Per         | Amount |
|--------|-----|--|-------------|-------------|--------|
| 492    |     | Fabricating Supplying and fixing in position of <b>Aluminium anodized natural colour matt finish two panels openable type window with Aluminium grill of 10mm thick</b> in all floors with aluminium sections of Outer frame: 37.70x33x2mm @ 0.50 kg/m, Centre mullions: 59x33x2.50mm @ 0.936 kg/m, Shutter frame : Z section 24.50x33x3mm @ 0.525kg/m, Aluminium clips: 0.109 kg/m and with necessary accessories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original conditions after fixing and also as directed. All the Aluminium sections are to be anodised with matt finish under electrically controlled conditions in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc. Complete. |             |             |        |
|        |     | <b>Two panels with Aluminium grill of 10mm thick</b>   |             |             |        |
|        |     | <b>Assume a size 1.20x1.30 m = 1.56 Sq.m</b>   |             |             |        |
|        |     | <b>Vertical : 1x2x1.30 = 2.60</b>  |             |             |        |
|        |     | Horizontal: 1x2x1.20 = 2.40  |             |             |        |
|        |     | 5.00<br>Rmx0.50kg/m  | 2.50        | Kg          |        |
|        |     | Centre mullians: 1x1x1.25=1.225x0.936 kg/m   | 1.15        | Kg          |        |
|        |     | <b>Shutter :</b>   |             |             |        |
|        |     | Vertical : 2x2x1.225   | 4.90        |             |        |
|        |     | Horizontal : 2x2x0.533   | 2.13        |             |        |
|        |     |  | <b>7.03</b> | <b>Rm</b>   |        |
|        |     | 7.02Rmx0.525kg/m   | 3.69        | Kg          |        |
|        |     | <b>Aluminium clips = 2x2x2(0.53+1.225) = 14.04Rmx0.109 Kg/m</b>  | 1.53        | Kg          |        |
|        |     | <b>Total</b>   | 8.87        | Kg          |        |
|        |     | Add 10% wastage  | 0.90        | Kg          |        |
|        |     |  | <b>9.77</b> | <b>Kg</b>   |        |
|        |     | <b>4mm thick Plain Glass</b>   |             |             |        |
|        |     | 1x2(0.53x1.225)  | 1.31        | Sq.m        |        |
|        |     | Add 20% wastage  | 0.26        | Sq.m        |        |
|        |     |  | <b>1.57</b> | <b>Sq.m</b> |        |
|        |     | <b>Rubber beading</b>  |             |             |        |
|        |     | 2x1x2(0.53+1.225)  | <b>7.03</b> | <b>Rm</b>   |        |

| Sl. No | Qty  |      | Description of work  | Rate        | Per         | Amount |
|--------|--|------|--|-------------|-------------|--------|
|        |  |      | <b>Alu. Grill of 10mm thick</b>  |             |             |        |
|        |  |      | 2x0.533x1.225  | 1.31        | Sq.m        |        |
|        |  |      | Add 10% wastage  | 0.13        | Sq.m        |        |
|        |  |      |  | <b>1.44</b> | <b>Sq.m</b> |        |
|        | <b>MAIN DATA</b>   |      |  |             |             |        |
|        | 9.77   | Kg   | Aluminium Section including anodizing Charges  |             | Kg          |        |
|        | 1.57   | Sq.m | 4mm thick Glass required   |             | Sq.m        |        |
|        | 7.03   | Rm   | Rubber beading   |             | Rm          |        |
|        | 1.56   | Sq.m | Labour Charges for fixing Aluminium Window   |             | Sq.m        |        |
|        | 4.00   | Nos  | Alu. Tower Bolt 100mmx10mm   |             | Each        |        |
|        | 2.00   | Nos  | Alu. Handle 100mm long   |             | Each        |        |
|        | 4.00   | Nos  | Special Hinges 100x30mm  |             | Each        |        |
|        | 1.44   | Sq.m | Aluminium grill 10mm thick   |             | Sq.m        |        |
|        |  | LS   | Sundries for angles screws dismantling Redoing to good condition including Power supply etc. |             | LS          |        |
|        |  |      | Rate for 1.56 Sq.m   |             |             |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>  |             |             |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>  |             |             |        |
|        |  |      | <b>Rate for 1 Sq.m</b>   |             |             |        |
| 493    | Fabricating Supplying and fixing in position of <b>Aluminium anodized natural colour matt finish Two Panels openable type window with fixed Ventilator at Top at 0.30 m height</b> in all floors with aluminium sections of Outer frame: 37.70x33x2mm @ 0.50 kg/m, Centre mullions: 59x33x2.50mm @0.936 kg/m, Shutter frame : Z section 24.50x33x3mm @ 0.525kg/m, Aluminium clips:0.109 kg/m and with necessary accessories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original conditions after fixing and also as directed. All the Aluminium sections are to be anodised with matt finish under electrically controlled conditions in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc complete. |      |  |             |             |        |
|        |  |      | <b>Two Panels with fixed glazing ventilator of 0.30m ht at top</b>                           |             |             |        |
|        |  |      | <b>Size of window : 1.20x1.60 = 1.92Sq.m</b>   |             |             |        |

| Sl. No | Qty | Description of work  | Rate         | Per         | Amount |
|--------|-----|--|--------------|-------------|--------|
|        |     | <b><u>Outer frame</u></b>  |              |             |        |
|        |     | Vertical : 1x2x1.60 = 3.20   |              |             |        |
|        |     | Horizontal : 1x2x1.20 = 2.40   |              |             |        |
|        |     | 5.60Rmx0.50kg/m  | 2.80         | Kg          |        |
|        |     | Centre mullians: 1x1.225   | 1.225        |             |        |
|        |     | Fixed Glazing  |              |             |        |
|        |     | Vertical : 1x0.2.70  | 0.2.70       |             |        |
|        |     | Horizontal : 1x1.125   | 1.125        |             |        |
|        |     |  | 1.392        | Rm          |        |
|        |     | 1.392x0.936 kg/m   |              | Kg          |        |
|        |     | <b><u>Shutter :</u></b>  |              |             |        |
|        |     | Vertical : 2x2x1.225   | 4.90         |             |        |
|        |     | Horizontal : 2x2x0.533   | 2.13         |             |        |
|        |     |  | <b>7.03</b>  | <b>Rm</b>   |        |
|        |     | 7.03Rmx0.525kg/m   | 3.70         | Kg          |        |
|        |     | <b>Aluminium clips = shutter: 2x2x2<br/>(0.533+1.229) = 14.10Rmx0.109<br/>Kg/m</b> | 1.54         | Kg          |        |
|        |     | <b>Fixed glazing 2x2x2(0.533+0.2.70)<br/>=6.40Rmx0.109 Kg/m</b>                    | <b>0.70</b>  | Kg          |        |
|        |     | <b>Total</b>   | 11.18        | Kg          |        |
|        |     | Add 10% wastage  | 1.12         | Kg          |        |
|        |     |  | <b>12.30</b> | <b>Kg</b>   |        |
|        |     | <b>4mm thick Plain Glass</b>   |              |             |        |
|        |     | For shutter 1x2(0.533x1.229)   | 1.31         | Sq.m        |        |
|        |     | Fixed glazing 1x2(0.533x1.2.70)  | 0.28         |             |        |
|        |     |  | <b>1.59</b>  | <b>Sq.m</b> |        |
|        |     | Add 20% wastage  | 0.31         | Sq.m        |        |
|        |     |  | <b>1.90</b>  | <b>Sq.m</b> |        |
|        |     | <b><u>Rubber beading</u></b>   |              |             |        |
|        |     | For shutter 2x2(0.533+1.229)   | 7.05         |             |        |

| Sl. No | Qty   |      | Description of work   | Rate         | Per       | Amount |
|--------|---|------|---|--------------|-----------|--------|
|        |   |      | Fixed glazing 2x2(0.533+0.2.70)   | 3.20         |           |        |
|        |   |      |   | <b>10.25</b> | <b>Rm</b> |        |
|        |   |      | <b>MAIN DATA</b>  |              |           |        |
|        | 12.30   | Kg   | Aluminium Section including anodizing   |              | Kg        |        |
|        | 1.90  | Sq.m | 4mm thick Glass required  |              | Sq.m      |        |
|        | 10.25   | Rm   | Rubber beading  |              | Rm        |        |
|        | 1.92  | Sq.m | Labour Charges for fixing Aluminium Window  |              | Sq.m      |        |
|        | 4.00  | Nos  | Alu. Tower Bolt 100mmx10mm  |              | Each      |        |
|        | 2.00  | Nos  | Alu. Handle 100mm long  |              | Each      |        |
|        | 4.00  | Nos  | Special Hinges 100x30mm   |              | Each      |        |
|        |   | LS   | Sundries for T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |
|        |   |      | Rate for 1.92 Sq.m  |              |           |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>   |              |           |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>   |              |           |        |
|        |   |      | <b>Rate for 1 Sq.m</b>  |              |           |        |
| 494    | <p>Fabricating Supplying and fixing in position of Aluminium anodized natural colour matt finish <b>Two Panels with fixed glazing ventilator of 0.30m ht at top with alu. Grill of 10 mm thick</b> openable type window in all floors with aluminium sections of Outer frame: 37.70x33x2mm @ 0.50 kg/m, Centre mullions:59x33x2.50mm @0.936 kg/m, Shutter frame : Z section 24.50x33x3mm @ 0.525kg/m, Aluminium clips:0.109 kg/m and with necessary accssories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC colun slab, masonry walls sherever necessary with power drills to the required extent and make good to the original conditons after fixing and also as directed. All the Aluminium sections are to the anodised with matt finish under electrically controlled conditons in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc.Complete.</p> |      |   |              |           |        |
|        |   |      | <b>Size of window : 1.20x1.60 = 1.92Sq.m</b>  |              |           |        |
|        |   |      | Outer frame   |              |           |        |
|        |   |      | Vertical : 1x2x1.60 = 3.20  |              |           |        |
|        |   |      | Horizontal : 1x2x1.20 = 2.40  |              |           |        |
|        |   |      | =5.60m  |              |           |        |
|        |   |      | 5.60Rmx0.50kg/m   |              |           |        |
|        |   |      | 5.60x0.50 kg/m  | 2.80         | Kg        |        |

| Sl. No | Qty | Description of work   | Rate   | Per  | Amount |
|--------|-----|---|--------|------|--------|
|        |     | Centre mullians: $1 \times 1.225 = 1.225$   | 1.225  |      |        |
|        |     | Fixed Glazing   |        |      |        |
|        |     | Vertical : $1 \times 0.2.70 = 0.2.70$   | 0.2.70 |      |        |
|        |     | Horizontal : $1 \times 1.125 = 1.125$   | 1.125  |      |        |
|        |     |   | 2.617  | Kg   |        |
|        |     | $2.617 \times 0.936$ kg/m   | 2.450  | Kg   |        |
|        |     | <u>Shutter :</u>  |        |      |        |
|        |     | Vertical : $2 \times 2 \times 1.225 = 4.90$   | 4.90   |      |        |
|        |     | Horizontal : $2 \times 2 \times 0.533 = 2.13$   | 2.13   |      |        |
|        |     |   | 7.03   | Rm   |        |
|        |     | $7.03 \text{Rm} \times 0.525$ kg/m  | 3.69   | Kg   |        |
|        |     | Aluminium clips = shutter:<br>$2 \times 2 \times 2(0.533 + 1.225) = 14.06 \text{Rm} \times 0.109$<br>Kg/m | 1.53   | Kg   |        |
|        |     | Fixed glazing $2 \times 2 \times 2(0.533 + 0.2.70) = 6.40 \text{Rm} \times 0.109$<br>Kg/m                 | 0.70   | Kg   |        |
|        |     | Total   | 11.18  | Kg   |        |
|        |     | Add 10% wastage   | 1.12   | Kg   |        |
|        |     |   | 12.30  | Kg   |        |
|        |     | 4mm thick Plain Glass   |        |      |        |
|        |     | For shutter $1 \times 2(0.533 \times 1.225)$  | 1.31   | Sq.m |        |
|        |     | Fixed glazing $1 \times 2(0.533 \times 0.2.70)$   | 0.28   |      |        |
|        |     |   | 1.59   | Sq.m |        |
|        |     | Add 20% wastage   | 0.31   | Sq.m |        |
|        |     |   | 1.90   | Sq.m |        |
|        |     | <u>Rubber beading</u>   |        |      |        |
|        |     | ,   | 7.05   |      |        |
|        |     | Fixed glazing $2 \times 2(0.533 + 0.2.70)$  | 3.20   |      |        |
|        |     |   | 10.25  | Rm   |        |
|        |     | Alu.Grill of 10mm thick   |        |      |        |
|        |     | For shutter $2 \times 0.533 \times 1.225$   | 1.31   | Sq.m |        |

| Sl. No | Qty   |      | Description of work  | Rate | Per  | Amount |
|--------|---|------|--|------|------|--------|
|        |   |      | Fixed grill 2x0.5333x0.2.70  | 0.28 | Sq.m |        |
|        |   |      |  | 1.59 | Sq.m |        |
|        |   |      | Add 10% wastage  | 0.16 | Sq.m |        |
|        |   |      |  | 1.75 | Sq.m |        |
|        | <b>MAIN DATA</b>  |      |  |      |      |        |
|        | 12.30   | Kg   | Aluminium Section including anodizing  |      | Kg   |        |
|        | 1.90  | Sq.m | 4mm thick Glass required   |      | Sq.m |        |
|        | 10.25   | Rm   | Rubber beading   |      | Rm   |        |
|        | 1.92  | Sq.m | Labour Charges for fixing Aluminium Ventilator                               |      | Sq.m |        |
|        | 4.00  | Nos  | Alu. Tower Bolt 100mmx10mm   |      | Each |        |
|        | 2.00  | Nos  | Alu. Handle 100mm long   |      | Each |        |
|        | 4.00  | Nos  | Special Hinges 100x30mm  |      | Each |        |
|        | 1.75  | Sq.m | Aluminium grill 10mm thick   |      | Sq.m |        |
|        |   | LS   | Alu.screws dismantling Redoing to good condition including Power supply etc. |      | LS   |        |
|        |   |      | Rate for 1.92 Sq.m   |      |      |        |
|        |   |      | <b>Sub Total for 1 Sq.m (X)</b>  |      |      |        |
|        |   |      | <b>Add water charges @1% of Sub Total X</b>                                  |      |      |        |
|        |   |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| 495    | <p>Fabricating Supplying and fixing in position of <b>Aluminium anodized natural colour matt finish Three panels openable type window</b> wth <b>Aluminium Grill 10 mm thick</b> in all floors with aluminium sections of Outer frame: 37.70x33x2mm @ 0.50 kg/m, Centre mullions:59x33x2.50mm @0.936 kg/m,Shutter frame : Z section 24.50x33x3mm @ 0.525kg/m,Aluminium clips:0.109 kg/m with necessary accssories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original conditons after fixing and also as directed. All the Aluminium sections are to the anodised with matt finish under electrically controlled conditons in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc.Complete.</p> |      |  |      |      |        |
|        |   |      | <b>Assume a size 1.50x1.30 m =1.95 Sq.m</b>                                  |      |      |        |
|        |   |      | <b><u>H-section for outer frame</u></b><br>37.70x33x2mm@ 0.50kg/m            |      |      |        |
|        |   |      | Vertical 2x1.30  | 2.60 |      |        |
|        |   |      | Horizontal 2x1.50  | 3.00 |      |        |

| Sl. No | Qty   |      | Description of work                                       | Rate         | Per         | Amount |
|--------|-------|------|---|--------------|-------------|--------|
|        |       |      | 5.60x0.50   | <b>2.80</b>  | <b>Kg</b>   |        |
|        |       |      | <b>Centre mullion</b> 59x33x2.50mm @ 0.936kg/m            |              |             |        |
|        |       |      | 1x2x1.225   | 2.45         |             |        |
|        |       |      | 2.45x0.936kg/m  | 2.29         | Kg          |        |
|        |       |      | <b>Z-section for shutter</b><br>:24.5x33x2.50mm@0.525kg/m |              |             |        |
|        |       |      | Shutter vertical 3x2x1.225                                | 7.35         |             |        |
|        |       |      | Horizontal 3x2x0.409                                      | <b>2.45</b>  |             |        |
|        |       |      | 9.80x0.525 kg/m   | <b>5.15</b>  | <b>Kg</b>   |        |
|        |       |      | <b>Aluminium clips required</b>                           |              |             |        |
|        |       |      | Shutter 2x3x2 (1.225+0.409)                               | 19.61        |             |        |
|        |       |      | 19.61x0.109 kg/m  | <b>2.14</b>  | <b>Kg</b>   |        |
|        |       |      | <b>Total</b>  | <b>12.38</b> | <b>Kg</b>   |        |
|        |       |      | Add 10% wastage   | <b>1.24</b>  | <b>Kg</b>   |        |
|        |       |      |   | <b>13.62</b> | <b>Kg</b>   |        |
|        |       |      | <b>4mm thick Glass required</b>                           |              |             |        |
|        |       |      | Shutter 1x3x1.225x0.409                                   | 1.50         |             |        |
|        |       |      | Add 20% wastage   | 0.30         | Sq.m        |        |
|        |       |      |   | <b>1.80</b>  | <b>Sq.m</b> |        |
|        |       |      | <b>Rubber beading</b>                                     |              |             |        |
|        |       |      | Shutter 2x3(1.225+0.409)                                  | 9.80         | Rm          |        |
|        |       |      | <b>Alu.Grill of 10mm thick</b>                            |              |             |        |
|        |       |      | For shutter 1x3x1.225x0.409                               | 1.50         |             |        |
|        |       |      | Add 10% wastage   | 0.15         | Sq.m        |        |
|        |       |      |   | <b>1.65</b>  | <b>Sq.m</b> |        |
|        |       |      | <b>MAIN DATA</b>  |              |             |        |
|        | 13.62 | Kg   | Aluminium Section including anodizingCharges              |              | Kg          |        |
|        | 1.80  | Sq.m | 4mm thick Glass required                                  |              | Sq.m        |        |
|        | 9.80  | Rm   | Rubber beading  |              | Rm          |        |

| Sl. No   | Qty  |      | Description of work   | Rate | Per  | Amount |
|----------|--|------|---|------|------|--------|
|          | 1.95   | Sq.m | Labour Charges for fixing Aluminium Window                        |      | Sq.m |        |
|          | 6.00   | Nos  | Alu. Tower Bolt 100mmx10mm  |      | Each |        |
|          | 6.00   | Nos  | Alu. Hinges 100x30mm  |      | Each |        |
|          | 3.00   | Nos  | Alu. Handle 100mm long  |      | Each |        |
|          | 1.65   | Sq.m | Aluminium grill 10mm thick  |      | Each |        |
|          |  |      | Alu. Angles, screws, dismantling and making good condition        |      | LS   |        |
|          |  |      | Rate for 1.95 Sq.m (X)  |      |      |        |
|          |  |      | <b>Sub Total for 1 Sq.m (X1)</b>                                  |      |      |        |
|          |  |      | <b>Add water charges @1% of Sub Total X1</b>                      |      |      |        |
|          |  |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| <b>a</b> | <b><u>Without Aluminium Grill</u></b>  |      |   |      |      |        |
|          |  |      | Rate for 1.95 m <sup>2</sup> as above (X) without water charges   |      |      |        |
|          |  |      | Deduct Alu.Grill  |      |      |        |
|          |  |      | Rate for 1.95 Sq.m  |      |      |        |
|          |  |      | <b>Sub Total for 1 Sq.m (X2)</b>                                  |      |      |        |
|          |  |      | <b>Add water charges @1% of Sub Total X2</b>                      |      |      |        |
|          |  |      | <b>Rate for 1 Sq.m</b>  |      |      |        |
| 496      | <p>Fabricating Supplying and fixing in position of Aluminium anodized natural colour matt finish <b>Openable type glass window (3 leaves) with fixed glazing at top to a height of 0.3m with aluminium grill for glazed portion</b> in all floors having the Aluminium section such as outer frame of section (418/code) of 37.70x33mmx2mm @ 0.50kg/m, center mullions of (code 9153,2.50mm thick) 59x33x2.5mm @ 0.936kg/m,Z section of having 24.00mm vertical and width of 33mm @2.50mm thick.Confirming to code No 4152@0.525kg/m Aluminium clips of 3.60 length having total weight of 0.40kg or 0.109kg/m with necessary accssories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original conditons after fixing and also as directed. All the Aluminium sections are to the anodised with matt finish under electrically controlled conditons in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc.Complete.</p> |      |   |      |      |        |
|          |  |      | <b>Adopting a window of 1.50x1.30m with 0.3m top glazing.</b>     |      |      |        |
|          |  |      | Area = 1.50x1.60 = 2.40 Sq.m                                      |      |      |        |
|          |  |      | <b><u>H- section for outer frame</u></b><br>37.70x33x2mm@0.50kg/m |      |      |        |

| Sl. No | Qty | Description of work                                       | Rate         | Per       | Amount |
|--------|-----|---|--------------|-----------|--------|
|        |     | Vertical 2x1.60   | 3.20         | Rm        |        |
|        |     | Horizontal 2x1.50   | 3.00         | Rm        |        |
|        |     | 6.20x0.50 kg/m  | <b>3.10</b>  | <b>Kg</b> |        |
|        |     | <b>Centre mullion</b> 59x33x2.50mm @ 0.936kg/m            |              |           |        |
|        |     | Shutter 2x1.229   | 2.458        | m         |        |
|        |     | Fixed grill Horizontal 1x1.425                            | <b>1.425</b> | m         |        |
|        |     | Vertical 2x0.2.70   | <b>0.534</b> | m         |        |
|        |     | 4.417x0.936 kg/m  | <b>4.13</b>  | <b>Kg</b> |        |
|        |     | <b>Z-section for shutter</b><br>:24.5x33x2.50mm@0.525kg/m |              |           |        |
|        |     | Shutter vertical 3x2x1.229                                | 7.37         |           |        |
|        |     | Horizontal 3x2x0.409                                      | <b>2.45</b>  |           |        |
|        |     | 9.82x0.525 kg/m   | <b>5.16</b>  | <b>Kg</b> |        |
|        |     | <b>Aluminium clips required</b>                           |              |           |        |
|        |     | Shutter 2x3x2 (1.229+0.409)                               | 19.66        |           |        |
|        |     | Fixed grill 2x3x2 (0.409+0.2.70)                          | <b>8.11</b>  |           |        |
|        |     | 27.77x0.109 kg/m  | <b>3.03</b>  | <b>Kg</b> |        |
|        |     | <b>Total</b>  | <b>15.42</b> | <b>Kg</b> |        |
|        |     | Add 10% wastage   | <b>1.54</b>  | <b>Kg</b> |        |
|        |     |   | <b>16.96</b> | <b>Kg</b> |        |
|        |     | <b>4mm thick Glass required</b>                           |              |           |        |
|        |     | Shutter 1x3x1.229x0.409                                   | 1.51         |           |        |
|        |     | Fixed grill 2x3x0.409x0.2.70                              | <b>0.33</b>  |           |        |
|        |     |   | <b>1.84</b>  | Sq.m      |        |
|        |     | Add 20% wastage   | 0.37         | Sq.m      |        |
|        |     |   | <b>2.21</b>  | Sq.m      |        |
|        |     | <b>Rubber beading</b>                                     |              |           |        |
|        |     | Shutter 2x3(1.229+0.409)                                  | 9.83         |           |        |
|        |     | Fixed grill 1x3(0.409+0.2.70)                             | 4.06         |           |        |
|        |     |   | <b>13.89</b> | <b>Rm</b> |        |

| Sl. No   | Qty                                   |      | Description of work   | Rate        | Per         | Amount |
|----------|---------------------------------------|------|---|-------------|-------------|--------|
|          |                                       |      | <b>Alu.Grill of 10mm thick</b>  |             |             |        |
|          |                                       |      | For shutter 1x3x1.229x0.409   | 1.51        | Sq.m        |        |
|          |                                       |      | Fixed gril 1x3x0.409x0.2.70   | 0.33        |             |        |
|          |                                       |      |   | 1.84        |             |        |
|          |                                       |      | Add 10% wastage   | 0.18        | Sq.m        |        |
|          |                                       |      |   | <b>2.02</b> | <b>Sq.m</b> |        |
|          |                                       |      | <b>MAIN DATA</b>  |             |             |        |
|          | 16.96                                 | Kg   | Aluminium Section including anodizing Charges                           |             | Kg          |        |
|          | 2.20                                  | Sq.m | 4mm thick Glass required  |             | Sq.m        |        |
|          | 13.89                                 | Rm   | Rubber beading  |             | Rm          |        |
|          | 2.40                                  | Sq.m | Labour Charges for fixing Aluminium Window                              |             | Sq.m        |        |
|          | 6.00                                  | Nos  | Alu. Tower Bolt 100mmx10mm  |             | Each        |        |
|          | 6.00                                  | Nos  | Alu. Hinges 100x30mm  |             | Each        |        |
|          | 3.00                                  | Nos  | Alu. Handle 100mm long  |             | Each        |        |
|          | 2.02                                  | Sq.m | Aluminium grill   |             | Sq.m        |        |
|          |                                       | LS   | Alu. Angles, screws, dismantling and redoing the same in good condition |             | LS          |        |
|          |                                       |      | Rate for 2.40 Sq.m (X)  |             |             |        |
|          |                                       |      | <b>Sub Total for 1 Sq.m (X1)</b>  |             |             |        |
|          |                                       |      | <b>Add water charges @1% of Sub Total X1</b>                            |             |             |        |
|          |                                       |      | <b>Rate for 1 Sq.m</b>  |             |             |        |
| <b>a</b> | <b><u>Without Aluminium Grill</u></b> |      |   |             |             |        |
|          |                                       |      | Rate for 2.34 m <sup>2</sup> as above (X) without water charges         |             |             |        |
|          |                                       |      | Deduct Alu.Grill  |             |             |        |
|          |                                       |      | Rate for 2.40 Sq.m  |             |             |        |
|          |                                       |      | <b>Sub Total for 1 Sq.m (X2)</b>  |             |             |        |
|          |                                       |      | <b>Add water charges @1% of Sub Total X2</b>                            |             |             |        |
|          |                                       |      | <b>Rate for 1 Sq.m</b>  |             |             |        |

| Sl. No | Qty | Description of work  | Rate         | Per       | Amount |
|--------|-----|--|--------------|-----------|--------|
| 497    |     | Supplying fabricating and fixing in position of Aluminium anodized natural colour matt finish <b>openable type glass window Four leaves</b> in all floors having the following Aluminium section such as outer frame of section (418/code) of 37.70x33mmx2mm @ 0.50kg/m, central mullions of (code 9153,2.50mm thick) 59x33x2.5mm @ 0.936kg/m,Z section of having 21mm 24.50mm vertical and width of 33mm @2.50mm thick. Confirming to code No 4152@0.525kg/m Aluminium clips of 3.60 length having total weight of 0.40kg or 0.109kg/m.with necessary accssories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original conditons after fixing etc.. complete complying with standard specification and as directed by the deparmental officers. All the Aluminium sections are to the anodised with matt finish under electrically controlled conditons in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc. Complete. |              |           |        |
|        |     | <b>Aluminium glazed openable windows (4 leaves)</b>  |              |           |        |
|        |     | Area : 1.80x1.30 =2.34 Sq.m  |              |           |        |
|        |     | <b>Outer frame</b>   |              |           |        |
|        |     | Vertical 2x1.30  | 2.60         |           |        |
|        |     | Horizontal 2x1.80  | 3.60         |           |        |
|        |     | 6.20x0.50kg/m  | <b>3.10</b>  | <b>Kg</b> |        |
|        |     | <b>Centre mullion</b> 59x33x2.50mm @ 0.936kg/m   |              |           |        |
|        |     | 1x3x1.225 kg/m   |              |           |        |
|        |     | 3.675x0.936 kg/m   | <b>3.44</b>  | <b>Kg</b> |        |
|        |     | <b>Z-section for shutter :</b><br>24.50x33x2.50mm @ 0.525kg/m  |              |           |        |
|        |     | Shutter vertical 2x4x1.225   | 9.80         |           |        |
|        |     | Shutter Horizontal 2x4x0.365   | 2.92         |           |        |
|        |     | 12.702x0.525 kg/m  | <b>6.68</b>  | <b>Kg</b> |        |
|        |     | <b>Aluminium clips required</b>  |              |           |        |
|        |     | Shutter 2x4x2(1.225+0.365)   | 25.44        |           |        |
|        |     | 25.44x0.109 kg/m   | <b>2.707</b> | <b>Kg</b> |        |
|        |     | <b>Total</b>   | <b>15.99</b> | <b>Kg</b> |        |
|        |     | Add 10% wastage  | 1.60         | Kg        |        |
|        |     |  | <b>17.59</b> | <b>Kg</b> |        |
|        |     | <b>4mm thick Glass required</b>  |              |           |        |

| Sl. No   | Qty                            |      | Description of work   | Rate          | Per         | Amount |
|----------|--------------------------------|------|---|---------------|-------------|--------|
|          |                                |      | Shutter 1x4x1.225x0.365   | 1.79          |             |        |
|          |                                |      | Add 20% wastage   | 0.36          |             |        |
|          |                                |      |   | <b>2.15</b>   | <b>Sq.m</b> |        |
|          |                                |      | <b>Rubber beading</b>   |               |             |        |
|          |                                |      | Shutter 2x4(1.225+0.365)  | <b>12.702</b> | <b>Rm</b>   |        |
|          |                                |      | <b>Alu.Grill of 10mm thick</b>  |               |             |        |
|          |                                |      | For shutter 1x4x1.225x0.365   | 1.79          | Sq.m        |        |
|          |                                |      | Add 10% wastage   | 0.18          | Sq.m        |        |
|          |                                |      |   | <b>1.97</b>   | <b>Sq.m</b> |        |
|          |                                |      | <b>MAIN DATA</b>  |               |             |        |
|          | 17.59                          | Kg   | Aluminium Section including anodizing Charges   |               | Kg          |        |
|          | 2.15                           | Sq.m | 4mm thick Glass required  |               | Sq.m        |        |
|          | 12.702                         | Rm   | Rubber beading  |               | Rm          |        |
|          | 2.34                           | Sq.m | Labour Charges for fixing Aluminium Window  |               | Sq.m        |        |
|          | 8.00                           | Nos  | Alu. Tower Bolt 100mmx10mm  |               | Each        |        |
|          | 8.00                           | Nos  | Alu. Hinges 100x30mm  |               | Each        |        |
|          | 4.00                           | Nos  | Alu. Handle 100mm long  |               | Each        |        |
|          | 1.97                           | Sq.m | Aluminium grill 10mm  |               | Sq.m        |        |
|          |                                | LS   | Sundries for T.W.plugs screws dismantling Redoing to good condition including Power supply etc. |               | LS          |        |
|          |                                |      | Rate for 2.34 Sq.m (X)  |               |             |        |
|          |                                |      | <b>Sub Total for 1 Sq.m (X1)</b>  |               |             |        |
|          |                                |      | <b>Add water charges @1% of Sub Total X1</b>  |               |             |        |
|          |                                |      | <b>Rate for 1 Sq.m</b>  |               |             |        |
| <b>a</b> | <b>Without Aluminium Grill</b> |      |   |               |             |        |
|          |                                |      | Rate for 2.34 m <sup>2</sup> as above (X) without water charges                                 |               |             |        |
|          |                                |      | Deduct Alu.Grill  |               |             |        |
|          |                                |      | Rate for 2.34 Sq.m  |               |             |        |

| Sl. No | Qty | Description of work   | Rate         | Per       | Amount |
|--------|-----|---|--------------|-----------|--------|
|        |     | <b>Sub Total for 1 Sq.m (X2)</b>  |              |           |        |
|        |     | <b>Add water charges @1% of Sub Total X2</b>  |              |           |        |
|        |     | <b>Rate for 1 Sq.m</b>  |              |           |        |
| 498    |     | Fabricating Supplying and fixing in position of Aluminium anodized natural colour matt finish Openable type glass window <b>with fixed glazing at top to a height of 0.3m (4 leaves) Aluminium grill of 10mm thick for glazed portion</b> in all floors having the following Aluminium section such as outer frame of section (418/code) of 37.70x33mmx2mm @ 0.50kg/m, central mullions of (code 9153,2.50mm thick) 59x33x2.5mm @ 0.936kg/m,Z section of having 21mm 24.50mm vertical and width of 33mm @2.50mm thick.Confirming to code No 4152@0.525kg/m Aluminium clips of 3.60 length having total weight of 0.40kg or 0.109kg/m with necessary accssories such as rubber beadings, special hinges, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original conditons after fixing etc... complete complying with standard specification and as directed by the departmental officers. All the Aluminium sections are to the anodised with matt finish under electrically controlled conditons in accordance with Is 1868/1962 for an average anodic film thickness of 15 microns etc.Complete. and Aluminium grill of 10mm thick for glazed portion to be used. |              |           |        |
|        |     | <b>Aluminium glazed openable windows (4 leaves) withTop fixed glazing 0.30 m height with Aluminium Grill</b>  |              |           |        |
|        |     | Area 1.80x1.60 =2.88Sq.m  |              |           |        |
|        |     | <b>H- section for outer frame</b><br>37.70x33x2mm @ 0.50kg/m  |              |           |        |
|        |     | Vertical 2x1.60   | 3.20         |           |        |
|        |     | Horizontal 2x1.80   | 3.60         |           |        |
|        |     | 6.80x0.50 kg/m  | <b>3.40</b>  | kg        |        |
|        |     | <b>Centre mullion</b> 59x33x2.50mm @ 0.936kg/m  |              |           |        |
|        |     | Shutter 3x1.229   | 3.687        |           |        |
|        |     | Horizontal 1x1.725  | 1.725        |           |        |
|        |     | Vertical 3x0.2.70   | 0.801        |           |        |
|        |     |   | <b>6.213</b> |           |        |
|        |     | 6.213x0.936 kg/m  | <b>5.82</b>  | <b>Kg</b> |        |
|        |     | <b>Z-section for shutter</b> : 21x33x2.50mm @ 0.525kg/m   |              |           |        |
|        |     | Shutter vertical 4x2x1.229  | 9.83         |           |        |
|        |     | Shutter Horizontal 4x2x0.365  | 2.92         |           |        |
|        |     | 12.705x0.525 kg/m   | <b>6.69</b>  | <b>Kg</b> |        |

| Sl. No | Qty   |      | Description of work                           | Rate         | Per         | Amount |
|--------|-------|------|---|--------------|-------------|--------|
|        |       |      | <b><u>Aluminium clips required</u></b>        |              |             |        |
|        |       |      | Shutter 2x4x2(1.229+0.365)                    | 25.50        |             |        |
|        |       |      | FG 2x4x2(0.365+0.2.70)                        | 10.11        |             |        |
|        |       |      |   | <b>35.61</b> | m           |        |
|        |       |      | 35.61x0.109 kg/m                              | <b>3.88</b>  | Kg          |        |
|        |       |      | <b>Total</b>                                  | <b>19.79</b> | <b>Kg</b>   |        |
|        |       |      | Add 10% wastage                               | <b>1.98</b>  | <b>Kg</b>   |        |
|        |       |      |   | <b>21.77</b> | <b>Kg</b>   |        |
|        |       |      | <b>4mm thick Glass required</b>               |              |             |        |
|        |       |      | Shutter 1x4x1.229x0.365                       | 1.79         |             |        |
|        |       |      | FG 1x4x0.335x0.2.70                           | 0.39         |             |        |
|        |       |      |   | <b>2.18</b>  | Sq.m        |        |
|        |       |      | Add 20% wastage                               | 0.44         | Sq.m        |        |
|        |       |      |   | <b>2.62</b>  | <b>Sq.m</b> |        |
|        |       |      | <b><u>Rubber beading</u></b>                  |              |             |        |
|        |       |      | Shutter 2x4(1.229+0.365)                      | 12.705       |             |        |
|        |       |      | FG 2x4(0.365+0.2.70)                          | 5.06         |             |        |
|        |       |      |   | <b>17.81</b> | <b>Rm</b>   |        |
|        |       |      | <b>Alu.Grill of 10mm thick</b>                |              |             |        |
|        |       |      | For shutter 4x1.229x0.365                     | 1.79         | Sq.m        |        |
|        |       |      | Fixed gril 4x0.365x0.2.70                     | 0.39         | Sq.m        |        |
|        |       |      |   | 2.18         | Sq.m        |        |
|        |       |      | Add 10% wastage                               | 0.22         | Sq.m        |        |
|        |       |      |   | <b>2.40</b>  | <b>Sq.m</b> |        |
|        |       |      | <b>MAIN DATA</b>                              |              |             |        |
|        | 21.77 | Kg   | Aluminium Section including anodizing Charges |              | Kg          |        |
|        | 2.58  | Sq.m | 4mm thick Glass required                      |              | Sq.m        |        |
|        | 17.81 | Rm   | Rubber beading                                |              | Rm          |        |
|        | 2.88  | Sq.m | Labour Charges for fixing Aluminium Window    |              | Sq.m        |        |

| Sl. No   | Qty  |      | Description of work  | Rate | Per  | Amount |
|----------|--|------|--|------|------|--------|
|          | 8.00   | Nos  | Alu. Tower Bolt 100mmx10mm   |      | Each |        |
|          | 8.00   | Nos  | Alu. Hinges 100x30mm   |      | Each |        |
|          | 4.00   | Nos  | Alu. Handle 100mm long   |      | Each |        |
|          | 2.40   | Sq.m | Aluminium grill  |      | Sq.m |        |
|          |  | LS   | Sundries for angle, window saty screws dismantling Redoing to good condition including Power supply etc. |      | LS   |        |
|          |  |      | Rate for 2.88 Sq.m (X)   |      |      |        |
|          |  |      | <b>Sub Total for 1 Sq.m (X1)</b>   |      |      |        |
|          |  |      | <b>Add water charges @1% of Sub Total X1</b>   |      |      |        |
|          |  |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| <b>a</b> | <b><u>Without Aluminium Grill</u></b>  |      |  |      |      |        |
|          |  |      | Rate for 2.88 m <sup>2</sup> as above (X) without water charges  |      |      |        |
|          |  |      | Deduct Alu.Grill   |      |      |        |
|          |  |      | Rate for 2.88 Sq.m   |      |      |        |
|          |  |      | <b>Sub Total for 1 Sq.m (X2)</b>   |      |      |        |
|          |  |      | <b>Add water charges @1% of Sub Total X2</b>   |      |      |        |
|          |  |      | <b>Rate for 1 Sq.m</b>   |      |      |        |
| 499      | Fabricating Supplying and fixing inposition Aluminium anodised natural colour matt finish <b>Two track sliding hatch window</b> in all floors with Alu. Section of Outer Vertical frame : 62x31.50x1.50mm @0.875 kg/m,Outer top & bottom gutter frame: 61.98 x 39.30 x 1.50mm @ 0.778kg/m,shutter vertical: 36.60x18x1.50mm@ 0.439kg/m, Shutter horizontal: 39x20x1.50mm@0.493kg/m with necessary accessories such as Lock, handle, wheel arrangements including supplying and fixing 8mm thick both side prelaminated partical board including cost of all materials, labours, power consumption required for fabrication, drilling holes in RCC column slab, masonry walls wherever necessary with power drills to the required extent and make good to the original condition after fixing etc... complete complying with standard specification and as directed by the deparmental officers. All the Aluminium sections are to be anodised with matt finishunder electrically controlled condntions in accordancewith IS 1868/1962 for an average anodic film thickness of 15 microns etc. complete. |      |  |      |      |        |
|          |  |      | <b>Assume a size 0.90mmx0.70m=0.63Sq.m</b>   |      |      |        |
|          |  |      | Outer Vertical: 1x2x0.70 = 1.40mx0.875 kg/m  | 1.40 | Kg   |        |
|          |  |      | Outer horizontal:1x2x0.90 = 1.80x0.778kg/m   | 1.09 | Kg   |        |
|          |  |      | shutter vertical: 2x2x0.622 = 2.488m x 0.439   | 0.83 | Kg   |        |

| Sl. No | Qty  |      | Description of work                                    | Rate        | Per         | Amount |
|--------|--|------|--|-------------|-------------|--------|
|        |  |      | Shutter horizontal:2x2x0.419=<br>1.676x0.493           | 4.55        | Kg          |        |
|        |  |      | Wastage @ 10%  | 0.46        | Kg          |        |
|        |  |      |  | <b>5.01</b> | Kg          |        |
|        |  |      | 8mm thick PLB = (0.419x0.622)x2                        | 0.52        | Sq.m        |        |
|        |  |      | Wastage @ 10%  | 0.05        | Sq.m        |        |
|        |  |      |  | <b>0.57</b> | <b>Sq.m</b> |        |
|        |  |      | <b>Main Data</b>                                       |             |             |        |
|        | 5.01   | Kgs  | Alu. Section   |             | Kgs         |        |
|        | 0.57   | Sq.m | 12mm thick PLB.  |             | Sq.m        |        |
|        | 4.00   | Nos  | Roller   |             | Nos         |        |
|        | 2.00   | Nos  | Handle 100 mm long                                     |             | Nos         |        |
|        | 1.00   | No   | Lock   |             | No          |        |
|        | 0.63   | Sq.m | Labour Charges for fixing Aluminium Window             |             | Sq.m        |        |
|        |  | LS   | For angles, screw, power supply,dismantling & dadoing. |             | LS          |        |
|        |  |      | Rate for 0.63 Sq.m                                     |             |             |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>                        |             |             |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>            |             |             |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                 |             |             |        |
| 500    | <p>Supplying , fabricating and fixing in position Aluminium Anodised natural colour mat finish <b>Two track sliding window</b> in all floors with Aluminium sections of outer Frame bottom 62x37mmx1.50mm at 1.218 kg/m,the Side &amp; Top 62x31.50x1.50mm at 0.778 kg/m,Shutter Top 40x18x1.5 at 0.38 kg/m,Bottom 40x18x1.5 at 0.38kg/m, Side Vertical 40x18x1.50mm at 0.493 kg/m, Vertical locking section 40x29x1.5mm at 0.632 kg/m, with necessary accessories such as rubber beadings, special hinges, lock, handle including supplying and fixing 4mm thick plain glass including cost of all materials, labours, power consumption required for fabrication , drilling holes in RCC column, slab, masonry walls wherever necessary with power drills to the required extent and make good to the original condition after fixing etc... complete complying with standard specification and as directed by the deparmental officers.The aluminium sections are to be anodised with matt finish under electrically controlled in accordance with IS 1868 / 1962 for an average anodic film thickness 15 microns etc., complete.</p> |      |  |             |             |        |
|        |  |      | <b>Two track sliding window</b>                        |             |             |        |
|        |  |      | <b>Assume a size window size 1.0x1.3 =1.30Sq.m</b>     |             |             |        |
|        |  |      | <b>Materials required</b>                              |             |             |        |

| Sl. No | Qty  |      | Description of work  | Rate        | Per         | Amount |
|--------|------|------|--|-------------|-------------|--------|
|        |      |      | Frame bottom track 1.0x1.218 Kg/m  | 1.22        | Kg          |        |
|        |      |      | Top track 1.0x0.778 Kg/m   | 0.78        | Kg          |        |
|        |      |      | sides 2x1.3x0.778 Kg/m   | 2.02        | Kg          |        |
|        |      |      | Shutter bottom 1x2x0.48x0.38 Kg/m  | 0.365       | Kg          |        |
|        |      |      | Shutter top 1x2x0.48x0.38 Kg/m   | 0.365       | Kg          |        |
|        |      |      | Sides 2x2x1.264x0.493 Kg/m   | 2.493       | Kg          |        |
|        |      |      | Locking Section 2x1.264x0.632 Kg/m                                       | 1.60        | Kg          |        |
|        |      |      |  | <b>8.84</b> | <b>Kg</b>   |        |
|        |      |      | Add 10% wastage  | 0.88        |             |        |
|        |      |      |  | <b>9.72</b> | <b>Kg</b>   |        |
|        |      |      | Rubber beading 2x2(0.48+1.264)   | <b>6.98</b> | <b>Rm</b>   |        |
|        |      |      | 4 mm thick glass   |             |             |        |
|        |      |      | Shutter : 1x2x0.48x1.264   | 1.21        |             |        |
|        |      |      | Add 20% wastage  | <b>0.24</b> |             |        |
|        |      |      |  | <b>1.45</b> | <b>Sq.m</b> |        |
|        |      |      | <b>MAIN DATA</b>   |             |             |        |
|        | 9.72 | Kg   | Cost of Alu, Section including anodised                                  |             | Kg          |        |
|        | 6.98 | Rm   | Rubber Beading   |             | Rm          |        |
|        | 1.45 | Sq.m | Glass 4mm thick plain  |             | Sq.m        |        |
|        | 1.30 | Sq.m | Labour Charges for fixing Aluminium Window                               |             | Sq.m        |        |
|        | 4    | Nos. | Roller   |             | No.         |        |
|        | 1    | No.  | Lock   |             | No.         |        |
|        | 2    | Nos. | Handle 100 mm long   |             | No.         |        |
|        |      | LS   | Sundries for angels, screws, power charges, dismantling and redoing etc. |             | LS          |        |
|        |      |      | Rate for 1.30 Sq.m   |             |             |        |
|        |      |      | <b>Sub Total for 1 Sq.m (X)</b>  |             |             |        |
|        |      |      | <b>Add water charges @1% of Sub Total X</b>                              |             |             |        |
|        |      |      | <b>Rate for 1 Sq.m</b>   |             |             |        |

| Sl. No | Qty   | Description of work  | Rate                                    | Per  | Amount |
|--------|-------|--|---|------|--------|
| 501    |       | Supplying , fabricating and fixing in position Aluminium Anodised natural colour matt finish <b>Three track sliding window</b> in all floors with Aluminium sections of Outer Frame bottom 92.34x46.00x1.50@1.637 kg/m,Top & vertical 92.34x29.70x1.50 at 1.066 kg/m, Shutter vertical 39x20x1.50 at 0.493 kg/m,Top & Bottom 18x36.6x1.50 at 0.439 kg/m,Vertical locking arrangement 28.94x39x1.50at0.632 kg/m, the following sizes with necessary accessories such as rubber beadings, special hinges, lock, handle including supplying and fixing 4mm thick plain glass including cost of all materials , labours, power consumption required for fabrication , drilling holes in RCC column, slab, masonry walls wherever necessary with power drills to the required extent and make good to the original condition after fixing etc... complete complying with standard specification and as directed by the departmental officers.The aluminium sections are to be anodised with matt finish under electrically controlled in accordance with IS 1868 / 1962 for an average anodic film thickness 15 microns etc., complete. |   |      |        |
|        |       | <b>Three track sliding window</b>  |   |      |        |
|        |       | <b>Consider a window size 1.5x1.3 = 1.95Sq.m</b>   |   |      |        |
|        |       | <b><u>Material required</u></b>  |   |      |        |
|        |       | Frame Top 1x1.50x1.066kg/m   | 1.60                                    | Kg   |        |
|        |       | Bottom 1x1.50x1.637kg/m  | 2.46                                    | Kg   |        |
|        |       | side Vertical 2x1.3x1.066kg/m  | 2.707                                   | Kg   |        |
|        |       | Shutter Bottom 1x3x0.475x0.439kg/m   | 0.625                                   | Kg   |        |
|        |       | Shutter top1x3x0.475x0.439kg/m   | 0.625                                   | Kg   |        |
|        |       | side vertical 2x3x1.264x0.493kg/m  | 3.74                                    | Kg   |        |
|        |       | Vertical locking section<br>2x1.264x0.632kg/m  | 1.60                                    | Kg   |        |
|        |       | Total  | <b>13.42</b>                            | Kg   |        |
|        |       | Add 10%  | <b>1.34</b>                             | Kg   |        |
|        |       |  | 14.76                                   | Kg   |        |
|        |       | Glass Area 1x3x0.475x1.264   | 1.80                                    |      |        |
|        |       | Add 20% wastage  | 0.36                                    |      |        |
|        |       |  | <b>2.16</b>                             | Sq.m |        |
|        |       | Rubber beading 3x2(0.475+1.264)  | 10.43                                   | Rm   |        |
|        |       | <b>MAIN DATA</b>   |   |      |        |
|        | 14.76 | Kg   | Cost of Alu, Section including anodised | Kg   |        |
|        | 10.43 | Rm   | Rubber Beading                          | Rm   |        |
|        | 2.16  | Sq.m   | Glass 4mm thick plain                   | Sq.m |        |

| Sl. No | Qty  |      | Description of work                           | Rate         | Per | Amount |
|--------|--|------|---|--------------|-----|--------|
|        | 1.95   | Sq.m | Labour Charges for fixing Aluminium Window    |              | Rm  |        |
|        | 6.00   | Nos  | Roller  |              | Nos |        |
|        | 2.00   | Nos  | Lock  |              | Nos |        |
|        | 3.00   | Nos  | Handle 100 mm long                            |              | Nos |        |
|        |  |      | Screws Rayal Plugs and stopper etc.           |              | LS  |        |
|        |  |      | Rate for 1.95 Sq.m                            |              |     |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>               |              |     |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>   |              |     |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                        |              |     |        |
| 502    | <p>Supplying , fabricating and fixing in position Aluminium Anodised natural colour mat finish <b>Four track sliding window</b> in all floors with Aluminium sections of outer frame Bottom Track 92.34x46.00x1.50@1.637 kg/m,Top &amp; vertical 92.34x29.70x1.50 at 1.066 kg/m,and Shutter Vertical 39x20x1.50 at 0.493 kg/m, Top&amp;Bottom 18x36.6x1.50at0.439 kg/m, Vertical locking arrangement 28.94x39x1.50at0.632 kg/m with necessary accessories such as rubber beadings, special hinges, lock, handle including supplying and fixing 4mm thick plain glass including cost of all materials , labours, power consumption required for fabrication , drilling holes in RCC column, slab, masonry walls wherever necessary with power drills to the required extent and make good to the original condition after fixing etc... complete complying with standard specification and as directed by the deparmental officers.The aluminium sections are to be anodised with matt finish under electrically controlled in accordance with IS 1868 / 1962 for an average anodic film thickness 15 microns etc., complete.</p> |      |   |              |     |        |
|        |  |      | <b>Four track sliding window</b>              |              |     |        |
|        |  |      | Consider a window size 1.80x1.3 m = 2.34 Sq.m |              |     |        |
|        |  |      | <b><u>Material required</u></b>               |              |     |        |
|        |  |      | Frame Top 1x1.80x1.066 kg/m                   | 1.92         | Kg  |        |
|        |  |      | Bottom 1x1.80x1.637 kg/m                      | 2.95         | Kg  |        |
|        |  |      | Vertical 1x2x1.30x1.066 kg/m                  | 2.707        | Kg  |        |
|        |  |      | Shutter Bottom 1x4x0.431x0.439 kg/m           | 0.76         | Kg  |        |
|        |  |      | Shutter top1x4x0.431x0.439 kg/m               | 0.76         | Kg  |        |
|        |  |      | Side vertical 2x4x1.264x0.493 kg/m            | 4.98         | Kg  |        |
|        |  |      | Vertical locking section 2x1.264x0.632 kg/m   | 1.60         | Kg  |        |
|        |  |      | Total   | <b>15.74</b> | Kg  |        |
|        |  |      | Add 10%                                       | <b>1.57</b>  | Kg  |        |

| Sl. No | Qty  |      | Description of work                         | Rate         | Per       | Amount |
|--------|--|------|---|--------------|-----------|--------|
|        |  |      |   | <b>17.31</b> | Kg        |        |
|        |  |      | Glass Area 1x4x0.431x1.264                  | 2.18         |           |        |
|        |  |      | Add 20% wastage                             | <b>0.44</b>  |           |        |
|        |  |      |   | <b>2.62</b>  | Sq.m      |        |
|        |  |      | Rubber beading 4x2(0.431+1.264)             | <b>13.56</b> | <b>Rm</b> |        |
|        |  |      | <b>MAIN DATA</b>                            |              |           |        |
|        | 17.31  | Kg   | Cost of Alu, Section including anodised     |              | Kg        |        |
|        | 13.56  | Rm   | Rubber Beading                              |              | Rm        |        |
|        | 2.62   | Sq.m | Glass 4mm thick plain                       |              | Sq.m      |        |
|        | 2.34   | Sq.m | Labour Charges for fixing Aluminium Window  |              | Sq.m      |        |
|        | 8.00   | Nos  | Roller                                      |              | No.       |        |
|        | 3.00   | Nos  | Lock  |              | No.       |        |
|        | 4.00   | Nos  | Handle 100 mm long                          |              | No.       |        |
|        |  |      | Screws Rayal Plugs and stopper etc.         |              | LS        |        |
|        |  |      | Rate for 2.34 Sq.m                          |              |           |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>             |              |           |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b> |              |           |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                      |              |           |        |
|        |  |      | <b>ALUMINIUM VENTILATOR</b>                 |              |           |        |
| 503    | <p>Supplying, fabricating and fixing inposition <b>Aluminium anodised natural colour matt finish louvered ventilator</b> size 600mm x 600 mm of with outer frame section with 62x38x2mm at 1.174 kg/m and the louvered with moving arrangements made with aluminium channel of size 60x30x4mm @ 1.274 kg/m Aluminium clips 19.05x17.27/11.05x0.075mm @ 0.169kg/m with necessary 4mm thick plain glass panel for louvers including cost of all materials, labour and power required for fabrications, chipping dismantling making holes in RCC, masonry and made good to the original condition after fixing etc. complete complying with standard specification and as directed by the departmental officers. The Aluminium surface is to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1962 for anodic film thickness of notless than 15 Microns,etc., complete.</p> |      |   |              |           |        |
|        |  |      | Assume a size 600 x 600 mm=0.36Sq.m         |              |           |        |
|        |  |      | outer frame                                 |              |           |        |
|        |  |      | vertical 1 x 2 x 0.60 = 1.20 Sq.m           |              |           |        |
|        |  |      | Horizontal 1x2x0.5240 = 1.048 Sq.m          |              |           |        |

| Sl. No | Qty       | Description of work   | Rate        | Per  | Amount |
|--------|-----------|---|-------------|------|--------|
|        |           | 2.248 Sq.m x 1.174 kg/Sq.m  | <b>2.64</b> | Kg   |        |
|        |           | Louvered section  |             |      |        |
|        |           | vertical 1x2x0.524 = 1.05Sq.m X1.274 Kg/m   | 1.34        | Kg   |        |
|        |           | <b>Clips:</b>   |             |      |        |
|        |           | 1x2x 0.524 = 1.05 m   |             |      |        |
|        |           | 1.05 x 0.169kg/m  | 0.18        | kg   |        |
|        |           |   | <b>4.16</b> | kg   |        |
|        |           | Wastage at 10%  | 0.42        |      |        |
|        |           | Total   | <b>4.58</b> | kg   |        |
|        |           | <b>4mm thick plain glass.</b>   |             |      |        |
|        |           | 0.524x0.524   | 0.27        | Sq.m |        |
|        |           | Wastage at 20%  | 0.05        |      |        |
|        |           |   | <b>0.32</b> | Sq.m |        |
|        |           | <b>Main Data</b>  |             |      |        |
|        | 4.58 Kgs  | Alu. Section  |             | Kgs  |        |
|        | 0.32 Sq.m | 4 mm thick plain glass.   |             | Sq.m |        |
|        | 0.36 Sq.m | Labour charges  |             | Sq.m |        |
|        | LS        | For angles, screw, power supply, dismantling & daddoing.  |             | LS   |        |
|        |           | Rate for 0.36 Sq.m  |             |      |        |
|        |           | <b>Sub Total for 1 Sq.m (X)</b>   |             |      |        |
|        |           | <b>Add water charges @1% of Sub Total X</b>   |             |      |        |
|        |           | <b>Rate for 1 Sq.m</b>  |             |      |        |
| 504    |           | Supplying, fabricating and fixing in position <b>Aluminium anodised natural colour matt finish louvered ventilator</b> of size 900x600mm with outer frame section with 62x38x2mm at 1.174 kg/m and the louvered with moving arrangements made with aluminium channel of size 60x30x4mm @ 1.274 kg/m Aluminium clips 19.05x17.27/11.05x0.075mm @ 0.169kg/m with necessary 4mm thick plain glass panel for louvers including cost of all materials, labour and power required for fabrications, chipping dismantling making holes in RCC, masonry and made good to the original condition after fixing etc... complete complying with standard specification and as directed by the departmental officers. The Aluminium surface is to be anodised with matt finish under electrically controlled condition in accordance with ISI specification 1868/1962 for anodic film thickness of not less than 15 Microns, etc., complete. |             |      |        |

| Sl. No | Qty       | Description of work   | Rate        | Per  | Amount |
|--------|-----------|---|-------------|------|--------|
|        |           | Assume a size 900x600mm =0.54Sq.m   |             |      |        |
|        |           | outer frame   |             |      |        |
|        |           | vertical 1 x 2 x 0.60 = 1.20 Sq.m   |             |      |        |
|        |           | Horizontal 1x2x0.824 = 1.65 Sq.m  |             |      |        |
|        |           | 3.37 Sq.mx1.174 kg/Sq.m   | <b>3.96</b> | Kg   |        |
|        |           | Louvered section  |             |      |        |
|        |           | vertical section = 30 x 30 x4mm @ 1.274 Kg/m  | 1.34        | Kg   |        |
|        |           | 2x2x0.524 = 2.100 x 1.274 = 2.68  |             |      |        |
|        |           | Inner Louver Verticle clip  |             |      |        |
|        |           | 19.05 x 10.27 x 11.05 x 1.20 @ 0.169 kg/m   |             |      |        |
|        |           | 2x2x0.524 = 2.100 x 0.169 = 0.35  |             |      |        |
|        |           | add 10% wastage = 0.70  |             |      |        |
|        |           | 4mm Plain Glass = 0.90 x 0.60 = 0.54 Sq.m   |             |      |        |
|        |           | <b>MAIN DATA</b>  |             |      |        |
|        | 7.69 Kgs  | Alu. Section incl. anodising charges  |             | Kgs  |        |
|        | 0.54 Sq.m | 4mm thick plain glass.  |             | Sq.m |        |
|        | 0.54 Sq.m | Labour Charges for fixing Aluminium Window  |             | Sq.m |        |
|        |           | Sundries for L angles, screws, electric power   |             | LS   |        |
|        |           | Rate for 0.54 Sq.m  |             |      |        |
|        |           | <b>Sub Total for 1 Sq.m (X)</b>   |             |      |        |
|        |           | <b>Add water charges @1% of Sub Total X</b>   |             |      |        |
|        |           | <b>Rate for 1 Sq.m</b>  |             |      |        |
| 505    |           | Supplying, fabricating and fixing in position Aluminium anodised natural <b>colour matt finish fixed ventilator of size 1.80mx0.60m</b> in all floors with Aluminium section of Outer frame: 24x33x3mm @0.546kg/m, Centre mullion :59x33x2.50mm@0.936 kg/m,Alu. Clips: 17.27x17.15x1.40mm @0.175kg/m and with necessary accessories such as rubber beading and fixing 4mm thick plain glass including cost of all materials, labours, power consumptions required for fabrication, drilling holes in RCC column, slab, masonry walls wherever necessary with power drills to the required extent and work good to be original condition after fixing and also as directed. All the Aluminium section are to be anodised with matt finish under electrically controlled conditions in accordance with IS 1868/1962 for an average anodic film thickness of 15 microns etc. complete. |             |      |        |

| Sl. No | Qty  |      | Description of work                                     | Rate        | Per       | Amount |
|--------|------|------|---|-------------|-----------|--------|
|        |      |      | Two panels: Assume a size : 1.80x0.60m=1.08Sq.m         |             |           |        |
|        |      |      | outer frame   |             |           |        |
|        |      |      | vertical 1 x 2 x 0.60                                   | 1.20        |           |        |
|        |      |      | Horizontal 2(0.85+0.85)                                 | 3.40        |           |        |
|        |      |      |   | 4.60        |           |        |
|        |      |      | 4.60 Rmx0.546 kg/m                                      | 2.512       | kg        |        |
|        |      |      | Centre mullion  |             |           |        |
|        |      |      | 1x1x0.552 = 0.552Mx0.936 kg/m                           | 0.52        | kg        |        |
|        |      |      | Alu. Clips:   |             |           |        |
|        |      |      | 2x2x2(0.85+0.552) = 11.22X0.175                         | 1.96        | kg        |        |
|        |      |      |   | <b>4.99</b> | <b>kg</b> |        |
|        |      |      | Wastage at 10%  | 0.50        |           |        |
|        |      |      |   | <b>5.49</b> | <b>kg</b> |        |
|        |      |      | 4mm thick plain glass.                                  |             |           |        |
|        |      |      | 1x2x0.85x0.552  | 0.94        | Sq.m      |        |
|        |      |      | Wastage at 20%  | 0.19        |           |        |
|        |      |      |   | 1.13        | Sq.m      |        |
|        |      |      | <b>MAIN DATA</b>  |             |           |        |
|        | 5.46 | Kgs  | Alu. Section  |             | Kgs       |        |
|        | 1.13 | Sq.m | 4mm thick plain glass.                                  |             | Sq.m      |        |
|        | 1.08 | Sq.m | Labour Charges for fixing Aluminium Ventilator          |             | Sq.m      |        |
|        |      | LS   | For angles, screw, power supply, dismantling & redoing. |             | LS        |        |
|        |      |      | Rate for 1.08 Sq.m                                      |             |           |        |
|        |      |      | <b>Sub Total for 1 Sq.m (X)</b>                         |             |           |        |
|        |      |      | <b>Add water charges @1% of Sub Total X</b>             |             |           |        |
|        |      |      | <b>Rate for 1 Sq.m</b>                                  |             |           |        |

| Sl. No | Qty | Description of work   | Rate        | Per         | Amount |
|--------|-----|---|-------------|-------------|--------|
| 506    |     | Manufacturing Supplying and fixing in position of Aluminium anodized <b>natural colour matt finish openable type glazed ventilator of 900 mmx600mm</b> with extruded Aluminium section of Outer frame H-section 37.70x33x2mm @ 0.50kg/m, Shutter Z- section 21/24.50x33x2.50mm @ 0.525 Kg/m and the with 4 mm thick glass with necessary accessories such as rubber beading best quality of lock handle and fixing wherever necessary with power drill to the extent required and mae good to the original conditions after fixing etc... complete complying with standard specification and as directed by the departmental officers. The Aluminium surfaces is to be anodized with matt finish is to be anodoized with matt finish used electrically condition in accordance with ISI 1868/1962 specification for an average anodic film thick of not less than 15microns. All sections and furniture fittings should be got approved by Executive Engineer incharge. |             |             |        |
|        |     | <b>Aluminium glazed ventilator without grill size 0.90x0.60m =0.54 Sq.m</b>   |             |             |        |
|        |     | <b>Outer frame: H-section =37.70x33x2mm @ 0.50kg/m</b>  |             |             |        |
|        |     | Horizontal = 1x2x0.90x0.50  | 0.90        | Kg          |        |
|        |     | Vertical = 1x2x0.53 X0.50   | 0.53        | Kg          |        |
|        |     | Mullion 59x33x2.50mm @ 0.936kg/m  |             |             |        |
|        |     | 1x0.525x0.936   | <b>0.49</b> | <b>Kg</b>   |        |
|        |     | <b>Shutter Z- section 21/24.50x33x2.50mm @ 0.525 Kg/m</b>   |             |             |        |
|        |     | Vertical 2x2x0.53   | 2.12        |             |        |
|        |     | Horizontal 2x2x.38  | 1.52        |             |        |
|        |     |   | 3.64        | Rm          |        |
|        |     | 3.64x0.525 kg/m   | <b>1.91</b> | <b>kg</b>   |        |
|        |     | <b>Aluminium clips</b><br>2x2x2(0.53+0.38) =7.28 RM   |             |             |        |
|        |     | 7.28 x0.109 kg/m  | <b>0.79</b> | <b>Kg</b>   |        |
|        |     | <b>Total</b>  | <b>4.62</b> | <b>Kg</b>   |        |
|        |     | Add 10% wastage   | <b>0.46</b> | Kg          |        |
|        |     |   | <b>5.08</b> | Kg          |        |
|        |     | <b>Pin Headed Glass 3mm thick</b>   |             |             |        |
|        |     | 1x2x0.53x0.38   | 0.40        |             |        |
|        |     | Add 20% wastage   | 0.08        |             |        |
|        |     |   | <b>0.48</b> | <b>Sq.m</b> |        |
|        |     | <b>Rubber beading</b> 2x2(0.53+.0.38)   | <b>3.64</b> | Rm          |        |

| Sl. No | Qty  |      | Description of work   | Rate         | Per       | Amount |
|--------|--|------|---|--------------|-----------|--------|
|        |  |      | <b>MAIN DATA</b>  |              |           |        |
|        | 5.08   | Kg   | Aluminium Section including anodizingCharges                                  |              | Kg        |        |
|        | 0.48   | Sq.m | Pin Head Glass 3mm tk   |              | Sq.m      |        |
|        | 3.64   | Rm   | Rubber beading  |              | Rm        |        |
|        | 4.00   | Nos  | Alu. Hinges 75x30mm   |              | Each      |        |
|        | 2.00   | Nos  | Alu. Handle 100mm long  |              | Each      |        |
|        | 0.54   | Sq.m | Labour Charges for fixing Aluminium Ventilator                                |              | Sq.m      |        |
|        |  | LS   | Alu. screws dismantling Redoing to good condition including Power supply etc. |              | LS        |        |
|        |  |      | Rate for 0.54 Sq.m  |              |           |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>   |              |           |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>                                   |              |           |        |
|        |  |      | <b>Rate for 1 Sq.m</b>  |              |           |        |
|        |  |      | <b>ALUMINIUM PARTITION</b>  |              |           |        |
| 507    | Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish <b>1/3rd fixed glazing 2/3rd prelaminated board of Aluminium partition of size 3.50 x 2.88m.</b> The outer frames Outer frame: 63.50x38x3mm@ 1.72 kg/m, Centre mullions: 63.50x38x3mm@ 1.55 kg/m, Alu. Clips: 17.27x17.15x1.50mm @ 0.175kg/mg/m for intermediate vertical mullion 90cm c/c. Horizontal mullion at 1.00m 2.10m covered with 5.5mm thick plain glass with necessary aluminium clips of size 17.27x17.15 x1.50mm @ 0.176kg/m and with required rubber beading etc., including necessary dismantling holes in RCC column, masonry wherever in necessary with power drills to the extent required and made good the damaged portion in good condition after fixing etc... complete complying with standard specification and as directed by the departmental officers. All the aluminium sections should be anodised not less than 15 microns as ISI specification 1868/1962 / and should be got approved by Executive Engineer before use. |      |   |              |           |        |
|        |  |      | <b>Size of Partition : 3.50 x 2.88 = 10.08Sq.m</b>                            |              |           |        |
|        |  |      | <b>Outer frame :</b>  |              |           |        |
|        |  |      | Vertical 2x2.88   | 5.76         |           |        |
|        |  |      | Horizontal =2x3.50  | 7.00         |           |        |
|        |  |      |   | 12.706       | Rm        |        |
|        |  |      | 12.706x1.72 kg/m  | <b>21.95</b> | <b>kg</b> |        |
|        |  |      | <b>Inner frame</b> 63.50x38x3mm @ 1.55 kg/m                                   |              |           |        |

| Sl. No | Qty   |      | Description of work                      | Rate         | Per       | Amount |
|--------|-------|------|--|--------------|-----------|--------|
|        |       |      | Intermediate section Vertical: 3x2.804   | 8.41         |           |        |
|        |       |      | Intermediate section Horizontal : 2x3.31 | 6.62         |           |        |
|        |       |      |  | <b>15.03</b> | <b>Rm</b> |        |
|        |       |      | 15.03x1.55 kg/m                          | <b>23.30</b> | <b>kg</b> |        |
|        |       |      | <b>clips : @ 1m ht:4x2x2(0.83+0.943)</b> | 28.37        |           |        |
|        |       |      | 2.1m ht:4x2x2(0.83+1.062)                | 30.270       |           |        |
|        |       |      | 2.88m ht:4x2x2(0.83+0.723)               | <b>24.85</b> |           |        |
|        |       |      |  | <b>83.49</b> | <b>Rm</b> |        |
|        |       |      | 83.49x0.175 kg/m                         | <b>14.61</b> | <b>kg</b> |        |
|        |       |      | Total Aluminium section                  | <b>59.86</b> | kg        |        |
|        |       |      | Add 10% wastage                          | <b>5.99</b>  | kg        |        |
|        |       |      |  | <b>65.85</b> | kg        |        |
|        |       |      | <b><u>Rubber beading</u></b>             |              |           |        |
|        |       |      | 4x2(0.83+0.723)                          | 12.42        | Rm        |        |
|        |       |      | <b>Glass 5.5mm thick</b>                 |              |           |        |
|        |       |      | 1/3rd portion at top : 4x0.83x0.723      | 2.40         |           |        |
|        |       |      | Add 20% wastage                          | 0.48         |           |        |
|        |       |      |  | <b>2.88</b>  | Sq.m      |        |
|        |       |      | <b><u>Prelaminated board</u></b>         |              |           |        |
|        |       |      | 2/3rd portion bottom 4x0.83x0.943        | 3.13         | Sq.m      |        |
|        |       |      | 2/3rd portion bottom 4x0.83x1.062        | 3.53         | Sq.m      |        |
|        |       |      |  | <b>6.66</b>  | Sq.m      |        |
|        |       |      | Add 10% wastage                          | <b>0.67</b>  | kg        |        |
|        |       |      |  | <b>7.33</b>  |           |        |
|        |       |      | <b>Main Data</b>                         |              |           |        |
|        | 65.85 | Kgs  | Alu. Section                             |              | Kgs       |        |
|        | 2.88  | Sq.m | 5.5mm thick plain glass.                 |              | Sq.m      |        |
|        | 12.42 | Rm   | Rubber beading                           |              | Rm        |        |
|        | 7.33  | Sq.m | Prelaminated board of MDF 12mm thick     |              | Sq.m      |        |

| Sl. No | Qty  |      | Description of work                                     | Rate          | Per       | Amount |
|--------|--|------|---|---------------|-----------|--------|
|        | 10.08  | Sq.m | Labour Charges for fixing Aluminium Partition           |               | Sq.m      |        |
|        |  | LS   | For angles, screw, power supply, dismantling & dadoing. |               | LS        |        |
|        |  |      | Rate for 10.08 Sq.m                                     |               |           |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>                         |               |           |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>             |               |           |        |
|        |  |      | <b>Rate for 1 Sq.m</b>                                  |               |           |        |
| 508    | Fabricating Supplying and fixing in position of Aluminium anodised natural colour matt finish <b>1/3rd fixed glazing 2/3rd prelaminated board of Aluminium partition of size 2.700 mx 2.10 m.</b> The outer frames Outer frame: 63.50x38x3mm@ 1.72 kg/m, Centre mullions: 63.50x38x3mm@ 1.55 kg/m, Alu. Clips: 17.27x17.15x1.50mm @ 0.175kg/mg/m for intermediate vertical mullion 90cm c/c. Horizontal mullion at 1.00m 2.10m covered with 4 mm thick plain glass with necessary aluminium clips of size 17.27x17.15 x1.50mm @ 0.176kg/m and with required rubber beading etc., including necessary dismantling holes in RCC column, masonry wherever in necessary with power drills to the extent required and made good the damaged portion in good condition after fixing etc... complete complying with standard specification and as directed by the departmental officers. All the aluminium sections should be anodised not less than 15 microns as ISI specification 1868/1962 / and should be got approved by Executive Engineer before use. |      |   |               |           |        |
|        |  |      | <b>Size of Partition : 2.700mx2.10m = 5.67 Sq.m</b>     |               |           |        |
|        |  |      | <b>Outer frame :</b>                                    |               |           |        |
|        |  |      | Vertical = 1x 2x2.10                                    | 4.20          |           |        |
|        |  |      | Horizontal = 1x2x2.624                                  | 5.25          |           |        |
|        |  |      |   | 9.45          | Rm        |        |
|        |  |      | 9.45x1.72 kg/m  | <b>16.25</b>  | <b>kg</b> |        |
|        |  |      | <b>Inner frame :</b> 63.50 x 38 x 3mm @ 1.55 kg/m       |               |           |        |
|        |  |      | Intermediate mullion Vertical : 1x2x2.024               | 4.05          |           |        |
|        |  |      | Intermediate mullion Horizontal : 1x1x2.624             | 2.62          |           |        |
|        |  |      |   | <b>6.67</b>   | <b>Rm</b> |        |
|        |  |      | 6.67x1.55 kg/m  | <b>10.34</b>  | <b>kg</b> |        |
|        |  |      | <b>clips : 17.15x17.27x1.40@0.175 kg/m</b>              |               |           |        |
|        |  |      | 2x2x(2.624+0.643) x 0.175                               | <b>2.2.70</b> |           |        |
|        |  |      | Total Aluminium section                                 | <b>28.88</b>  | kg        |        |

| Sl. No | Qty   |      | Description of work                                     | Rate         | Per  | Amount |
|--------|-------|------|---|--------------|------|--------|
|        |       |      | Add 10% wastage   | <b>2.89</b>  | kg   |        |
|        |       |      |   | <b>31.76</b> | kg   |        |
|        |       |      | <b><u>Rubber beading</u></b>                            |              |      |        |
|        |       |      | 2x3(0.85+0.643)   | 8.96         | Rm   |        |
|        |       |      | <b>Glass 5.5mm thick</b>                                |              |      |        |
|        |       |      | 1/3rd portion at top : 1x3x0.85x0.643                   | 1.64         |      |        |
|        |       |      | Add 20% wastage   | 0.33         |      |        |
|        |       |      |   | <b>1.97</b>  | Sq.m |        |
|        |       |      | <b><u>Prelaminated board</u></b>                        |              |      |        |
|        |       |      | 2/3rd portion bottom : 1x3x0.85x1.343                   | 3.42         | Sq.m |        |
|        |       |      | Add 10% wastage   | 0.34         |      |        |
|        |       |      |   | <b>3.77</b>  | Sq.m |        |
|        |       |      | <b>Main Data</b>  |              |      |        |
|        | 31.76 | Kgs  | Alu. Section  |              | Kgs  |        |
|        | 1.97  | Sq.m | 5.5mm thick plain glass.                                |              | Sq.m |        |
|        | 8.96  | Rm   | Rubber beading  |              | Rm   |        |
|        | 3.77  | Sq.m | Prelaminated board of MDF 12mm thick                    |              | Sq.m |        |
|        | 5.67  | Sq.m | Labour Charges for fixing Aluminium Partition           |              | Sq.m |        |
|        |       | LS   | For angles, screw, power supply, dismantling & dadoing. |              | LS   |        |
|        |       |      | Rate for 5.67 Sq.m                                      |              |      |        |
|        |       |      | <b>Sub Total for 1 Sq.m (X)</b>                         |              |      |        |
|        |       |      | <b>Add water charges @1% of Sub Total X</b>             |              |      |        |
|        |       |      | <b>Rate for 1 Sq.m</b>                                  |              |      |        |

| Sl. No | Qty   | Description of work  | Rate   | Per  | Amount |
|--------|-------|--|--|------|--------|
| 509    |       | .Supplying, fabricating and fixing inposition Aluminium glazed fixed partition of size 1.50m x 1.30m using 63.50x38.10x2mm @1.127 kg/m Alu.section at 900mm C/C in vertical direction and 1300mm @ C/C at horizontal direction with necessary rubber beadings Alu. clips, of size 17.27x17.15x1.40mm@ 0.175 kg/m and using 4mm thick plain glass including cost of all materilas, labours, power consumptions required for fabrications, drilling holes in RCC column, slab, masonry walls wherever necessary with powerdrills to the required extent and make good to the original condition after fixing etc... complete complying with standard specification and as directed by the departmental officers. All the aluminium sections are to be anodised with matt finish under electrically controlled conditions in accordance with IS 1868/1962 for an average abiduc film thickness of 15 microns etc. complete. |  |      |        |
|        |       | Assume a size 1.50mx1.30m=1.95 Sq.m  |  |      |        |
|        |       | <b>outer frame</b>   |  |      |        |
|        |       | vertical 1x3 x1.30 = 3.90mx1.127kg/m   | 4.40   | kg   |        |
|        |       | Horizontal 1x2x1.50= 3.00 mx1.127kg/m  | 3.38   | kg   |        |
|        |       | Alu. Clips: 2x2(1.386+1.224)x0.175   | 1.82   |      |        |
|        |       |  | 9.60   |      |        |
|        |       | Wastage at 10%   | 0.96   |      |        |
|        |       |  | 10.56  | kg   |        |
|        |       | 4mm thick plain glass 1.386 x1.224   | 1.70   | Sq.m |        |
|        |       | Add Wastage at 20%   | 0.34   |      |        |
|        |       |  | 2.04   | Sq.m |        |
|        |       | Rubber beading 2(1.386 + 1.224)  | 5.22   | Rm   |        |
|        |       | <b>Main Data</b>   |  |      |        |
|        | 10.56 | Kgs  | Alu. Section   | Kgs  |        |
|        | 2.04  | Sq.m   | 4mm thick plain glass.                                   | Sq.m |        |
|        | 5.22  | RM   | Rubber beading   | RM   |        |
|        | 1.95  | Sq.m   | Labour Charges for fixing Aluminium Partition            | Sq.m |        |
|        |       | LS   | For angles, screw, power supply, dismantling & dadooing. | LS   |        |
|        |       |  | Rate for 1.95 Sq.m                                       |      |        |
|        |       |  | <b>Sub Total for 1 Sq.m (X)</b>                          |      |        |
|        |       |  | <b>Add water charges @1% of Sub Total X</b>              |      |        |
|        |       |  | <b>Rate for 1 Sq.m</b>                                   |      |        |

| Sl. No | Qty   | Description of work   | Rate  | Per  | Amount |
|--------|-------|---|---|------|--------|
| 510    |       | Supplying, fabricating and fixing inposition Aluminium glazed fixed partition of size 2.700 x 1.30m using 63.50x38.10x2mm @1.127 kg/m Alu.section at 900mm C/C in vertical direction and 1300mm @ C/C at horizontal direction with necessary rubber beadings Alu. clips, of size 17.27x17.15x1.40mm@ 0.175 kg/m and using 4mm thick plain glass including cost of all materilas, labours, power consumptions required for fabrications, drilling holes in RCC column, slab, masonry walls wherever necessary with powerdrills to the required extent and make good to the original condition after fixing etc... complete complying with standard specification and as directed by the departmental officers. All the aluminium sections are to be anodised with matt finish under electrically controlled conditions in accordance with IS 1868/1962 for an average abiduc film thickness of 15 microns etc. complete. |   |      |        |
|        |       | Assume a size 2.700mx1.30m=3.51Sq.m   |   |      |        |
|        |       | <b>outer frame</b>  |   |      |        |
|        |       | vertical 1x4x1.30 = 5.20mx1.127kg/m   | 5.86  | kg   |        |
|        |       | Horizontal<br>1x2x2.700=5.40mx1.127kg/m   | 6.09  | kg   |        |
|        |       | Alu. Clips: 3x2(1.22+0.845)x2 =<br>24.78  | 4.34  |      |        |
|        |       |   | 16.29   |      |        |
|        |       | Wastage at 10%  | 1.63  |      |        |
|        |       |   | 17.92   | kg   |        |
|        |       | 4mm thick plain glass 1x3x0.845x1.22  | 3.09  | Sq.m |        |
|        |       | Wastage at 20%  | 0.62  |      |        |
|        |       |   | 3.71  |      |        |
|        |       | Rubber beading 1x3x2(0.845x1.22)  | 12.39   | Sq.m |        |
|        |       | <b>Main Data</b>  |   |      |        |
|        | 17.92 | Kgs   | Alu. Section  | Kgs  |        |
|        | 3.71  | Sq.m  | 4mm thick plain glass.                                  | Sq.m |        |
|        | 12.39 | RM  | Rubber beading  | RM   |        |
|        | 3.51  | Sq.m  | Labour Charges for fixing Aluminium Partition           | Sq.m |        |
|        |       | LS  | For angles, screw, power supply, dismantling & dadoing. | LS   |        |
|        |       |   | Rate for 3.51 Sq.m                                      |      |        |
|        |       |   | <b>Sub Total for 1 Sq.m (X)</b>                         |      |        |
|        |       |   | <b>Add water charges @1% of Sub Total X</b>             |      |        |
|        |       |   | <b>Rate for 1 Sq.m</b>                                  |      |        |

| Sl. No | Qty | Description of work  | Rate         | Per  | Amount |
|--------|-----|--|--------------|------|--------|
|        |     |  |              |      |        |
|        |     | <b>FIXED GLAZING</b>   |              |      |        |
| 511    |     | Supplying, fabricating and fixing in position of Aluminium Natural Colour Mat finish Fixed Glazing with Aluminium grill of 10mm thick the glass used shall be of 5 mm thickness. The Aluminium Section are to be anodised under electrically controlled condition as per IS 1868/1962 for an anodic film thickness of 15 microns. complete complying with standard specification and as directed by the departmental officers. All the materials should be got approved by got approved by the Executive Engineer before execution of works. |              |      |        |
|        |     | <b>Fixed glazing @ fixed door for entrance lobby</b>   |              |      |        |
|        |     | Glazing Size 1.50x2.10   |              |      |        |
|        |     | <b>Outer Frame:</b>  |              |      |        |
|        |     | Horizontal 2x1.50  | 3.00         |      |        |
|        |     | Vertical=1x2.10  | 2.10         |      |        |
|        |     |  | 5.10         |      |        |
|        |     | 5.10x2.319 kg/m  | 11.83        | Kg   |        |
|        |     | <b>inner Frame:</b>  |              |      |        |
|        |     | Horizontal 4x0.405   | 1.62         |      |        |
|        |     | Vertical=2x2.056   | 4.11         |      |        |
|        |     |  | 5.73         |      |        |
|        |     | 5.73x1.72  | 9.86         | Kg   |        |
|        |     |  |              |      |        |
|        |     | <b>Alu. Clips:</b>   |              |      |        |
|        |     | 2x2x2(0.405+0.928)   | 10.66        |      |        |
|        |     | 10.664x0.176   | 1.88         | Kg   |        |
|        |     | <b>Total</b>   | <b>23.57</b> | Kg   |        |
|        |     | ADD Wastage 10%  | 2.36         | Kg   |        |
|        |     |  | 25.93        | Kg   |        |
|        |     |  |              |      |        |
|        |     | <b>5.50mm thick plain glass.</b>   |              |      |        |
|        |     | 2x(0.405 x0.928)   | 0.75         | Sq.m |        |

| Sl. No | Qty  |      | Description of work   | Rate        | Per  | Amount |
|--------|--|------|---|-------------|------|--------|
|        |  |      | ADD 20% Wastage   | 0.15        | Sq.m |        |
|        |  |      |   | <b>0.90</b> | Sq.m |        |
|        |  |      | <b>10 mm thick grill</b>  |             |      |        |
|        |  |      | 2x(0.405 x0.928)  | 0.75        | Sq.m |        |
|        |  |      | ADD 10% Wastage   | 0.08        | Sq.m |        |
|        |  |      |   | <b>0.83</b> | Sq.m |        |
|        |  |      | Rubber beading:   |             |      |        |
|        |  |      | Shutter Top 2x2(0.405+0.928)  | 5.33        |      |        |
|        |  |      |   | 5.33        |      |        |
|        |  |      | <b>Main Data</b>  |             |      |        |
|        | 25.93  | Kg   | Alu. Section including anodizing charges  |             | kgs  |        |
|        | 0.90   | Sq.m | 5.50mm thick Plain glass  |             | Sq.m |        |
|        | 0.83   | Sq.m | Aluminium grill 10mm thick  |             | Sq.m |        |
|        | 5.33   | Rm   | Rubber beading  |             | Rm   |        |
|        | 3.15   | Sq.m | Labour Charges for fixing Glazing   |             | Sq.m |        |
|        |  | LS   | Sundries for T.W. plugs, angles, screws, dismantling, Redoing to good condition including power supply etc. |             | LS   |        |
|        |  |      | Rate for 3.15 Sq.m  |             |      |        |
|        |  |      | <b>Sub Total for 1 Sq.m (X)</b>   |             |      |        |
|        |  |      | <b>Add water charges @1% of Sub Total X</b>   |             |      |        |
|        |  |      | <b>Rate for 1 Sq.m</b>  |             |      |        |
|        |  |      |   |             |      |        |
|        |  |      | <b>ALUMINIUM HANDRAIL</b>   |             |      |        |
| 512    | Supplying and fixing in position of aluminium handrails anodised matt natural finish c type section of size 70x30x3 mm thick at 1.527 kg/m with all alu. Strip section No.5126 of 37 mm with 0.2.70 kg/m including balustrades square section of size 25.40x25.40x1.50mm thick at 0.442 kg/m to a height 800mm from the finish floor level at step neseing fixed at 150mm intervals iln the two numbers for each step with necessary screws plugs etc... complete complying with standard specification and as directed by the deparmental officers. including providing holes iln the RCC masonry steps landing or floor and also fixing the aluminium depth and grouted with cement and redoing the damaged portion as original condition. |      |   |             |      |        |

| Sl. No | Qty  |     | Description of work  | Rate  | Per | Amount |
|--------|------|-----|--|-------|-----|--------|
|        |      |     | <b>Aluminium hand rails</b>  |       |     |        |
|        |      |     | Consider for 1.00m length  |       |     |        |
|        |      |     | C' type hand rail  |       |     |        |
|        |      |     | 1.01 x 1.527 kg/Rm   | 1.542 | kg  |        |
|        |      |     | Strip connection   |       |     |        |
|        |      |     | 1.01 x 0.2.70 kg/m   | 0.229 | kg  |        |
|        |      |     | <b>Balustrades</b>   |       |     |        |
|        |      |     | 0.80 x 4 x 0.442 kg/RM   | 1.414 | kg  |        |
|        |      |     | 0.90 x 3 x 0.442 kg/RM   | 1.193 | kg  |        |
|        |      |     |  | 4.378 | kg  |        |
|        |      |     | M.S. square rods 20 x 20mm   |       |     |        |
|        |      |     | 1x6x0.40x3.4   | 8.16  | kg  |        |
|        |      |     | <b>Main Data</b>   |       |     |        |
|        | 4.38 | Kg  | Alu. Section including anodizing charges   |       | Kg  |        |
|        | 8.80 | kg  | M.S. square rods 20mm  |       | kg  |        |
|        | 2.50 | Nos | Fitter I Class   |       | Nos |        |
|        |      |     | Wastage in Alu. Section 10 %   |       | LS  |        |
|        |      | LS  | Sundries for T.W. plugs, angles, Cement slurry, dismantling Redoing charges, scaffolding and strutting inclusive of power supply |       | LS  |        |
|        |      |     | <b>Sub Total for 1 RM (X)</b>  |       |     |        |
|        |      |     | <b>Add water charges @1% of Sub Total X</b>  |       |     |        |
|        |      |     | <b>Rate for 1 RM</b>   |       |     |        |

## WOODEN DOORS

| Sl. No     | Qty   |      | Description of work                         | Rate | Per  | Amount |
|------------|---|------|---|------|------|--------|
| <b>513</b> | <b>Best Teakwood Wrought and Putup in Larges Scantling Over 3M for Joints and Rafters 1Cu.m</b>     |      |   |      |      |        |
|            |   |      | <b>Main Data</b>                            |      |      |        |
|            | 1.00  | Cu.m | Teakwood in Large Scantling                 |      | Cu.m |        |
|            | 4.50  | Nos  | Carpenter I Class                           |      | Each |        |
|            | 13.20   | Nos  | Carpenter II Class                          |      | Each |        |
|            | 35.30   | Nos  | Mazdoor Category I                          |      | Each |        |
|            |   |      | Sundries including nails,screws etc.,       |      | LS   |        |
|            |   |      | Rate for 1 Cu.m                             |      |      |        |
|            |   |      | <b>Sub Total for 1 Cu.m (X)</b>             |      |      |        |
|            |   |      | <b>Add water charges @1% of Sub Total X</b> |      |      |        |
|            |   |      | <b>Rate for 1 Cu.m</b>                      |      |      |        |
| <b>514</b> | <b>Best Teakwood Wrought and Putup with Scantling Below 3m in Length 1Cu.m</b>                      |      |   |      |      |        |
|            |   |      | <b>Main Data</b>                            |      |      |        |
|            | 1.00  | Cu.m | Teakwood in Large Scantling                 |      | Cu.m |        |
|            | 4.50  | Nos  | Carpenter I Class                           |      | Each |        |
|            | 13.20   | Nos  | Carpenter II Class                          |      | Each |        |
|            | 8.80  | Nos  | Man Coolie                                  |      | Each |        |
|            |   | -    | Sundries including nails,screws etc.,       |      | LS   |        |
|            |   |      | Rate for 1 Cu.m                             |      |      |        |
|            |   |      | <b>Sub Total for 1 Cu.m (X)</b>             |      |      |        |
|            |   |      | <b>Add water charges @1% of Sub Total X</b> |      |      |        |
|            |   |      | <b>Rate for 1 Cu.m</b>                      |      |      |        |
| <b>515</b> | <b>Best Teakwood Framed Wrought and Putup for Trusses including Straps and all Iron Work -1Cu.m</b> |      |   |      |      |        |
|            |   |      | <b>Main Data</b>                            |      |      |        |
|            | 1.00  | Cu.m | Teakwood in Large Scantling                 |      | Cu.m |        |
|            | 6.70  | Nos  | Carpenter I Class                           |      | Each |        |
|            | 19.80   | Nos  | Carpenter II Class                          |      | Each |        |

| Sl. No     | Qty   |      | Description of work                               | Rate          | Per  | Amount |
|------------|---|------|---|---------------|------|--------|
|            | 8.80  | Nos  | Mazdoor Category I                                |               | Each |        |
|            | 112.00  | Kg   | Iron Work (Average)                               |               | Kg   |        |
|            |   | -    | Sundries including nails,screws etc.,             |               | LS   |        |
|            |   |      | Rate for 1 Cu.m                                   |               |      |        |
|            |   |      | <b>Sub Total for 1 Cu.m (X)</b>                   |               |      |        |
|            |   |      | <b>Add water charges @1% of Sub Total X</b>       |               |      |        |
|            |   |      | <b>Rate for 1 Cu.m</b>                            |               |      |        |
| <b>516</b> | <b>Supplying and Fixing of Fully Panelled Doors - External or Internal Moulded Planks, Single Leaf 750 X 2100 Type 'A' - (5 Panels) Etc, Complete Complying With Standard Specification and as Directed by the Departmental officers.</b> |      |   |               |      |        |
|            |   |      | Materials required                                |               |      |        |
|            |   |      | <b>Frame :</b>                                    |               |      |        |
|            |   |      | Posts 2 x 2.14 x 0.065 x 0.10                     | 0.0278        |      |        |
|            |   |      | Horizontal top 1 x 0.75 x 0.065 x 0.10            | 0.0049        |      |        |
|            |   |      | Total   | <b>0.0327</b> |      |        |
|            |   |      | <b>Shutters</b>                                   |               |      |        |
|            |   |      | Styles 2 x 2.045 x 0.075 x 0.04                   | <b>0.0123</b> |      |        |
|            |   |      | Top rail 1 x 0.65 x 0.075 x 0.04                  | 0.0019        |      |        |
|            |   |      | Lock rail 4 x 0.60 x 0.075 x 0.04                 | 0.0070        |      |        |
|            |   |      | Bottom rail 1 x 0.65 x 0.05 x 0.04                | 0.0039        |      |        |
|            |   |      | Total   | <b>0.0128</b> |      |        |
|            |   |      | Planks -Panels 5 x 0.524 x 0.328 x 0.012          | <b>0.0103</b> |      |        |
|            |   |      |   | 0.0354        |      |        |
|            |   |      | <b>Main Data</b>                                  |               |      |        |
|            |   |      | <b>Frames</b>                                     |               |      |        |
|            | 0.0278  | Cu.m | Teak Wood Scantlings over 2m & below 3m in length |               | Cu.m |        |
|            | 0.0049  | Cu.m | Teak Wood Scantlings upto 2m in length            |               | Cu.m |        |
|            | 0.0327  | Cu.m | Labour Wrought and put up in position for Frames  |               | Cu.m |        |

| Sl. No     | Qty   |      | Description of work   | Rate          | Per  | Amount |
|------------|---|------|---|---------------|------|--------|
|            |   |      | <b>Shutters</b>   |               |      |        |
|            | 0.0123  | Cu.m | Teak Wood Scantlings over 2m & below 3m in length   |               | Cu.m |        |
|            | 0.0130  | Cu.m | Teak Wood Scantlings upto 2m in length  |               | Cu.m |        |
|            | 0.0103  | Cu.m | Teak Wood Planks over 30cm wide and 12mm to 25mm thick  |               | Cu.m |        |
|            | 1.33  | Sq.m | Labour Wrought and put up for Shutters fully panelled doors including labour charges for Fixing Furniture |               | Sq.m |        |
|            | 6.00  | Nos  | Iron "Z" Hold fast 230 x 40 x 5mm fixed with screws   |               | Each |        |
|            | 3.00  | Nos  | Butt Hinges fixed with screws of 50mm length<br>125 x 65 x 2.12mm LO<br>125 X 63 X 4.8/4mm AL.            |               | Each |        |
|            | 1.00  | No   | Top Tower Bolt 12mm dia<br>200 x 38 x 2.4mm   |               | Each |        |
|            | 1.00  | No   | Bottom Tower Bolt 12mm dia  |               | Each |        |
|            | 1.00  | No   | Lock Rail Tower Bolt 12mm dia<br>150 x 38 x 2.4mm   |               | Each |        |
|            | 1.00  | No   | Aldrop of size 16 x 250mm   |               | Each |        |
|            | 1.00  | No   | 50mm dia Rubber block   |               | Each |        |
|            | 0.25  | No   | Fitter Class - I  |               | Each |        |
|            |   |      | Rate for 1.33 Sq.m  |               |      |        |
|            |   |      | <b>Sub Total for 1 sq.m (X)</b>   |               |      |        |
|            |   |      | <b>Add water charges @1% of Sub Total X</b>   |               |      |        |
|            |   |      | <b>Rate for 1sq.m.</b>  |               |      |        |
| <b>517</b> | <b>Supplying and Fixing of Fully Panelled Doors- External or Internal Moulded Planks Single Leaf 750 X 2100 Type 'B' - (Unequal Panels) Etc, Complete Complying With Standard Specification and as Directed by the Departmental officers.</b> |      |   |               |      |        |
|            |   |      | Materials required  |               |      |        |
|            |   |      | <b>Frame :</b>  |               |      |        |
|            |   |      | Posts 2 x 2.14 x 0.065 x 0.10   | 0.0278        |      |        |
|            |   |      | Horizontal top 1 x 0.75 x 0.065 x 0.10  | 0.0049        |      |        |
|            |   |      | Total   | <b>0.0327</b> |      |        |

| Sl. No | Qty    |      | Description of work   | Rate          | Per  | Amount |
|--------|--------|------|---|---------------|------|--------|
|        |        |      | <b>Shutters</b>   |               |      |        |
|        |        |      | Styles 2 x 2.045 x 0.075 x 0.04   | <b>0.0123</b> |      |        |
|        |        |      | Top rail 1 x 0.65 x 0.075 x 0.04  | 0.0020        |      |        |
|        |        |      | Lock rail 1 x 0.60 x 0.125 x 0.04   | 0.0030        |      |        |
|        |        |      | Bottom rail 1 x 0.65 x 0.150 x 0.04   | 0.0039        |      |        |
|        |        |      |   | <b>0.0089</b> |      |        |
|        |        |      | <b>Planks</b>   |               |      |        |
|        |        |      | Panels Top 1 x 1.074 x 0.524 x 0.012  | 0.0067        |      |        |
|        |        |      | Panels Bottom 1 x 0.669 x 0.524 x 0.012   | 0.0042        |      |        |
|        |        |      |   | <b>0.0109</b> |      |        |
|        |        |      | <b>Main Data</b>  |               |      |        |
|        |        |      | <b>Frames</b>   |               |      |        |
|        | 0.0278 | Cu.m | Teak Wood Scantlings over 2m & below 3m in length   |               | Cu.m |        |
|        | 0.0049 | Cu.m | Teak Wood Scantlings upto 2m in length  |               | Cu.m |        |
|        | 0.0327 | Cu.m | Labour Wrought and put up in position for Frames  |               | Cu.m |        |
|        |        |      | <b>Shutters</b>   |               |      |        |
|        | 0.0123 | Cu.m | Teak Wood Scantlings over 2m & below 3m in length   |               | Cu.m |        |
|        | 0.0089 | Cu.m | Teak Wood Scantlings upto 2m in length  |               | Cu.m |        |
|        | 0.0109 | Cu.m | Teak Wood Planks over 30cm wide and 12mm to 25mm thick  |               | Cu.m |        |
|        | 1.33   | Sq.m | Labour Wrought and put up for Shutters fully panelled doors including labour charges for Fixing Furniture |               | Sq.m |        |
|        | 6.00   | Nos  | Iron "Z" Hold fast 230 x 40 x 5mm fixed with screws   |               | Each |        |
|        | 3.00   | Nos  | Butt Hinges fixed with screws of 50mm length<br>125 x 65 x 2.12mm LO<br>125 X 63 X 4.8/4mm AL.            |               | Each |        |
|        | 1.00   | Nos  | Top Tower Bolt 12mm dia<br>200 x 38 x 2.4mm   |               | Each |        |
|        | 1.00   | Nos  | Lock Rail Tower Bolt 12mm dia<br>150 x 38 x 2.4mm   |               | Each |        |

| Sl. No     | Qty  |      | Description of work                               | Rate          | Per  | Amount |
|------------|--|------|---|---------------|------|--------|
|            | 1.00   | No   | Aldrop of size 16 x 250mm                         |               | Each |        |
|            | 1.00   | No   | 50mm dia Rubber block                             |               | Each |        |
|            | 0.25   | No   | Fitter Class - I                                  |               | Each |        |
|            |  |      | Rate for 1.33 Sq.m                                |               |      |        |
|            |  |      | <b>Sub Total for 1 sq.m (X)</b>                   |               |      |        |
|            |  |      | <b>Add water charges @1% of Sub Total X</b>       |               |      |        |
|            |  |      | <b>Rate for 1sq.m.</b>                            |               |      |        |
| <b>518</b> | <b>Supplying and Fixing of Fully Panelled Doors - External or Internal Moulded Planks Single Leaf 750 X 2100 Type 'C' - ( Single Panels) Etc, Complete Complying With Standard Specification and as Directed by the Departmental officers.</b> |      |   |               |      |        |
|            |  |      | Materials required                                |               |      |        |
|            |  |      | <b>Frame :</b>                                    |               |      |        |
|            |  |      | Posts 2 x 2.14 x 0.065 x 0.10                     | 0.0278        |      |        |
|            |  |      | Horizontal top 1 x 0.75 x 0.065 x 0.10            | 0.0049        |      |        |
|            |  |      | Total   | <b>0.0327</b> |      |        |
|            |  |      | <b>Shutters</b>                                   |               |      |        |
|            |  |      | Styles 2 x 2.045 x 0.075 x 0.04                   | <b>0.0123</b> |      |        |
|            |  |      | Top rail 1 x 0.65 x 0.075 x 0.04                  | 0.0020        |      |        |
|            |  |      | Bottom rail 1 x 0.65 x 0.15 x 0.04                | 0.0040        |      |        |
|            |  |      |   | <b>0.0060</b> |      |        |
|            |  |      | <b>Planks</b>                                     |               |      |        |
|            |  |      | Panels 1 x 1.844 x 0.524 x 0.012                  | 0.0116        |      |        |
|            |  |      |   | <b>0.0116</b> |      |        |
|            |  |      | <b>Main Data</b>                                  |               |      |        |
|            |  |      | <b>Frames</b>                                     |               |      |        |
|            | 0.0278   | Cu.m | Teak Wood Scantlings over 2m & below 3m in length |               | Cu.m |        |
|            | 0.0049   | Cu.m | Teak Wood Scantlings upto 2m in length            |               | Cu.m |        |
|            | 0.0327   | Cu.m | Labour Wrought and put up in position for Frames  |               | Cu.m |        |

| Sl. No     | Qty  |      | Description of work   | Rate          | Per  | Amount |
|------------|--|------|---|---------------|------|--------|
|            |  | -    | <b>Shutters</b>   |               |      |        |
|            | 0.0123   | Cu.m | Teak Wood Scantlings over 2m & below 3m in length   |               | Cu.m |        |
|            | 0.0060   | Cu.m | Teak Wood Scantlings upto 2m in length  |               | Cu.m |        |
|            | 0.0116   | Cu.m | Teak Wood Planks over 30cm wide and 12mm to 25mm thick  |               | Cu.m |        |
|            | 1.33   | Sq.m | Labour Wrought and put up for Shutters fully panelled doors including labour charges for Fixing Furniture |               | Sq.m |        |
|            | 6.00   | Nos  | Iron "Z" Hold fast 230 x 40 x 5mm fixed with screws   |               | Each |        |
|            | 3.00   | Nos  | Butt Hinges fixed with screws of 50mm length<br>125 x 65 x 2.12mm LO<br>125 X 63 X 4.8/4mm AL.            |               | Each |        |
|            | 1.00   | No   | Top Tower Bolt 12mm dia<br>200 x 38 x 2.4mm   |               | Each |        |
|            | 1.00   | No   | Lock Rail Tower Bolt 12mm dia<br>150 x 38 x 2.4mm   |               | Each |        |
|            | 1.00   | No   | Aldrop of size 16 x 250mm   |               | Each |        |
|            | 1.00   | No   | 50mm dia Rubber block   |               | Each |        |
|            | 0.25   | No   | Fitter Class - I  |               | Each |        |
|            |  |      | Rate for 1.33 Sq.m =  |               |      |        |
|            |  |      | <b>Sub Total for 1 sq.m (X)</b>   |               |      |        |
|            |  |      | <b>Add water charges @1% of Sub Total X</b>   |               |      |        |
|            |  |      | <b>Rate for 1sq.m.</b>  |               |      |        |
| <b>519</b> | <b>Supplying and Fixing of Fully Panelled Doors - External or Internal Moulded Planks Single Leaf 800 X 2100 Type 'A' - (5 Panels) Etc, Complete Complying With Standard Specification and as Directed by the Departmental officers.</b> |      |   |               |      |        |
|            |  |      | Materials required  |               |      |        |
|            |  |      | <b>Frame :</b>  |               |      |        |
|            |  |      | Posts 2 x 2.14 x 0.065 x 0.10   | 0.0278        |      |        |
|            |  |      | Horizontal top 1 x 0.80 x 0.065 x 0.10  | 0.0052        |      |        |
|            |  |      | Total   | <b>0.0330</b> |      |        |
|            |  |      | <b>Shutters</b>   |               |      |        |
|            |  |      | Styles 2 x 2.045 x 0.075 x 0.04   | <b>0.0123</b> |      |        |

| Sl. No | Qty    |      | Description of work  | Rate          | Per  | Amount |
|--------|--------|------|--|---------------|------|--------|
|        |        |      | Top rail 1 x 0.700 x 0.075 x 0.04  | 0.0021        |      |        |
|        |        |      | Intermittent rail 4 x 0.65 x 0.075 x 0.04  | 0.0078        |      |        |
|        |        |      | Bottom rail 1 x 0.70 x 0.150 x 0.04  | 0.0042        |      |        |
|        |        |      | Total  | <b>0.0141</b> |      |        |
|        |        |      | Planks -Panels 5 x 0.574 x 0.328 x 0.012   | <b>0.0113</b> |      |        |
|        |        |      |  |               |      |        |
|        |        |      | <b>Main Data</b>   |               |      |        |
|        |        |      | <b>Frames</b>  |               |      |        |
|        | 0.0278 | Cu.m | Teak Wood Scantlings over 2m & below 3m in length  |               | Cu.m |        |
|        | 0.0052 | Cu.m | Teak Wood Scantlings upto 2m in length   |               | Cu.m |        |
|        | 0.0330 | Cu.m | Labour Wrought and put up in position for Frames   |               | Cu.m |        |
|        |        |      | <b>Shutters</b>  |               |      |        |
|        | 0.0123 | Cu.m | Teak Wood Scantlings over 2m & below 3m in length  |               | Cu.m |        |
|        | 0.0141 | Cu.m | Teak Wood Scantlings upto 2m in length   |               | Cu.m |        |
|        | 0.0113 | Cu.m | Teak Wood Planks over 30cm wide and 12mm to 25mm thick   |               | Cu.m |        |
|        | 1.4320 | Sq.m | Labour Wrought and put up for Shutters fully panelled doors including labour charges for Fixing Furniture  |               | Sq.m |        |
|        | 6.00   | Nos  | Iron "Z" Hold fast 230 x 40 x 5mm fixed with screws  |               | Each |        |
|        | 3.00   | Nos  | Butt Hinges fixed with No 10 screws of 50mm length- 8Nos<br>125 x 65 x 2.12mm LO<br>125 X 63 X 4.8/4mm AL. |               | Each |        |
|        | 1.00   | Nos  | Top Tower Bolt 12mm dia<br>200 x 38 x 2.4mm  |               | Each |        |
|        | 1.00   | Nos  | Lock Rail Tower Bolt 12mm dia<br>150 x 38 x 2.4mm  |               | Each |        |
|        | 1.00   | Nos  | Aldrop of size 16 x 250mm  |               | Each |        |
|        | 1.00   | Nos  | 50mm dia Rubber block  |               | Each |        |
|        | 0.25   | Nos  | Fitter Class - I   |               | Each |        |
|        |        |      | Rate for 1.432 Sq.m  |               |      |        |

| Sl. No     | Qty  |      | Description of work                               | Rate          | Per  | Amount |
|------------|--|------|---|---------------|------|--------|
|            |  |      | <b>Sub Total for 1 sq.m (X)</b>                   |               |      |        |
|            |  |      | <b>Add water charges @1% of Sub Total X</b>       |               |      |        |
|            |  |      | <b>Rate for 1sq.m.</b>                            |               |      |        |
| <b>520</b> | <b>Supplying and Fixing of Fully Panelled Doors - External or Internal Moulded Planks Single Leaf 800 X 2100 Type 'B' - (Unequal Panels) Etc, Complete Complying With Standard Specification and as Directed by the Departmental officers.</b> |      |   |               |      |        |
|            |  |      | Materials required                                |               |      |        |
|            |  |      | <b>Frame :</b>                                    |               |      |        |
|            |  |      | Posts 2 x 2.14 x 0.065 x 0.10                     | 0.0278        |      |        |
|            |  |      | Horizontal top 1 x 0.80 x 0.065 x 0.10            | 0.0052        |      |        |
|            |  |      | Total   | <b>0.0330</b> |      |        |
|            |  |      | <b>Shutters</b>                                   |               |      |        |
|            |  |      | Styles 2 x 2.045 x 0.075 x 0.04                   | <b>0.0123</b> |      |        |
|            |  |      | Top rail 1 x 0.70 x 0.075 x 0.04                  | 0.0021        |      |        |
|            |  |      | Lock rail 1 x 0.65 x 0.125 x 0.04                 | 0.0033        |      |        |
|            |  |      | Bottom rail 1 x 0.70 x 0.150 x 0.04               | 0.0042        |      |        |
|            |  |      |   | <b>0.0096</b> |      |        |
|            |  |      | <b>Planks</b>                                     |               |      |        |
|            |  |      | Panels Top 1 x 1.074 x 0.574 x 0.012              | 0.0074        |      |        |
|            |  |      | Panels Bottom 1 x 0.669 x 0.574 x 0.012           | 0.0046        |      |        |
|            |  |      |   | <b>0.0120</b> |      |        |
|            |  |      | <b>Main Data</b>                                  |               |      |        |
|            |  |      | <b>Frames</b>                                     |               |      |        |
|            | 0.0278   | Cu.m | Teak Wood Scantlings over 2m & below 3m in length |               | Cu.m |        |
|            | 0.0052   | Cu.m | Teak Wood Scantlings upto 2m in length            |               | Cu.m |        |
|            | 0.0330   | Cu.m | Labour Wrought and put up in position for Frames  |               | Cu.m |        |
|            |  |      | <b>Shutters</b>                                   |               |      |        |
|            | 0.0123   | Cu.m | Teak Wood Scantlings over 2m & below 3m in length |               | Cu.m |        |

| Sl. No     | Qty  |      | Description of work   | Rate          | Per  | Amount |
|------------|--|------|---|---------------|------|--------|
|            | 0.0096   | Cu.m | Teak Wood Scantlings upto 2m in length  |               | Cu.m |        |
|            | 0.0120   | Cu.m | Teak Wood Planks over 30cm wide and 12mm to 25mm thick  |               | Cu.m |        |
|            | 1.4320   | Sq.m | Labour Wrought and put up for Shutters fully panelled doors including labour charges for Fixing Furniture |               | Sq.m |        |
|            | 6.00   | Nos  | Iron "Z" Hold fast 230 x 40 x 5mm fixed with screws   |               | Each |        |
|            | 3.00   | Nos  | Butt Hinges fixed with screws of 50mm length<br>125 x 65 x 2.12mm LO<br>125 X 63 X 4.8/4mm AL.            |               | Each |        |
|            | 1.00   | No   | Top Tower Bolt 12mm dia<br>200 x 38 x 2.4mm   |               | Each |        |
|            | 1.00   | No   | Lock Rail Tower Bolt 12mm dia<br>150 x 38 x 2.4mm   |               | Each |        |
|            | 1.00   | No   | Aldrop of size 16 x 250mm   |               | Each |        |
|            | 1.00   | No   | 50mm dia Rubber block   |               | Each |        |
|            | 0.25   | No   | Fitter Class - I  |               | Each |        |
|            |  |      | Rate for 1.432 Sq.m   |               |      |        |
|            |  |      | <b>Sub Total for 1 sq.m (X)</b>   |               |      |        |
|            |  |      | <b>Add water charges @1% of Sub Total X</b>   |               |      |        |
|            |  |      | <b>Rate for 1sq.m.</b>  |               |      |        |
| <b>521</b> | <b>Supplying and Fixing of Fully Panelled Doors - External or Internal Moulded Planks Single Leaf 800 X 2100 Type 'C' - ( Single Panels) Etc, Complete Complying With Standard Specification and as Directed by the Departmental officers.</b> |      |   |               |      |        |
|            |  |      | Materials required  |               |      |        |
|            |  |      | <b>Frame :</b>  |               |      |        |
|            |  |      | Posts 2 x 2.14 x 0.065 x 0.10   | 0.0278        |      |        |
|            |  |      | Horizontal top 1 x 0.80 x 0.065 x 0.10  | 0.0052        |      |        |
|            |  |      | Total   | <b>0.0330</b> |      |        |
|            |  |      | <b>Shutters</b>   |               |      |        |
|            |  |      | Styles 2 x 2.045 x 0.075 x 0.04   | <b>0.0123</b> |      |        |
|            |  |      | Top rail 1 x 0.70 x 0.075 x 0.04  | 0.0021        |      |        |
|            |  |      | Bottom rail 1 x 0.70 x 0.15 x 0.04  | 0.0042        |      |        |

| Sl. No | Qty    |      | Description of work   | Rate          | Per  | Amount |
|--------|--------|------|---|---------------|------|--------|
|        |        |      |   | <b>0.0063</b> |      |        |
|        |        |      | <b>Planks</b>   |               |      |        |
|        |        |      | Panels 1 x 1.844 x 0.574 x 0.012  | 0.0127        |      |        |
|        |        |      |   | <b>0.0127</b> |      |        |
|        |        |      | <b>Main Data</b>  |               |      |        |
|        |        |      | <b>Frames</b>   |               |      |        |
|        | 0.0278 | Cu.m | Teak Wood Scantlings over 2m & below 3m in length   |               | Cu.m |        |
|        | 0.0052 | Cu.m | Teak Wood Scantlings upto 2m in length  |               | Cu.m |        |
|        | 0.0330 | Cu.m | Labour Wrought and put up in position for Frames  |               | Cu.m |        |
|        |        |      | <b>Shutters</b>   |               |      |        |
|        | 0.0123 | Cu.m | Teak Wood Scantlings over 2m & below 3m in length   |               | Cu.m |        |
|        | 0.0063 | Cu.m | Teak Wood Scantlings upto 2m in length  |               | Cu.m |        |
|        | 0.0127 | Cu.m | Teak Wood Planks over 30cm wide and 12mm to 25mm thick  |               | Cu.m |        |
|        | 1.4320 | Sq.m | Labour Wrought and put up for Shutters fully panelled doors including labour charges for Fixing Furniture |               | Sq.m |        |
|        | 6.00   | Nos  | Iron "Z" Hold fast 230 x 40 x 5mm fixed with screws   |               | Each |        |
|        | 3.00   | Nos  | Butt Hinges fixed with screws of 50mm length<br>125 x 65 x 2.12mm LO<br>125 X 63 X 4.8/4mm AL.            |               | Each |        |
|        | 1.00   | No   | Top Tower Bolt 12mm dia<br>200 x 38 x 2.4mm   |               | Each |        |
|        | 1.00   | No   | Lock Rail Tower Bolt 12mm dia<br>150 x 38 x 2.4mm   |               | Each |        |
|        | 1.00   | No   | Aldrop of size 16 x 250mm   |               | Each |        |
|        | 1.00   | No   | 50mm dia Rubber block   |               | Each |        |
|        | 0.25   | No   | Fitter Class - I  |               | Each |        |
|        |        |      | Rate for 1.432 Sq.m =   |               |      |        |
|        |        |      | <b>Sub Total for 1 sq.m (X)</b>   |               |      |        |
|        |        |      | <b>Add water charges @1% of Sub Total X</b>   |               |      |        |
|        |        |      | <b>Rate for 1sq.m.</b>  |               |      |        |

