

122

**PROP. CONST OF PROCESSING UNIT & MAINTAINANCE ROOM  
FOR VARHAD BHUMI AGRO PRODUCER COMPANY  
AT-KURHAD PO-LADEGAON TQ-KRANJA DIST-WASHIM**

**MEASUREMENT**

| Item  | No | L    | B    | D    | Qty                  |
|---|----|------|------|------|----------------------|
| 1<br>Excavation for foundation in earth, soil of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50m. beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete.<br>(Lift upto 1.5 m.) By Mechanical<br>[SSR I.No. 21.02 P.No.153<br><b>FOR PROCCSSING UNIT &amp; MAINTAINANCE ROOM</b> | 12 | 1.50 | 1.50 | 1.20 | 32.40                |
|   |    |      |      |      | <b>32.40<br/>Cum</b> |
| 2<br>Excavation for foundation in hard murum including removing the excavated material upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary backfilling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m )<br><br>[SSR I.No. 3 P.No.8]<br><b>FOR PROCCSSING UNIT &amp; MAINTAINANCE ROOM</b>   | 12 | 1.50 | 1.50 | 0.60 | 16.20                |
|   |    |      |      |      | <b>16.20<br/>Cum</b> |

123

3

Excavation for foundation in hard murum and boulders including removing the excavated materials up to a distance 50 metres,beyond the building area and stacking and spreading as directed dewatering preparing the bed for the foundation and necessary back filling,ramming, watering including shoring and strutting etc. complete. (Lift upto 1.5 m.)

[Spec.No. :Bd.A.3 Page No. 0501  
[SSR I.No. 5 P.No.9]

**FOR PROCCSSING UNIT & MAINTAINANCE ROOM** 12 1.50 1.50 0.30 8.10

**8.10**  
**Cum**

4

Providing soling using 80 mm size trap metal in 15 cm.layer including filling voids with sand/grit ramming ,watering complete [ Spec.No. : As directed by Engineer incharge.]

[SSR I.No. 16 P.No.11]

**FOR PROCCSSING UNIT & MAINTAINANCE ROOM** 12 1.50 1.50 0.15 4.05

**4.05**  
**Cum**

5

Providing and laying is situ, cement concrete in 1:4:8 of trap/granite/quartzite/gneiss metal for foundation and bedding including bailing out water manually from work, compacting and curing.

[Spec.No. :Bd.E.1 Page No.287]

[SSR I.No. 3 P.No.14]

**FOR PROCCSSING UNIT & MAINTAINANCE ROOM** 12 1.50 1.50 0.10 2.70  
1 22.86 13.71 0.10 31.34

**34.04**  
**Cum**

124

6 Providing and laying in situ, cement concrete of trap/ granite/ quartzite/ gneiss metal for R.C.C work in foundation like raft, strips, foundation, grillage, and footings of R.C.C. columns and steel stanchions including bailing out water manually, form work, compaction, curing and roughening the surface if special finish is to be provided, etc. complete. (Excluding reinforcement and structural steel). SSR.I.No.24.04 page No.174

**FOR PROCCSSING UNIT & MAINTAINANCE ROOM**      12      1.20      1.20      0.15      2.592

$$\frac{14 * 0.450 \{ 1.50 * 1.50 \} + \{ 0.33 * 0.63 \} * \{ 1.50 * 0.33 \} * \{ 1.50 * 0.63 \}}{6} = 6.67359$$

$$\frac{6 * 0.30 \{ 1.20 * 1.20 \} + \{ 0.33 * 0.40 \} * \{ 1.20 * 0.33 \} * \{ 1.20 * 0.40 \}}{6} = 1.1502$$

**Total Qty**      10.42  
Cum

7 Providing and casting in situ, cement concrete M-20 of trap /granite /quartzite/ gneiss metal for R.C.C. columns as per detailed drawing and designs, or as directed including centering, form work, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give a smooth and even surface or roughening the surface if special finish is to be provided and curing etc. complete. ( Excluding rainforcement)

S.S.R.I.No.25.01 page No.178

**FOR PROCCSSING UNIT & MAINTAINANCE ROOM**      12      0.23      0.45      8.05      9.998

10.00  
Cum

125

- 8 Providing & casting in situ cement concrete M-20 of trap/granite/quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering formwork, compaction ,finishing the formed surface with C.M. 1:3  
S.S.R.I.No.25,50 page No.181

|  |          |       |       |      |       |
|--|----------|-------|-------|------|-------|
| <b>FOR PROCCSSING UNIT &amp; MAINTAINANCE ROOM</b> | <b>2</b> | 17.00 | 0.23  | 0.30 | 2.346 |
|  | <b>4</b> | 6.40  | 0.23  | 0.30 | 1.766 |
|  | <b>4</b> | 1.80  | 0.23  | 0.30 | 0.497 |
| <b>Lintel</b>                                      | <b>2</b> | 17.00 | 0.230 | 0.30 | 2.346 |
|  | <b>4</b> | 6.40  | 0.23  | 0.30 | 1.766 |

|             |
|-------------|
| <b>8.72</b> |
| <b>Cum</b>  |

- 9 Filling in plinth and floors with contractors soil sand or murum in 15 cm. to 20 cm layers including watering and compaction complete.

[Spec.No. :Bd.A.11 Page No. 263 ]  
SSR.I.No.14 Page No.11

|  |          |      |       |      |        |
|--|----------|------|-------|------|--------|
| <b>FOR PROCCSSING UNIT &amp; MAINTAINANCE ROOM</b> | <b>1</b> | 6.00 | 16.54 | 1.00 | 99.240 |
|--|----------|------|-------|------|--------|

|              |
|--------------|
| <b>99.24</b> |
| <b>Cum</b>   |

126

10 Providing & casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for R.C.C.chajja as per detailed design & drawings including centering,formwork, compaction, finishing the formed surface with C.M. 1:3 of sufficient minimum thickness to give asmooth and even surface or & roughening the surface if special finish is to be provided & curing.(Excluding reinforcement).

[SSR.No. :Bd.26.05 Page No.184

37 1.10 0.60 0.075 1.832

1.83  
Cum

11 Providing and casting in situ cement concrete M-20 of trap/granite/quartzite/gneiss metal for R.C.C.slabs and landings as per detailed designs and drawings including centering, formwork,compaction ,finishing the formed surface with C.M. 1:3 of sufficient

**PLINTH**

**FOR PROCSSING UNIT & MAINTAINANCE ROOM**

1 6.00 16.54 0.10 9.924

9.92  
Cum

127

12 Providing and fixing in position TMT-FE-500 bar reinforcement of various diameters for R.C.C. pile caps, footings, foundations, slabs, beams, columns, canopies, staircase, newels, chajjas, lintels, parades, copings, fins, arches etc. as per detailed designs, drawings and schedules. including cutting, bending, hooking the bars, binding with wires or tack welding and supporting as required complete.

|                     |       |   |          |              |
|---------------------|-------|---|----------|--------------|
| Footings.           | 10.42 | x | 190.00   | 1979.000     |
| Coloumn             | 10.00 | x | 190.00   | 1899.639     |
| Beam                | 8.722 | x | 190.00   | 1657.104     |
| Slab                | 9.924 | x | 190.00   | 1885.560     |
| Chhaja              | 1.832 | x | 190.00   | 347.985      |
|                     |       |   |          | 7769.288     |
|                     |       |   |          | Kg           |
| <b>NET QUANTITY</b> |       |   | 7769.288 | 0.001        |
|                     |       |   | 0        | <b>7.769</b> |

13 Providing and fixing mild steel grill work for windows, ventilators, etc. 15 kg/sq.m as per drawing including fixtures necessary welding and painting with one coat of anticorrosive paint and two coats of oil painting complete. [Spec.No. :Bd.U.1 Page No.537

|   |    |       |       |            |
|---|----|-------|-------|------------|
| <b>FOR PROCSSING UNIT &amp; MAINTAINANCE ROOM</b> |    |       |       |            |
| V1  | 16 | 0.600 | 0.600 | 5.760      |
| V2  | 26 | 1.000 | 0.600 | 15.600     |
|   |    |       |       | 21.360     |
|   |    |       |       | <b>Sqm</b> |

128

14 Providing and fabricating **structural steel work** in rolled sections like **joists, channels, angles, tees etc.** as per detailed design and drawings or as directed including cutting, fabricating, hoisting, erecting, fixing in position making riveted / bolted / welded connections **without connecting plates, braces etc.** and including one coat of anticorrosive paint and over it two coats of oil painting of approved quality and shade complete.  
Spec. No. : Bd.C. 2/Page No. 275

**FOR PROCSSING UNIT & MAINTAINANCE ROOM**

5 1.500

7.500

7.500  
MT

15 Providing second class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in foundations and plinth of inner walls/in plinth external walls including bailing out water manually, striking joints on unexposed faces, raking out joint  
[SSR I.No. 1 P.No.29]  
**FOR PROCSSING UNIT & MAINTAINANCE ROOM**

|   |        |       |       |       |
|---|--------|-------|-------|-------|
| 2 | 6.400  | 0.230 | 1.000 | 2.944 |
| 2 | 17.000 | 0.230 | 1.000 | 7.820 |

Total

10.764  
10.764  
Sqm

129

|    |  |   |        |               |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
|----|--|---|--------|---------------|-------|-------|--------|---|-------|-------|-------|--------|--|--|--|--|---------------|--|--|--|--|-----|---|-------|-------|-------|--------|---|----|-------|-------|-------|--|--|--|--|--------|--|--|--------|--------|---------------|--|--|--|--|-----|
| 16 | <p>Providing second class Burnt Brick masonry with conventional/I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, raking out, joints, watering and scaffolding complete.<br/>[SSR I.No. 4 P.No.29]</p> <p><b>FOR PROCSSING UNIT &amp; MAINTAINANCE ROOM</b></p> | <table border="0"> <tr><td>2</td><td>17.000</td><td>0.230</td><td>5.600</td><td>43.792</td></tr> <tr><td>2</td><td>6.400</td><td>0.230</td><td>5.600</td><td>16.486</td></tr> <tr><td colspan="4"></td><td style="border-top: 1px dashed black;"><b>60.278</b></td></tr> <tr><td colspan="4"></td><td style="text-align: center;">Cum</td></tr> <tr><td>6</td><td>3.000</td><td>0.230</td><td>3.000</td><td>12.420</td></tr> <tr><td>V</td><td>46</td><td>0.600</td><td>0.600</td><td>3.809</td></tr> <tr><td colspan="4"></td><td style="border-top: 1px dashed black;">16.229</td></tr> <tr><td colspan="2"></td><td>60.278</td><td>16.229</td><td style="border: 1px solid black;"><b>44.050</b></td></tr> <tr><td colspan="4"></td><td style="text-align: center;">Cum</td></tr> </table> | 2      | 17.000        | 0.230 | 5.600 | 43.792 | 2 | 6.400 | 0.230 | 5.600 | 16.486 |  |  |  |  | <b>60.278</b> |  |  |  |  | Cum | 6 | 3.000 | 0.230 | 3.000 | 12.420 | V | 46 | 0.600 | 0.600 | 3.809 |  |  |  |  | 16.229 |  |  | 60.278 | 16.229 | <b>44.050</b> |  |  |  |  | Cum |
| 2  | 17.000   | 0.230   | 5.600  | 43.792        |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
| 2  | 6.400  | 0.230   | 5.600  | 16.486        |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
|    |  |   |        | <b>60.278</b> |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
|    |  |   |        | Cum           |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
| 6  | 3.000  | 0.230   | 3.000  | 12.420        |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
| V  | 46   | 0.600   | 0.600  | 3.809         |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
|    |  |   |        | 16.229        |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
|    |  | 60.278  | 16.229 | <b>44.050</b> |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |
|    |  |   |        | Cum           |       |       |        |   |       |       |       |        |  |  |  |  |               |  |  |  |  |     |   |       |       |       |        |   |    |       |       |       |  |  |  |  |        |  |  |        |        |               |  |  |  |  |     |

|    |  |   |               |      |      |       |   |       |      |        |  |  |  |               |  |  |  |     |
|----|--|---|---------------|------|------|-------|---|-------|------|--------|--|--|--|---------------|--|--|--|-----|
| 17 | <p>Providing sand faced plaster externally in cement mortar using Kharsalia/Kasaba or similar type of sand, in all positions including base coat of 15mm thick in C.M. 1:4 using waterproofing compound at 1kg.per cement bag curing the same for not less than 2 d<br/>[SSR I.No. 4 P.No.41]</p> <p><b>FOR PROCSSING UNIT &amp; MAINTAINANCE ROOM</b></p> | <table border="0"> <tr><td>2</td><td>6.40</td><td>6.60</td><td>84.48</td></tr> <tr><td>2</td><td>17.00</td><td>6.60</td><td>224.40</td></tr> <tr><td colspan="3"></td><td style="border-top: 1px dashed black;"><b>308.88</b></td></tr> <tr><td colspan="3"></td><td style="text-align: center;">Sqm</td></tr> </table> | 2             | 6.40 | 6.60 | 84.48 | 2 | 17.00 | 6.60 | 224.40 |  |  |  | <b>308.88</b> |  |  |  | Sqm |
| 2  | 6.40   | 6.60  | 84.48         |      |      |       |   |       |      |        |  |  |  |               |  |  |  |     |
| 2  | 17.00  | 6.60  | 224.40        |      |      |       |   |       |      |        |  |  |  |               |  |  |  |     |
|    |  |   | <b>308.88</b> |      |      |       |   |       |      |        |  |  |  |               |  |  |  |     |
|    |  |   | Sqm           |      |      |       |   |       |      |        |  |  |  |               |  |  |  |     |

|    |   |  |                                     |                          |   |
|----|---|--|-------------------------------------|--------------------------|---|
| 18 | <p>Providing internal cement plaster 12mm. thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding &amp; curing complete.<br/>[SSR I.No. 3 P.No.44]</p>   | <p><b>FOR PROCSSING UNIT &amp; MAINTAINANCE ROOM</b></p> | <p>4 6.00 5.60<br/>2 16.54 5.60</p> | <p>134.40<br/>185.25</p> | <p>-----<br/><b>319.65</b><br/><b>Sqm</b></p> |
| 19 | <p>Providing and laying polished Shahabad stone flooring 25mm to 30mm thick &amp; of reqd. width in plain/diama nd pattern on a bed of 1:6 cement mortar including cement float,filling joints with neat cement slurry,curing,polishing and cleaning complete. [Spec.No. [SSR I.No. 5 P.No.70]</p>                    | <p><b>FOR PROCSSING UNIT &amp; MAINTAINANCE ROOM</b></p> | <p>1 6.00 16.54</p>                 | <p>99.24</p>             | <p>-----<br/><b>99.24</b><br/><b>Sqm</b></p>  |
| 20 | <p>Providing and fixing rolling steel shutters fabricated from 20 guage steel laths with slide guides, bottom rail, brackets, door suspension shaft including rolling springs, locking arrangement and housing box at top including one coat of red lead primer etc. complete.<br/>Spec.No.: Bd.T.55/Page No.510.</p> | <p><b>FOR PROCSSING UNIT &amp; MAINTAINANCE ROOM</b></p> | <p>4 2.10 3.00</p>                  | <p>25.20</p>             | <p>-----<br/><b>25.20</b><br/><b>Sqm</b></p>  |
| 21 | <p>Providing and applying primer coat for wall surface to receive oil bond distemper treatment. [ Spec.No. : As directed by Engineer incharge.]<br/>{SSR. Item No. 19 Page No. 65}</p>  | <p><b>Quantity as per Ext, Inner. Plaster</b></p>        | <p>308.880 319.648</p>              | <p></p>                  | <p>-----<br/><b>628.53</b><br/><b>Sqm</b></p> |

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22 Providing & applying washable oil bound distemper of approved colour & shed to new surfaces in two coats including scaffolding & preparing the surfaces [excluding primer coat] complete. [Spec.No. :Bd.P.5 Page No.413 ]

**SSR.I.No.14page No.64**

**Quantity as per Inner. Plaster**

319.65

319.65

**319.648**  
**Sqm**

23 Providing and applying 3 coats of water proof cement paint of approved manufacture and of approved colour to the plastered surface including scaffolding if necessary, cleaning and preparing the surface, watering for two days complete. [Spec.No. :Bd.O.8 Pa SSR.I.No.20 page No.62

**Quantity as per Outer. Plaster**

308.88

308.88

**308.880**  
**Sqm**

24 Providing and fixing corrugated galvanised iron sheets for roofing with wind ties including fastening with galvanised iron screw and bolts and lead and bitumen washers as per drawing complete.

a) For 20 B.W.G.

1)Corrugated

**FOR PROCSSING UNIT & MAINTAINANCE ROOM**

|   |       |       |
|---|-------|-------|
| 1 | 6.40  | 17.00 |
| 2 | 6.40  | 1.45  |
| 2 | 17.00 | 1.45  |

108.80  
18.56  
49.30

**176.66**  
**Sqm**