AN ISO 9001 & 14001 COMPANY

TENDER DOCUMENT

TENDER No: DLI/ CON/ 644/ 495

FOR

‘Construction of 02 Nos. Platoon level Border out Posts (BOP) at Rajeev Nagar and New Amchurimukh along Indo-Bangladesh border in the state of Mizoram’

VOLUME – III

Price Bid/ Bill of Quantity
## PRICE -BID

**Name of Work:** ‘Construction of 02 Nos. Platoon level Border out Posts (BOP) at Rajeev Nagar and New Amchurimukh along Indo-Bangladesh border in the state of Mizoram’.

**NIT No. DLI/CON/644/495**

<table>
<thead>
<tr>
<th>SL NO.</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>QTY.</th>
<th>ESTIMATED COST (in Rs)</th>
<th>BIDDER’S PRICE</th>
<th>AMOUNT IN RUPEES AFTER ADDING PERCENTAGE ABOVE/AT PAR/Below</th>
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<td>No</td>
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**TOTAL (in Fig)**

12,81,02,148.00

**TOTAL (IN WORDS)**

Quoted Price (in Words) Rupees

Date

SIGN & SEAL OF THE BIDDER
**A. CIVIL WORKS**

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<th>BOQ AMOUNT (₹)</th>
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<td>1</td>
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<td>2</td>
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**B. MISCELLANEOUS WORKS**

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**C. PLUMBING WORKS**

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<td>SOIL WASTE &amp; RAIN WATER</td>
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<td>WATER SUPPLY GI MEDIUM GRADE PIPE</td>
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<td>EXTERNAL SEWERAGE AND DRAINAGE</td>
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<td>UNDER GROUND WATER TANK</td>
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<td>STORM WATER DRAIN</td>
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<td>SUPPLY AND INSTALLATION OF FANS &amp; LIGHT FIXTURES</td>
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**GRAND TOTAL OF A+B+C+D (₹)= 64442209.32**
### Construction Platoon level Border out Post (BOP) at Rajeev Nagar along Indo-Bangladesh border in the state of Mizoram

#### BILL OF QUANTITIES

<table>
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<th>Sl. No.</th>
<th>Reference</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
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<td>1</td>
<td>2.1</td>
<td>Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed</td>
<td>100 sqm</td>
<td>8262.32</td>
<td>35.00</td>
<td>289181.20</td>
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<td>2.1.1</td>
<td>All kinds of soil</td>
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<tr>
<td>2</td>
<td>2.6</td>
<td>Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.</td>
<td>cum</td>
<td>254.87</td>
<td>3020.00</td>
<td>769707.40</td>
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<td>2.6.1</td>
<td>All kinds of soil</td>
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<tr>
<td>3</td>
<td>2.8</td>
<td>Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.</td>
<td>cum</td>
<td>257.99</td>
<td>3375.00</td>
<td>870716.25</td>
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<td>2.8.1</td>
<td>All kinds of soil</td>
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<td>4</td>
<td>2.25</td>
<td>Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.</td>
<td>cum</td>
<td>184.11</td>
<td>1200.00</td>
<td>220932.00</td>
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<td>5</td>
<td>2.26</td>
<td>Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.</td>
<td>cum</td>
<td>75.76</td>
<td>2800.00</td>
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<td>2.26.1</td>
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<td>6</td>
<td>2.27</td>
<td>Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.</td>
<td>cum</td>
<td>1490.99</td>
<td>325.00</td>
<td>484571.75</td>
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<td>7</td>
<td>2.31</td>
<td>Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.</td>
<td>100 sqm</td>
<td>1051.60</td>
<td>45.00</td>
<td>47322.00</td>
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<tr>
<td>8</td>
<td>2.34</td>
<td>Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20%</td>
<td>litre</td>
<td>304.59</td>
<td>1150</td>
<td>350278.50</td>
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<tr>
<td>9</td>
<td>2.35</td>
<td>Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall &amp; rodding etc. complete: With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration</td>
<td>metre</td>
<td>25.23</td>
<td>585</td>
<td>14759.55</td>
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<td>TOTAL SUB HEAD - 1 = 3259596.65</td>
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<td>1</td>
<td>4.1</td>
<td>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :</td>
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<tr>
<td>a)</td>
<td>4.1.3</td>
<td>1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>8953.80</td>
<td>2.275</td>
<td>20369.90</td>
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<td>b)</td>
<td>4.1.5</td>
<td>(a) 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>7918.58</td>
<td>1240.00</td>
<td>9819039.20</td>
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<td>c)</td>
<td>4.1.8</td>
<td>(b) 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)</td>
<td>cum</td>
<td>7045.28</td>
<td>52.00</td>
<td>366354.56</td>
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<td>2</td>
<td>4.3</td>
<td>Centering and shuttering including strutting, propping etc. and emoval of form work for :</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>4.3.1</td>
<td>Foundations, footings, bases for columns</td>
<td>sqm</td>
<td>321.79</td>
<td>1075</td>
<td>345924.25</td>
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<tr>
<td>b)</td>
<td>4.3.2</td>
<td>Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.</td>
<td>sqm</td>
<td>590.99</td>
<td>715</td>
<td>422557.85</td>
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<td>c)</td>
<td>4.3.3</td>
<td>Columns, piers, abutments, pillars, posts and struts</td>
<td>sqm</td>
<td>742.59</td>
<td>1350</td>
<td>1002496.50</td>
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<td>3</td>
<td>4.5</td>
<td>Providing and fixing up to floor five level precast cement concrete string or lacing courses, copings, bed plates, anchor blocks, plain window sills, shelves, louvers, steps, stair cases, etc., including hoisting and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand), cost of required centering complete.</td>
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<td>a)</td>
<td>4.5.1</td>
<td>1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>11095.89</td>
<td>152</td>
<td>1686575.28</td>
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<td>b)</td>
<td>4.5.2</td>
<td>1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>10269.93</td>
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<td>4</td>
<td>4.10</td>
<td>DAMP- PROOF COURSE Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).</td>
<td>sqm</td>
<td>422.28</td>
<td>160</td>
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<tr>
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<td>5.1</td>
<td>CAST-IN-SITU Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :</td>
<td>cum.</td>
<td>10205.07</td>
<td>235</td>
<td>2398191.45</td>
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<td>5.1.2</td>
<td>1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
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<td>2</td>
<td>5.2</td>
<td>Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement :</td>
<td>cum</td>
<td>11587.70</td>
<td>53.5</td>
<td>619941.95</td>
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<td>5.2.2</td>
<td>1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
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<td>3</td>
<td>5.3</td>
<td>Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).</td>
<td>cum</td>
<td>11102.69</td>
<td>91.25</td>
<td>1013120.46</td>
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<td>5.9</td>
<td>Centering and shuttering including strutting, propping etc. and removal of form for :</td>
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<td>321.79</td>
<td>1160</td>
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<td>5.9.1</td>
<td>Foundations, footings, bases of columns, etc. for mass concrete</td>
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<td>590.99</td>
<td>31.5</td>
<td>18616.19</td>
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<td>b)</td>
<td>5.9.2</td>
<td>Walls (any thickness) including attached pilasters, butterresses, plinth and string courses etc.</td>
<td>sqm</td>
<td>657.90</td>
<td>27</td>
<td>17763.30</td>
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<td>c)</td>
<td>5.9.4</td>
<td>Shelves (Cast in situ)</td>
<td>sqm</td>
<td>544.06</td>
<td>296</td>
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<td>d)</td>
<td>5.9.5</td>
<td>Lintels, beams, plinth beams, girders, bressumers and cantilevers</td>
<td>sqm</td>
<td>742.59</td>
<td>680</td>
<td>504961.20</td>
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<td>e)</td>
<td>5.9.6</td>
<td>Columns, Pillars, Piers, Abutments, Posts and Struts</td>
<td>sqm</td>
<td>648.07</td>
<td>34</td>
<td>22034.38</td>
</tr>
<tr>
<td>f)</td>
<td>5.9.7</td>
<td>Stairs, (excluding landings) except spiral-staircases</td>
<td>sqm</td>
<td>321.79</td>
<td>48</td>
<td>15445.92</td>
</tr>
<tr>
<td>g)</td>
<td>5.9.15</td>
<td>Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like</td>
<td>sqm</td>
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<td>TOTAL SUB HEAD - 4 =</td>
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<td>1113139.15</td>
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<tr>
<td><strong>SUB HEAD - 5</strong></td>
<td>Steel Reinforcement</td>
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<td>1</td>
<td>5.22</td>
<td>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars</td>
<td>Kg</td>
<td>111.55</td>
<td>35580</td>
<td>3968949.00</td>
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<td>2</td>
<td>5.22A</td>
<td>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars</td>
<td>Kg</td>
<td>111.55</td>
<td>22715</td>
<td>2533858.25</td>
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<td><strong>TOTAL SUB HEAD - 5</strong></td>
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<td><strong>6502807.25</strong></td>
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<td><strong>SUB HEAD - 6</strong></td>
<td>Brick Work</td>
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<tr>
<td>1</td>
<td>Market Rate</td>
<td>Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand)</td>
<td>cum</td>
<td>13041.60</td>
<td>52.75</td>
<td>687944.40</td>
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<tr>
<td>2</td>
<td>Market Rate</td>
<td>Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in: Cement mortar 1:6 (1 cement : 6 coarse sand)</td>
<td>cum</td>
<td>13041.60</td>
<td>265</td>
<td>3456024.00</td>
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<td>3</td>
<td>Market Rate</td>
<td>Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:3 (1 cement : 3 coarse sand)</td>
<td>sqm</td>
<td>1630.20</td>
<td>722</td>
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<td><strong>SUB HEAD - 7</strong></td>
<td>Marble/Granite Work</td>
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<tr>
<td>1</td>
<td>8.2</td>
<td>Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>8.2.2</td>
<td>Granite of any colour and shade</td>
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<td></td>
<td>8.2.2.1</td>
<td>Area of slab upto 0.50 sqm</td>
<td>sqm</td>
<td>6332.51</td>
<td>2.48</td>
<td>15704.62</td>
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<td></td>
<td>8.2.2.2</td>
<td>Area of slab over 0.50 sqm</td>
<td>sqm</td>
<td>6400.32</td>
<td>16.29</td>
<td>104261.21</td>
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<td>2</td>
<td>8.10</td>
<td>Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. Granite Stone of approved shade</td>
<td>sqm</td>
<td>5345.61</td>
<td>1.58</td>
<td>8446.06</td>
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<td>3</td>
<td>8.3</td>
<td>Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc.</td>
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<tr>
<td>8.3.2</td>
<td></td>
<td>complete as per design approved by Engineer-in-Charge. Granite work</td>
<td>metre</td>
<td>377.64</td>
<td>43.2</td>
<td>16314.05</td>
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<tr>
<td>4</td>
<td>8.4</td>
<td>Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.</td>
<td>metre</td>
<td>405.24</td>
<td>22.5</td>
<td>9117.90</td>
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<tr>
<td>5</td>
<td>8.5</td>
<td>Extra for providing opening of required size &amp; shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.</td>
<td>metre</td>
<td>633.25</td>
<td>6.75</td>
<td>4274.44</td>
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<td><strong>TOTAL SUB HEAD - 7 =</strong></td>
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<td></td>
<td><strong>158118.29</strong></td>
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**SUB HEAD - 8 WOOD AND PVC WORK**

<table>
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<tr>
<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
<th>Unit</th>
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<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9.1</td>
<td>Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia &amp; length (hold fast lugs or dash fastener shall be paid for separately). Sal wood</td>
<td>cum</td>
<td>123764.99</td>
<td>1.66</td>
<td>205449.88</td>
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<tr>
<td>2</td>
<td>9.21</td>
<td>Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws</td>
<td>sqm</td>
<td>3127.84</td>
<td>90.72</td>
<td>283757.64</td>
</tr>
<tr>
<td>3</td>
<td>9.23</td>
<td>Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).</td>
<td>sqm</td>
<td>599.26</td>
<td>15.98</td>
<td>9576.17</td>
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<tr>
<td>4</td>
<td>9.26</td>
<td>Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).</td>
<td>sqm</td>
<td>171.25</td>
<td>4.84</td>
<td>828.85</td>
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<tr>
<td>5</td>
<td>9.48</td>
<td>Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings /wooden frames with rawl plugs screws etc.</td>
<td>Kg</td>
<td>191.48</td>
<td>310</td>
<td>59358.80</td>
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<table>
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<th>Quantity</th>
<th>Amount (Rs.)</th>
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<tbody>
<tr>
<td>6</td>
<td>9.117</td>
<td>Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ±1mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be Jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer’s specification and direction of Engineer-in-charge.</td>
<td>metre</td>
<td>350.12</td>
<td>125.8</td>
<td>44045.10</td>
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<tr>
<td></td>
<td>9.117.1</td>
<td>Extruded section profile size 48x40 mm</td>
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<tr>
<td>7</td>
<td>9.118</td>
<td>Providing and fixing to existing door frames. 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. ‘U’ cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer’s specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).</td>
<td>sqm</td>
<td>4453.07</td>
<td>37.8</td>
<td>168326.05</td>
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**TOTAL SUB HEAD - 8 =**

771342.50
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<tr>
<td><strong>SUB HEAD - 9</strong></td>
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<td><strong>STRUCTURAL STEEL WORK</strong></td>
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<td>1</td>
<td>10.2</td>
<td>Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Providing and fixing steel rafter of 65nb H@7.92 Kg/m, 65nb M@6.53 Kg/m, 40 nb M@4.43 Kg/m; steel purlin 40 dia nb M pipe; 6 mm. gusset plate, 12 mm. thick plate, 10 mm. thick plate and ISMC 200 @22.10 Kg/m.</td>
<td>Kg</td>
<td>121.13</td>
<td>6750</td>
<td>817627.5</td>
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<tr>
<td>2</td>
<td>10.1</td>
<td>Fixing standard steel glazed doors, windows and ventilators in walls, including fixing of float glass panes with glazing clips and special metal sash putty of approved make, or metal beading with screws, (only steel windows, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)</td>
<td>Kg</td>
<td>59.62</td>
<td>706</td>
<td>42091.72</td>
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<td><strong>SUB HEAD - 10</strong></td>
<td></td>
<td><strong>FLOORING</strong></td>
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<td>1</td>
<td>11.5</td>
<td>62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture’s specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.</td>
<td>sqm</td>
<td>964.62</td>
<td>72</td>
<td>69452.64</td>
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<tr>
<td>2</td>
<td>11.6</td>
<td>Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.</td>
<td>sqm</td>
<td>617.94</td>
<td>10.8</td>
<td>6673.75</td>
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<td><strong>KOTA STONE FLOORING</strong></td>
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<tr>
<td>3</td>
<td>11.26</td>
<td>Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand)</td>
<td>sqm</td>
<td>1869.61</td>
<td>656.8</td>
<td>1227959.85</td>
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</tr>
<tr>
<td>4</td>
<td>11.27</td>
<td>Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars (laid on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete. CERAMIC GLAZED TILES</td>
<td>sqm</td>
<td>1951.27</td>
<td>69.8</td>
<td>136198.65</td>
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<tr>
<td>5</td>
<td>11.36</td>
<td>Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.</td>
<td>sqm</td>
<td>1370.43</td>
<td>382.5</td>
<td>524189.48</td>
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<td>6</td>
<td>11.39</td>
<td>Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (Cement: 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.</td>
<td>sqm</td>
<td>1556.18</td>
<td>107.6</td>
<td>167444.97</td>
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<td>7</td>
<td>11.41</td>
<td>Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.</td>
<td>sqm</td>
<td>2302.95</td>
<td>88.2</td>
<td>203120.19</td>
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<td>8</td>
<td>11.41.2</td>
<td>Size of Tile 600x600 mm</td>
<td>sqm</td>
<td>2302.95</td>
<td>88.2</td>
<td>203120.19</td>
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<td><strong>2335039.52</strong></td>
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<td></td>
<td>12.21</td>
<td>Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design: In 75x75 mm deep chase</td>
<td>metre</td>
<td>234.40</td>
<td>122.18</td>
<td>28638.99</td>
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<tr>
<td>2</td>
<td>Market Rate</td>
<td>Roofing- Multi-Seam Standing- Coated Galvalume:- Preparing shop drawings, Supply &amp; installation in position Multi-Seam standing seam lock roofing sheet having trapezoidal shape with min. 30 mm. deep crest and 200 mm. pitch distance with guard film. The sheet shall be fixed using self-drilling/ self-tapping screws of size (5.5x55 mm.) with EPDM seal, complete up to any pitch in horizontal / vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The sheet should be supplied in single length without end lap. The profile should be rolled formed from SMP Coating of 18-20 micron over primer coat of 5-7 micron on top and 6-8 micron of service coat in grey colour over primer on back, as per ASTM as 1397. Steel should have 550 mpa yield strength with AZ (total on both side). Material will be supplied as per ASTM A-792. Thickness: 0.50 mm. (TCT)</td>
<td>sqm</td>
<td>1018.84</td>
<td>1221.8</td>
<td>1244818.71</td>
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<tr>
<td>3</td>
<td>Market Rate</td>
<td>Supply and fixing of flashings/ Ridges/ Gutter fabricated out of plain sheet with colour coated galvalume steel sheet in 0.50 mm. (TCT) thickness out of plain sheet using self drilling/ self tapping screws complete.</td>
<td>metre</td>
<td>1334.97</td>
<td>721.4</td>
<td>963047.36</td>
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<td><strong>FINISHING</strong></td>
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<td>13.1</td>
<td>CEMENT PLASTER</td>
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<td>1.1</td>
<td>12 mm cement plaster of mix : sqm</td>
<td>9/23</td>
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<td>1.1.1</td>
<td>1:6 (1 cement: 6 fine sand)</td>
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<td>244.80</td>
<td>1765</td>
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<td>6 mm cement plaster of mix :</td>
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<td>13.16.1</td>
<td>1:3 (1 cement : 3 fine sand)</td>
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<td>220.64</td>
<td>938</td>
<td>206960.32</td>
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<td>2</td>
<td>13.44</td>
<td>Finishing walls with water proofing cement paint of required shade :</td>
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<td></td>
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<tr>
<td>13.44.1</td>
<td>New work (Two or more coats applied @ 3.84 kg/10 sqm)</td>
<td>9/23</td>
<td></td>
<td>94.76</td>
<td>2016</td>
<td>191036.16</td>
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<tr>
<td>3</td>
<td>13.45</td>
<td>Finishing walls with textured exterior paint of required shade :</td>
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</tr>
<tr>
<td>13.45.1</td>
<td>New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm</td>
<td>9/23</td>
<td></td>
<td>239.89</td>
<td>315</td>
<td>75565.35</td>
</tr>
<tr>
<td>6</td>
<td>13.61</td>
<td>Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :</td>
<td></td>
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<tr>
<td>13.61.1</td>
<td>Two or more coats on new work</td>
<td>9/23</td>
<td></td>
<td>121.87</td>
<td>1773.36</td>
<td>216119.38</td>
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<tr>
<td>7</td>
<td>13.8</td>
<td>Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.</td>
<td>sqm</td>
<td>146.85</td>
<td>3525</td>
<td>517646.25</td>
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<td><strong>TOTAL SUB HEAD - 12 =</strong></td>
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<td><strong>2215406.21</strong></td>
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Civil _ 9/23
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<tr>
<td></td>
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<td>ROADWORK</td>
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<td>1</td>
<td>16.1</td>
<td>Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.</td>
<td>sqm</td>
<td>133.15</td>
<td>1775</td>
<td>236341.25</td>
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<tr>
<td></td>
<td>16.3</td>
<td>90 mm to 45 mm size stone aggregate</td>
<td>cum</td>
<td>2146.52</td>
<td>223.32</td>
<td>479360.85</td>
</tr>
<tr>
<td></td>
<td>a) 16.3.1</td>
<td>90 mm to 45 mm size stone aggregate</td>
<td>cum</td>
<td>2208.35</td>
<td>293.79</td>
<td>648791.15</td>
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<tr>
<td></td>
<td>b) 16.3.2</td>
<td>63 mm to 45 mm size stone aggregate</td>
<td>cum</td>
<td>2552.25</td>
<td>75.80</td>
<td>193460.55</td>
</tr>
<tr>
<td></td>
<td>c) 16.3.6</td>
<td>Stone screening 13.2 mm nominal size (Type A)</td>
<td>cum</td>
<td>1058.72</td>
<td>43.70</td>
<td>46266.06</td>
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<td>d) 16.3.10</td>
<td>Moorum</td>
<td>cum</td>
<td>696.23</td>
<td>692</td>
<td>481791.16</td>
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<tr>
<td>2</td>
<td>16.4</td>
<td>Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.</td>
<td>cum</td>
<td>696.23</td>
<td>692</td>
<td>481791.16</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PREMIX CARPET</td>
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<tr>
<td>3</td>
<td>16.3</td>
<td>Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications:</td>
<td>sqm</td>
<td>88.04</td>
<td>1775</td>
<td>156271</td>
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<tr>
<td></td>
<td>16.30.1</td>
<td>On W.B.M. @ 0.75 Kg / sqm</td>
<td></td>
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<tr>
<td>4</td>
<td>16.33</td>
<td>2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately).</td>
<td>sqm</td>
<td>346.60</td>
<td>1775</td>
<td>615215.00</td>
</tr>
<tr>
<td></td>
<td>16.33.1</td>
<td>With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt</td>
<td>sqm</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Sl. No.</td>
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<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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<td>--------------</td>
</tr>
<tr>
<td>5</td>
<td>16.41</td>
<td>SEAL COAT Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG - 10 and blinding surface with 0.90 cum of stone aggregate of 6.7 mm size (Passing 11.2 mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface, including rolling and finishing with power road roller all complete.</td>
<td>sqm</td>
<td>164.37</td>
<td>1775</td>
<td>29176.75</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note: Seal coat items to be operated only with the prior approval of Chief Engineer concerned.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>16.63</td>
<td>Providing, laying and making kerb channel 30 cm wide and 50 mm thick with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.</td>
<td>sqm</td>
<td>580.18</td>
<td>90</td>
<td>52216.20</td>
</tr>
<tr>
<td>7</td>
<td>16.68</td>
<td>Providing and laying 60mm thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design &amp; shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.</td>
<td>sqm</td>
<td>986.40</td>
<td>135</td>
<td>133164.00</td>
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**TOTAL SUB HEAD - 13 =** 3334633.97

**SUB HEAD - 14** FENCING

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<th>Quantity</th>
<th>Amount (Rs.)</th>
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<tbody>
<tr>
<td>1</td>
<td>16.18</td>
<td>Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.</td>
<td>metre</td>
<td>21.10</td>
<td>1925</td>
<td>40617.50</td>
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<tr>
<td></td>
<td></td>
<td>With G.I. barbed wire</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>16.18.1</td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1029</td>
<td></td>
<td>Galvanised steel barbed wire</td>
<td>quintal</td>
<td>8517.60</td>
<td>1.79</td>
<td>15246.50</td>
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<tr>
<td>2</td>
<td>16.16</td>
<td>Supplying and fixing turn buckles and straining bolts for barbed wire fencing.</td>
<td>each set</td>
<td>254.46</td>
<td>192.5</td>
<td>48983.55</td>
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Civil _ 11/23
<table>
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<tr>
<td>3</td>
<td>16.19</td>
<td>Supplying at site Angle iron post &amp; strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.</td>
<td>Kg</td>
<td>116.13</td>
<td>285</td>
<td>33097.05</td>
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<tr>
<td></td>
<td></td>
<td>RANDOM RUBBLE MASONRY</td>
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<tr>
<td>4</td>
<td>7.1</td>
<td>Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with : Cement mortar 1:6 (1 cement : 6 coarse sand).</td>
<td>cum</td>
<td>6417.85</td>
<td>155</td>
<td>994766.75</td>
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<td>TOTAL SUB HEAD - 14 =</td>
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<td>1132711.35</td>
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<td>SUB HEAD - 15</td>
<td>RETAINING WALL</td>
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<td></td>
</tr>
<tr>
<td>1</td>
<td>2.6</td>
<td>Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil</td>
<td>cum</td>
<td>254.87</td>
<td>15.8</td>
<td>4026.95</td>
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<tr>
<td>2</td>
<td>4.1</td>
<td>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)</td>
<td>cum</td>
<td>7045.28</td>
<td>2.16</td>
<td>15217.80</td>
</tr>
<tr>
<td>3</td>
<td>5.9</td>
<td>Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete</td>
<td>sqm</td>
<td>321.79</td>
<td>7.85</td>
<td>2526.05</td>
</tr>
<tr>
<td>4</td>
<td>5.9.2</td>
<td>Walls (any thickness) including attached pilasters, buttresses, plinth and string courses etc.</td>
<td>sqm</td>
<td>590.99</td>
<td>34.84</td>
<td>20590.09</td>
</tr>
<tr>
<td>5</td>
<td>5.1</td>
<td>Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>10205.07</td>
<td>12.13</td>
<td>123787.50</td>
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<tr>
<td>6</td>
<td>5.2</td>
<td>Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>11587.70</td>
<td>6.1</td>
<td>70684.97</td>
</tr>
<tr>
<td>7</td>
<td>5.22</td>
<td>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. Thermo-Mechanically Treated bars</td>
<td>Kg</td>
<td>111.55</td>
<td>2135</td>
<td>238159.25</td>
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<td>TOTAL SUB HEAD - 15=</td>
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<td>474992.61</td>
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<tr>
<td>1</td>
<td>22.2</td>
<td>Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge: Using rough Kota stone</td>
<td>sqm</td>
<td>2036.44</td>
<td>65.85</td>
<td>134099.574</td>
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<td>2</td>
<td>22.3</td>
<td>Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) 2nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).</td>
<td>sqm</td>
<td>856.51</td>
<td>175.05</td>
<td>149932.08</td>
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**TOTAL SUB HEAD - 16=**                                                                                                                                   |      |            |           | 284031.65   |
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<tbody>
<tr>
<td></td>
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<td>Providing and fixing false ceiling with 12 mm thick plain/ semi perforated or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087, finished with a coat of aluminium primer on both sides &amp; edges, including two coats of synthetic enamel paint of approved quality on exposed face, fixed to a grid made out of anodised aluminium (with 15 micron anodic coating) Tsections 35 x15x1.5 mm size main runners, cross runners 23.5x19x1.5 mm fixed to main runners placed 600 mm centre to centre both ways so as to form a grid of 600 mm square. The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia M.S rod fixed to roof slab by means of ceiling cleats and dash fastener. The suspenders shall be placed 600 x 1200 mm centre to centre including fixing to the frame with C.P brass screws and applying a priming coat of zinc chromate yellow primer (aluminium frame work shall be paid separately). Location: Admin Block, Barracks and SO’s Block.</td>
<td>sqm</td>
<td>1064.95</td>
<td>550.0</td>
<td>585722.50</td>
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**SUB HEAD - 18 M. S. POSTS**

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<tbody>
<tr>
<td>1</td>
<td>M.S. pipe 150 mm dia casing pipe (from roof overhang till plinth)</td>
<td>metre</td>
<td>1736.28</td>
<td>150</td>
<td>260442.00</td>
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<tr>
<td>2</td>
<td>Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work. 150 mm diameter pipes</td>
<td>metre</td>
<td>94.35</td>
<td>150</td>
<td>14152.50</td>
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<td><strong>TOTAL SUB HEAD - 18</strong></td>
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<td></td>
<td><strong>274594.50</strong></td>
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</tr>
<tr>
<td>B</td>
<td>MISCELLANEOUS WORKS</td>
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<tr>
<td>SUB HEAD 1</td>
<td>RO SYSTEM</td>
<td>Supply, installation &amp; commissioning of Water treatment plant 200 LPH capacity comprising of RO treatment, Iron removal filter, Anti scalant dosing, &amp; PH correction system with following specifications complete in all respect: Permeate Flow 200 LPH Feed Flow 100 LPH Feed Pressure (Max) 14 kg/cm² Motor Rating 1.0 HP No. of Membrane 1 No Type of Membrane TFC Size of Membrane 4.0&quot; DMF Inlet Pressure Max 3.0 Kg/cm² No. of Pr. Tubes 1 No Cartridge Filter, Size 10&quot; Recovery 20-25%</td>
<td>Each</td>
<td>334320.00</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
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<tr>
<td>TOTAL SUB HEAD 1=</td>
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<td></td>
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<tr>
<td>SUB HEAD 2</td>
<td>SOLAR BACKUP SYSTEM</td>
<td>Providing and installation Solar energy system of 5 KV capacity comprising of solar panel, 6 nos, tubular batteries (150 AH) complete in all respect with required panel, converter with etc as as per design, drawings and specifications</td>
<td>Each</td>
<td>1010014.00</td>
<td>1</td>
</tr>
<tr>
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<td></td>
<td></td>
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<td>TOTAL SUB HEAD 2=</td>
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<tr>
<td>SUB HEAD 3</td>
<td>MOVABLE FIXTURES</td>
<td>Supplying single bed of size with steel 6'-6&quot; x 3' size with steel frame and 12mm thick ply top complete as per approved design</td>
<td>Each</td>
<td>2650.00</td>
<td>42.00</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supplying steel almirah size 1980x910x480 mm size with 4 shelesmade up to 20 gauge shutter with lock complete in all respects as per approved design</td>
<td>Each</td>
<td>8800.00</td>
<td>18.00</td>
<td>158400.00</td>
<td></td>
</tr>
<tr>
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<tr>
<td>SUB HEAD 4</td>
<td>RAIN WATER STORAGE TANK</td>
<td>Polyethylene water storage tank with cover and suitable locking arrangement per</td>
<td>Litre</td>
<td>5.30</td>
<td>60000</td>
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<td>1</td>
<td>1649</td>
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</tr>
<tr>
<td>TOTAL SUB HEAD 4=</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUB HEAD 5</td>
<td>HORTICULTURE WORK</td>
<td>Supplying and stacking of good earth at site including royalty and carriage upto 1 km (earth measured in stacks will be reduced by 20 % for payment):</td>
<td>cum</td>
<td>340.00</td>
<td>15</td>
</tr>
<tr>
<td>1</td>
<td>NS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
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<tr>
<td>--------</td>
<td>-------------------</td>
<td>---------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>2</td>
<td>NS</td>
<td>Supplying and stacking at site dump manure from Badli or other approved source, including carriage upto 1 km (manure measured in stacks will be reduced by 8% for payment): Screened through sieve of I.S. designation 16 mm</td>
<td>cum</td>
<td>280.00</td>
<td>13.5</td>
</tr>
<tr>
<td>3</td>
<td>NS</td>
<td>Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation:</td>
<td>100 sqm</td>
<td>360.00</td>
<td>5.4</td>
</tr>
<tr>
<td>4</td>
<td>NS</td>
<td>Fine dressing the ground:</td>
<td></td>
<td>270.00</td>
<td>5.4</td>
</tr>
<tr>
<td>5</td>
<td>NS</td>
<td>Spreading of sludge, dump manure or/and good earth in required thickness (Cost of sludge, dump manure or/and good earth to be paid separately):</td>
<td>cum</td>
<td>40.00</td>
<td>13.75</td>
</tr>
<tr>
<td>6</td>
<td>NS</td>
<td>Mixing earth and sludge or manure in proportion specified or directed:</td>
<td>cum</td>
<td>26.00</td>
<td>13.45</td>
</tr>
<tr>
<td>7</td>
<td>NS</td>
<td>Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately): In rows 7.5 cm apart in either direction</td>
<td>100 sqm</td>
<td>980.00</td>
<td>5.4</td>
</tr>
<tr>
<td>8</td>
<td>NS</td>
<td>Uprooting rank vegetation and weeds by digging the area to a depth of 60 cm removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts:</td>
<td>100 sqm</td>
<td>4460.00</td>
<td>5.4</td>
</tr>
<tr>
<td>9</td>
<td>NS</td>
<td>Preparation of beds for hedging and shrubbery by excavation 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacke volume of earth after reduction by 20%: one part of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including staking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50 m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately):</td>
<td>cum</td>
<td>165.00</td>
<td>13.5</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
</tr>
<tr>
<td>--------</td>
<td>-------------------</td>
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</tr>
<tr>
<td>10</td>
<td>NS</td>
<td>Providing and fixing M.S.flat iron tree guard 60 cm dia and 2m height above ground level formed of 4 nos. 25 x 6 mm and 8 nos. 25 x 3 mm vertical M.S.flat iron rivetted to 3 nos. 25 x 6 mm M.S. flat iron rings in two halves, bolted together with 8 mm dia. and 30 mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects:</td>
<td>Each</td>
<td>4500.00</td>
<td>16</td>
</tr>
<tr>
<td>11</td>
<td>NS</td>
<td>Supplying and planting the following as per drawing:- Anthurium araceae Anthurium navasii Rosa Oxalis triangularis Ravenia spectabilis Tabernaemontana Anthocephalus Chinensis Bauhinia Blackeana Delonix Regia Michelia Champaca Acalypha Wilkesiana 'Dwarf' Codiaeum Variegatum Pleioblastus variegatus Plumeria alba Hamelia Patens Ixora Chenensis 'Nana Pink' Pleomele Reflexa 'Variegata' Lagerstroemia indica dwarf Duranta goldiana Ficus benjamina Ficus panda Mimusops elengi Vinca Rosea Wadelia Trilobata</td>
<td>Each</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL SUB HEAD 5a</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SUB HEAD 6</td>
<td>BORING &amp; TUBEWELL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>NS</td>
<td>Transportation of drilling RIGS and other equipment, tools/trackles etc to work site.</td>
<td>Lot</td>
<td>80000</td>
<td>1</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
</tr>
<tr>
<td>--------</td>
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<td>-----------</td>
</tr>
<tr>
<td>2</td>
<td>NS</td>
<td>Boring by het or Dheki for lowering of UPVC of 150 mm dia, including cutting the pipe.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td></td>
<td>From G. L. to 30.5 m Depth (for all kind of soil)</td>
<td>Job</td>
<td>54900</td>
<td>2</td>
</tr>
<tr>
<td>b)</td>
<td></td>
<td>From 30.5 m to 61m Depth (for all kind of soil)</td>
<td>Job</td>
<td>56425</td>
<td>2</td>
</tr>
<tr>
<td>c)</td>
<td></td>
<td>From 61 m to 91.5 m Depth (all kind of soil)</td>
<td>Job</td>
<td>56425</td>
<td>2</td>
</tr>
<tr>
<td>d)</td>
<td></td>
<td>From 91.5 m to 122 m Depth (all kind of soil)</td>
<td>Job</td>
<td>56425</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>NS</td>
<td>Providing &amp; lowering of UPVC pipe of 150 mm dia, rating of 8 Kg/ sqcm as per the spec.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td></td>
<td>From G. L. to 30.5 m Depth (for all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
</tr>
<tr>
<td>b)</td>
<td></td>
<td>From 30.5 m to 61m Depth (for all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
</tr>
<tr>
<td>c)</td>
<td></td>
<td>From 61m to 91.5m Depth (for all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
</tr>
<tr>
<td>d)</td>
<td></td>
<td>From 91.5 m to 122 m Depth (all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
</tr>
<tr>
<td>4</td>
<td>NS</td>
<td>Providing &amp; lowering of pea gravel of size 3mm to 8mm dia, free from dirt, rust and other.</td>
<td>cum</td>
<td>7425</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>NS</td>
<td>Development of the tube well by compressed air plant.</td>
<td>Lot</td>
<td>75000</td>
<td>2</td>
</tr>
<tr>
<td>6</td>
<td>NS</td>
<td>Supply and erection of submersible pump of HP rating capacity for lifting of water from well.</td>
<td>Lot</td>
<td>75000</td>
<td>2</td>
</tr>
<tr>
<td>a)</td>
<td></td>
<td>Providing and fixing of Electrical control panel for 10hp pumps with starter complete in all respects</td>
<td>Lot</td>
<td>35000</td>
<td>2</td>
</tr>
<tr>
<td>b)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>NS</td>
<td>Providing and laying of electrical control and power cable from panel to pump.</td>
<td>Mtr</td>
<td>275</td>
<td>360</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL SUB HEAD 6</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUB HEAD 7  WATER PUMPING WORKS**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Providing and fixing horizontal single/multistage centrifugal pumping set with CI body, bronze impeller, stainless steel shaft and induction motor mounted on common base frame, vibration pads accessories complete as per specifications.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td></td>
<td>Water Lift Pump To Over Head Tank</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Type of pump-Horizontal (End Suction)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Capacity - 200 LPM</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Head - 30 M</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>H. P - To suit</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Motor RPM - 2900</td>
<td>Set</td>
<td>70000</td>
<td>2</td>
<td>140000.00</td>
</tr>
<tr>
<td>2</td>
<td>Providing and fixing cast iron dual plate type non-return valve</td>
<td>Each</td>
<td>8800</td>
<td>2</td>
<td>17600.00</td>
</tr>
<tr>
<td>a)</td>
<td>50 NB</td>
<td>Each</td>
<td>8800</td>
<td>2</td>
<td>17600.00</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
</tr>
<tr>
<td>--------</td>
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</tr>
<tr>
<td>3</td>
<td></td>
<td>Providing and fixing cast steel/Bronge/Gum Metal Ball valve as per IS, Tested as per (PN: 1.6) rating, including nuts, bolts, Minimum 1.5 mm thick CAF gasket sheets, complete in all respects.</td>
<td>Each</td>
<td>8250</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>50 NB</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Providing and fixing standard dial type pressure gauge dia 100 mm with screwed inlet with isolation cock suitable for liquid gauge to show pressure upto:</td>
<td>Each</td>
<td>10450</td>
<td>3</td>
</tr>
<tr>
<td>a)</td>
<td>(0-5) KG/Sq.cm</td>
<td></td>
<td></td>
<td>2000</td>
<td>3</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Providing and fixing GI pipes to IS:1239/3589 heavy class including all fitting like anchor fastners, couplings, bends, elbows, tee, flanges etc. Welding/threaded joint as required painting with one coat of red oxide primer and two or more coats of synthetic enamel paint.</td>
<td>Mtr</td>
<td>1300</td>
<td>10</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Providing and fixing dust and vermin proof cubical type motor control centre for the pumps mentioned in item NO.1. It is fabricated from 2mm thick CRCA sheet with stove enamelled finish and comprising of:</td>
<td>Mtr</td>
<td>1300</td>
<td>10</td>
</tr>
<tr>
<td>a)</td>
<td>One incoming main MCCB if suitable rating.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>One fully taped aluminium bus-bar of suitable capacity in separate bus-bar chamber.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>c)</td>
<td>One MCCB/MPCB of suitable capacity and rating for each pumps (mentioned in Item No.1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>d)</td>
<td>One No. fully automatic star-delta/DOL starter with push buttons and on/off indicating lights for each pumps (mentioned in Item no.1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>e)</td>
<td>One rotary type auto/manual off selector switch for each pumps alongwith duty selector switch between working &amp; stand by.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>f)</td>
<td>One 144x144mm panel type voltimeter of suitable range with rotary selector switch reading voltage between phases.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>g)</td>
<td>One 144x144mm panel type ampere meter of suitable range with rotary selector switch for reading amperes between phases for each pump.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
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<td>-----------</td>
</tr>
<tr>
<td>h)</td>
<td></td>
<td>Provision of providing water level controller/ indicator interlocking for automatic</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>operation alongwith Relay/ Modulas required for items described in item No.2 of the</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>schedule of Quantities is to be taken care of in the control panel.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i)</td>
<td></td>
<td>Appropriate etched plastic plate for each starter/switch.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>j)</td>
<td></td>
<td>Single phasing preventors one for each 3-phase motor.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>k)</td>
<td></td>
<td>Colour coded internal wiring from incoming main to bus-bar switch, geat, starters,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>meters indicating lamps complete in all respect.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>NOTE:</td>
<td>Each</td>
<td>187500</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The rating off all switchgear must be HP of all pumps quoted</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and 20% space for spare to be kept in the panel.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Providing and fixing M.S. flanged connection Bronze Y type strainers with nuts,</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>bolts, CAF gasket 2mm thick complete in all respects.</td>
<td>Each</td>
<td>187500</td>
<td>2</td>
</tr>
<tr>
<td>a)</td>
<td>65 NB</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Mild steel (rubber lined) or FRP constructed pressure vessel (as per IS:2825) dual</td>
<td>Each</td>
<td>240000</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>media filter complete in all respects, ready for opreation of capacityy 9 Cu.M</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>per hour complete with dished ends, supporting legs and facing pad for pipe</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>connection complete.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Mild steel (rubber lined) or FRP constructed pressure vessel (as per IS:2825) iron</td>
<td>Each</td>
<td>355000</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>removal filter having MgSO4 media filled complete in all respects, ready for</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>opreation of capacityy 9 Cu.M per hour complete with dished ends, supporting legs</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>and facing pa</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Medium pressure spring actuator type chemical dosing pump with FRP body and internal</td>
<td>Each</td>
<td>55000</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>parts, dispensing valves, four valves, relief valves, mounting plate, chemical</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>tank of 250 Litre capacity complete.</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>TOTAL SUB HEAD 7 =</td>
<td></td>
<td></td>
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**SUB HEAD 8**  **ENTRY GATE & SIGN BOARDS**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Earth work in excavation over areas (exceeding 30 cm in depth, 1.5 m in width as</td>
<td>cum</td>
<td>301.93</td>
<td>17.523</td>
<td>5290.71939</td>
</tr>
<tr>
<td></td>
<td>well as to 10 sq.m on plan) including disposal of excavated earth lead upto 50m and</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>lift upto 1.5 m, disposed earth to be levelled and neatly dressed: All kind of soil.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2.6.1</td>
<td></td>
<td></td>
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Civil _ 20/23
<table>
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<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4.1.8</td>
<td>Providing and laying in position machine mixed plain cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level 1:4:8 (1 cement : 4 course sand : 8 graded stone aggregate 40mm nominal size)</td>
<td>cum</td>
<td>10947.64</td>
<td>1.17</td>
<td>12808.74</td>
</tr>
<tr>
<td>3</td>
<td>5.1.2</td>
<td>Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>15522.38</td>
<td>4.55</td>
<td>70626.83</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Centering and shuttering including leveling, strutting and proping and removal of form for concrete work at all levels for:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>5.9.1</td>
<td>foundations, bases of columns, plinth beams, columns below plinth level etc</td>
<td>sqm</td>
<td>508.48</td>
<td>11.7</td>
<td>5949.22</td>
</tr>
<tr>
<td>b)</td>
<td>5.9.6</td>
<td>Columns, Pillars, Piers, Abutments</td>
<td>sqm</td>
<td>1058.18</td>
<td>17.5</td>
<td>18518.15</td>
</tr>
<tr>
<td>5</td>
<td>5.2.2</td>
<td>Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses plinth and string courses fillets, columns, pillars, piers, abutments, posts and struts etc. upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement: 1:1.5:3 (1 cement: 1.5 Coarse Sand: 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>17475</td>
<td>2.6</td>
<td>45435.00</td>
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<tr>
<td>6</td>
<td>5.22.6</td>
<td>Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete.</td>
<td>Kg</td>
<td>137.33</td>
<td>407</td>
<td>55893.31</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>15 mm cement plaster on the rough side of single or half brick wall of mix:</td>
<td>sqm</td>
<td>328.44</td>
<td>17.5</td>
<td>5747.70</td>
</tr>
<tr>
<td>8</td>
<td>10.25.2/1</td>
<td>Steel work welded in built up section /framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladders, railings, brackets, gates &amp; similar works</td>
<td>Kg</td>
<td>196.51</td>
<td>363.8</td>
<td>71490.34</td>
</tr>
<tr>
<td>9</td>
<td>13.44.1</td>
<td>Finishing walls with waterproofing cement paint 'Snowcemplus' of M/s Snow-cem india ltd. Or equivalent of required shade</td>
<td>sqm</td>
<td>136.95</td>
<td>54.4</td>
<td>7450.08</td>
</tr>
<tr>
<td>10</td>
<td>13.61.1</td>
<td>Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade</td>
<td>sqm</td>
<td>164.06</td>
<td>2.9</td>
<td>475.77</td>
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<td>Sl. No.</td>
<td>Reference DSR 2016</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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<tr>
<td>--------</td>
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<td>--------------</td>
</tr>
<tr>
<td>11</td>
<td>16.59</td>
<td>Manufacturing supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type-IV of ASTM-D 4956-01 in blue and silver white or othe colour combination including subject matter, using 3M or equivalent reflective sheet, message (bi-lingual), symbols and borders etc. as per IRC: 67-2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D 4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos M.S angles of size 35x35x5 mm to a vertical post made up to M.S Tee Section ISMT 50X50X6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angle flats, providing &amp; fixing M.S. message plate of required size steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand &amp; manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in white and black colours). Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge. Mandatory/ Regulatory sign boards of 900mm dia -metre with part as length of 3750 mm.</td>
<td>sqm</td>
<td>13954.86</td>
<td>4.25</td>
<td>59308.16</td>
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<tr>
<td>16.59.1</td>
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<td></td>
<td></td>
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<td>TOTAL SUB HEAD 8=</td>
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<td>358994.01</td>
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<tr>
<td>SUB HEAD 9</td>
<td>FIRE FIGHTING WORK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Providing and fixing portable fire extinguisher water type (gas cartridge) with cylinder fully charged of 9 litres capacity complete with standard discharged valve with tybe CI bracket for wall mounting etc. conforming to IS:940.</td>
<td>No.</td>
<td>3750</td>
<td>9</td>
<td>33750.00</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Providing and fixing portable fire extinguisher, dry power type (gas cartridge) with cylinder initially fully charfed with dry powder (ABC type) of 5 kg. Complete with standard discharge valve with tube, CI bracket for wall mounting etc. conforming to IS:13849</td>
<td>No.</td>
<td>4000</td>
<td>9</td>
<td>36000.00</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
</tr>
<tr>
<td>--------</td>
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</tr>
<tr>
<td>3</td>
<td></td>
<td>Providing and fixing portable fire extinguisher, carbon dioxide type with cylinder initially fully charged with co2 gas of 4.5 kg. Capacity complete with discharge valve, discharge tube, horn, Cl bracket for wall mounting etc. conforming to IS:2878.</td>
<td>No.</td>
<td>9500</td>
<td>9</td>
<td>85500.00</td>
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<tr>
<td>4</td>
<td></td>
<td>Providing and fixing portable fire extinguisher mechanical foam type with cylinder initially fully charged with foam compound of 9 litres capacity, complete with standard discharge valve with tube Cl bracket for wall mounting etc, conforming to IS:10204</td>
<td>No.</td>
<td>3500</td>
<td>9</td>
<td>31500.00</td>
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</table>

**TOTAL SUB HEAD 9** = 186750.00

**SUB HEAD 10** MOSQUITO MESH

| 1      |                    | Supplying and fixing of Mosquito Mesh on doors and windows with 50x25 mm. wooden frame, made of local wood, applied with primer and paint one coat each complete with hardwares | sqm  | 3500       | 215      | 752500.00    |

**TOTAL SUB HEAD 10** = 752500.00

**TOTAL OF SUB-HEADS 1 TO 10** = 6195054.46
<table>
<thead>
<tr>
<th>SL. NO.</th>
<th>DSR 2014</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>RATE (Rs.)</th>
<th>QTY</th>
<th>AMOUNT (Rs.)</th>
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<tr>
<td><strong>SUB HEAD 1</strong></td>
<td></td>
<td><strong>SANITARY FIXTURE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>17.1</td>
<td>Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.1.1</td>
<td></td>
<td>White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests</td>
<td>Each</td>
<td>5557.41</td>
<td>2</td>
<td>11114.82</td>
</tr>
<tr>
<td>2</td>
<td>17.3</td>
<td>Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern &amp; C.P. flush bend with fittings &amp; C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>17.3.1</td>
<td></td>
<td>W.C. pan with ISI marked white solid plastic seat and lid</td>
<td>Each</td>
<td>7837.17</td>
<td>13</td>
<td>101883.21</td>
</tr>
<tr>
<td>3</td>
<td>17.7</td>
<td>Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.7.3</td>
<td></td>
<td>White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps</td>
<td>Each</td>
<td>3485.50</td>
<td>17</td>
<td>59253.50</td>
</tr>
<tr>
<td>4</td>
<td>17.23</td>
<td>Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.</td>
<td>Each</td>
<td>1459.62</td>
<td>4</td>
<td>5838.48</td>
</tr>
<tr>
<td>5</td>
<td>17.10</td>
<td>Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>17.10.2</td>
<td></td>
<td>Kitchen sink without drain board</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.10.2.1</td>
<td></td>
<td>610x510 mm bowl depth 200 mm</td>
<td>Each</td>
<td>7114.57</td>
<td>2</td>
<td>14229.14</td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td>6</td>
<td>18.52</td>
<td>Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore</td>
<td>Each</td>
<td>1015.15</td>
<td>81</td>
<td>82227.15</td>
</tr>
<tr>
<td>7</td>
<td>17.28</td>
<td>Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete. 17.28.1</td>
<td>15 mm nominal bore Each</td>
<td>121.95</td>
<td>66</td>
<td>8048.70</td>
</tr>
<tr>
<td></td>
<td>17.28.2</td>
<td>Flexible pipe 17.28.2.1</td>
<td>32 mm dia Each</td>
<td>125.72</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td>17.28.2.2</td>
<td>40 mm dia Each</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>17.34</td>
<td>Providing and fixing toilet paper holder : 17.34.1</td>
<td>C.P. brass Each</td>
<td>681.24</td>
<td>13</td>
<td>8856.12</td>
</tr>
<tr>
<td>9</td>
<td>18.56</td>
<td>Providing and fixing PTMT pillar cock of approved quality and colour. 15 mm nominal bore, 107 mm long, weighing not less than 110 gms Each</td>
<td>374.61</td>
<td>19</td>
<td>7117.59</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>17.71</td>
<td>Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms. Each</td>
<td>374.86</td>
<td>19</td>
<td>7122.34</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>17.72</td>
<td>Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms. Each</td>
<td>575.90</td>
<td>21</td>
<td>7515.90</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>17.82</td>
<td>Provisioning and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : a) 17.82.2</td>
<td>Rectangular shape 453x357 mm Each</td>
<td>1192.30</td>
<td>3</td>
<td>3576.90</td>
</tr>
<tr>
<td></td>
<td>17.82.4</td>
<td>Rectangular shape 1500x450 mm Each</td>
<td>2182.55</td>
<td>12</td>
<td>26190.60</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>17.6</td>
<td>Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors : 17.6.1</td>
<td>100 mm inlet and 100 mm outlet Each</td>
<td>1609.42</td>
<td>31</td>
<td>49892.02</td>
</tr>
<tr>
<td>14</td>
<td>18.58</td>
<td>Providing and fixing PTMT grating of approved quality and colour. 125 mm nominal dia with 25 mm waste hole Each</td>
<td>93.94</td>
<td>31</td>
<td>2912.14</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>WC connector Each</td>
<td>79.95</td>
<td>17</td>
<td>1500.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
16 | 17.7 | Providing and fixing PTMT Bottle Trap for Wash basin and sink. Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms | Each | 810.65 | 17 | 13781.05 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>b)</td>
<td>17.70.2</td>
<td>Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms</td>
<td>Each</td>
<td>848.73</td>
<td>2</td>
</tr>
<tr>
<td>17</td>
<td>17.28</td>
<td>Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>17.28.1.1</td>
<td>32 mm dia (for basin waste)</td>
<td>Each</td>
<td>125.72</td>
<td>17</td>
</tr>
<tr>
<td>b)</td>
<td>17.28.1.2</td>
<td>40 mm dia (for sink waste)</td>
<td>Each</td>
<td>135.30</td>
<td>2</td>
</tr>
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</table>

**TOTAL SUB-HEAD 1 =** 415164.96

**SUB HEAD 2**  
**SOIL WASTES & RAIN WATER**

1. **SCI Soil waste pipe**
   Providing and fixing soil, waste and vent pipes:
   - **17.35.1** 100 mm dia
   - **17.35.1.1** Sand cast iron S&S pipe as per IS: 1729
     metre | 1407.04 | 76 | 106935.04 |

2. **GI waste pipe**
   - **32 mm dia** metre | 294.84 | 27 | 7960.68 |
   - **40 mm dia** metre | 360.36 | 9 | 3243.24 |
   - **50 mm dia** metre | 450.45 | 3 | 1351.35 |

3. Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.
   - a) 0.80 mm thick with zinc coating not less than 275 gm/m² metre | 875.67 | 405 | 354646.35 |

**TOTAL SUB-HEAD 2 =** 474136.66
<table>
<thead>
<tr>
<th>SUB HEAD 3</th>
<th>WATER SUPPLY GI MEDIUM GRADE PIPE</th>
<th>metre</th>
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<tbody>
<tr>
<td>1</td>
<td>COLD WATER SUPPLY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) 15 mm dia</td>
<td></td>
<td>352.33</td>
<td>36</td>
</tr>
<tr>
<td>b) 20 mm dia</td>
<td></td>
<td>408.35</td>
<td>54</td>
</tr>
<tr>
<td>c) 25 mm dia</td>
<td></td>
<td>498.20</td>
<td>27</td>
</tr>
<tr>
<td>d) 32 mm dia</td>
<td></td>
<td>562.16</td>
<td>11</td>
</tr>
<tr>
<td>e) 40 mm dia</td>
<td></td>
<td>697.21</td>
<td>9</td>
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<tr>
<td>f) 50 mm dia</td>
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<td>863.55</td>
<td>5</td>
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<td>2</td>
<td>HOT WATER SUPPLY</td>
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<td></td>
</tr>
<tr>
<td>a) 15 mm dia</td>
<td></td>
<td>352.33</td>
<td>27</td>
</tr>
<tr>
<td>3</td>
<td>Full way Brass ball valve</td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) 1927 Brass full way valve with C.I. wheel (screwed end) 25 mm dia</td>
<td>Each</td>
<td>573.3</td>
<td>11</td>
</tr>
<tr>
<td>b) 1928 Brass full way valve with C.I. wheel (screwed end) 32 mm dia</td>
<td>Each</td>
<td>671.58</td>
<td>1</td>
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<tr>
<td>c) 1929 Brass full way valve with C.I. wheel (screwed end) 40 mm dia</td>
<td>Each</td>
<td>786.24</td>
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<tr>
<td>TOTAL SUB-HEAD 3</td>
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<td>82239.61</td>
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<tr>
<td>SUB HEAD 4</td>
<td>EXTERNAL SEWERAGE AND DRAINAGE</td>
<td></td>
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</tr>
<tr>
<td>1</td>
<td>NP 2 RCC pipe</td>
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<td></td>
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<tr>
<td>a) 150 mm dia</td>
<td>RM</td>
<td>570.52</td>
<td>265</td>
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<tr>
<td>c) 250 mm dia</td>
<td>RM</td>
<td>767.57</td>
<td>85</td>
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<td>TOTAL SUB HEAD 4</td>
<td>=</td>
<td>216431.25</td>
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<tr>
<td>SUB HEAD 5</td>
<td>CIVIL WORK RELATED TO PLUMBING WORKS</td>
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<tr>
<td>SUB HEAD 5</td>
<td>EXTERNAL DRAINAGE</td>
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<tr>
<td>1</td>
<td>19.7.1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19.7.1.2</td>
<td>Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 sand) R.C.C.top slab with 1:2:4 mix (1 cement :2 sand :4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement :4 sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement:2 sand:4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design inside size 90x80 cm and 45 mm deep including C.I cover with frame (light duty) 45x6x10 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg); With Sewer bricks conforming to IS:4885</td>
<td>Nos.</td>
<td>14236.27</td>
</tr>
<tr>
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</tr>
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<td>2</td>
<td>19.7.3.2</td>
<td>Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 sand) R.C.C. top slab with 1:2:4 mix (1 cement :2 sand :4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement :4 sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement:2 sand:4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 120x90 cm and 90 cm deep including C.I cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg)</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>With Sewer bricks conforming to IS:4885</td>
<td>Each 38182.19</td>
</tr>
<tr>
<td>3</td>
<td>19.32.1</td>
<td>Making soak pit 2.5 m diameter 3.0 Metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W.drain pipe 100 mm diameter, 1.8 m long complete as per standard design: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5</td>
<td>Nos. 29990.96</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL SUB HEAD 5 = 1136823.66</td>
<td></td>
</tr>
<tr>
<td>SUB HEAD 6</td>
<td>UNDERGROUND WATER TANK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2.6.1</td>
<td>Earth work in excavation over areas (exceeding 30cm in depth, 1.5m in width as well.)</td>
<td>cum 301.39</td>
</tr>
<tr>
<td>2</td>
<td>4.1.8</td>
<td>Providing and laying in position machine mixed plain cement concrete of specified. 1:4:8 (1 cement :4 sand :8 graded stone aggregate 40 mm nominal size).</td>
<td>cum 10947.64</td>
</tr>
<tr>
<td>3</td>
<td>5.9.3</td>
<td>Centering and shuttering including leveling, struting and propping and removal from.</td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>5.9.1</td>
<td>Foundations, bases of columns, plinth beams, columns below plinth level etc.</td>
<td>sqm 508.48</td>
</tr>
<tr>
<td>b)</td>
<td>5.9.2</td>
<td>Walls (any thickness), including attached pilasters, buttresses plinth and string courses fillets, columns, pillars, piers, abutments, posts and struts etc.</td>
<td>sqm 825.26</td>
</tr>
<tr>
<td>c)</td>
<td>5.9.3</td>
<td>Suspended floors, roofs, landings, balconies and access platforms.</td>
<td>sqm 900.79</td>
</tr>
<tr>
<td>4</td>
<td>5.1.2</td>
<td>Providing and laying in position specific grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement-All work upto plinth level 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)</td>
<td>cum 15522.38</td>
</tr>
<tr>
<td></td>
<td>Sub-Head</td>
<td>Description</td>
<td>Unit</td>
</tr>
<tr>
<td>---</td>
<td>----------</td>
<td>------------------------------------------------------------------------------</td>
<td>------</td>
</tr>
<tr>
<td>5</td>
<td>5.2.2</td>
<td>Reinforced Cement concrete work in walls (any thickness) including attached, pilasters, buttresses plinth &amp; string courses</td>
<td>cum</td>
</tr>
<tr>
<td>6</td>
<td>5.22A.6</td>
<td>Reinforcement for RCC work including straightening, cutting, bending, placing.</td>
<td>Kg</td>
</tr>
<tr>
<td>7</td>
<td>22.1.1</td>
<td>Providing and laying integral cement based treatment for water proofing on horizontal. 1) Ist layer of 22mm to 25mm thick approved and specified rough stone slab over a 25mm. II) 2nd layer of 25mm thick cement mortar 1:3 (1 cement :3 coarse sand) mixed with water.</td>
<td>sqm</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL SUB HEAD 6 =</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUB HEAD 7</td>
<td>STORM WATER DRAIN</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Constructing brick masonry open surface drain with bricks of class designation 7.5 in cement mortar 1:4 (1 cement :4 fine sand) including earth excavation, 10 cm thick bed concrete</td>
<td>RM</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL SUB HEAD 7 =</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL OF SUB HEADS 1 TO 7 =</strong></td>
<td></td>
</tr>
</tbody>
</table>
### D - ELECTRICAL WORK:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTERNAL ELECTRICAL WORKS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUB-HEAD 1</strong></td>
<td><strong>INTERNAL WIRING</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Note:</strong></td>
<td>Rates of only ISI marked M.S. conduit, FRLS PVC insulated copper conductor single core cables, moulded plate type switches in passivated box and FR PVC insulated earth wire have been taken in the following items unless otherwise specified and as per specification.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Wiring for Light point / Fan point / Exhaust Fan point / Call Bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) 1.3</td>
<td>a) Group - C</td>
<td>Point</td>
<td>1642.91</td>
<td>205</td>
<td>336796.55</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Wiring for circuit / submain wiring along with earth wire with the following size FRLS PVC insulated copper conductor, single core cable in surface / recessed steel conduit as required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) 1.7.2</td>
<td>a) 2x2.5 Sq.mm. + 1x2.5 Sq.mm. earth wire</td>
<td>Rm</td>
<td>327.60</td>
<td>525</td>
<td>171990.00</td>
<td></td>
</tr>
<tr>
<td>b) 1.7.3</td>
<td>b) 2x4 Sq.mm. + 1x4 Sq.mm. earth wire</td>
<td>Rm</td>
<td>378.38</td>
<td>424</td>
<td>160433.12</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>1.5</td>
<td>Wiring for light / power (For 20 A Industrial Socket) plug point with 2 x 4 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit along with 1 No. 4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required</td>
<td>Metre</td>
<td>381.65</td>
<td>60</td>
<td>22899.00</td>
</tr>
<tr>
<td>4</td>
<td>1.31</td>
<td>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings.)</td>
<td>Each</td>
<td>496.31</td>
<td>65</td>
<td>32260.15</td>
</tr>
<tr>
<td>5</td>
<td>1.32</td>
<td>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15/16 &amp; 5/6 amps modular socket outlet and 15/16 amps modular switch, connection, painting etc. as required.</td>
<td>Each</td>
<td>647.01</td>
<td>18</td>
<td>11646.18</td>
</tr>
<tr>
<td>---</td>
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<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>6</td>
<td>2.18</td>
<td>Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps &quot;C&quot; curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.</td>
<td>Each</td>
<td>1562.65</td>
<td>3</td>
<td>4687.95</td>
</tr>
</tbody>
</table>

**TOTAL SUBHEAD 1:**

740712.95

**SUB-HEAD 2**

**ERECTION OF FAN & LIGHT FIXTURES**

| 1 | 1.25 | Supplying and fixing of step type electronic fan regulator on existing modular plate switch box including connection but excluding modular plate etc. as required. | Each | 465.19 | 38 | 17677.22 |

**TOTAL SUBHEAD 2 =**

17677.22

**SUB-HEAD 3**

**SUPPLY AND INSTALLATION OF FANS & LIGHT FIXTURES**

<table>
<thead>
<tr>
<th>1</th>
<th>Light/fan fixtures :-</th>
<th>Supply and installation of following type fluorescent/CFL fixtures shall be complete with Electronic Ballast, PF improvement capacitor, Control gear box. Bipin Rotor type lamp holder, starter, starter base, all pre wired upto the terminal block. All fixtures shall be supplied with lamps.</th>
<th>Each</th>
<th>4179.60</th>
<th>41</th>
<th>171363.60</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>1.42 + Philips price list</td>
<td>2x36W Indoor decorative luminaire suitable for surface as well as recessed mounting. Make PHILLIPS TCS306 2xTL-D36W EBE or Equivalent</td>
<td>Each</td>
<td>4179.60</td>
<td>41</td>
<td>171363.60</td>
</tr>
<tr>
<td>b)</td>
<td>1.42 + Philips price list</td>
<td>2 x 36 W industrial type fluorescent fixture make PHILLIPS -TKC-203/236 HF or equivalent</td>
<td>Each</td>
<td>3519.60</td>
<td>29</td>
<td>102068.40</td>
</tr>
<tr>
<td>c)</td>
<td>1.42 + Philips price list</td>
<td>1 x 36 W industrial type fluorescent fixture make PHILLIPS CAT-TKC-203/136 HF</td>
<td>Each</td>
<td>2979.60</td>
<td>7</td>
<td>20857.20</td>
</tr>
<tr>
<td>d)</td>
<td>1.35 + Philips price list</td>
<td>1x18w Surface mounted downlight luminaire . Make Philips FCS100 1xPL-C/2P18W I 240V or Equivalent</td>
<td>Each</td>
<td>1502.40</td>
<td>32</td>
<td>48076.80</td>
</tr>
<tr>
<td>e)</td>
<td>1.35 + Philips price list</td>
<td>2x18W Recessed downlighter with patterned specular reflector Make Philips FBS095 2xPL-C18W HF or Equivalent</td>
<td>Each</td>
<td>2006.40</td>
<td>12</td>
<td>24076.80</td>
</tr>
<tr>
<td>f)</td>
<td>1.35 + Philips price list</td>
<td>1 x 13 W CFL bulk head fixture make Decon-09 SZ</td>
<td>Each</td>
<td>2311.20</td>
<td>13</td>
<td>30045.60</td>
</tr>
<tr>
<td>Sub-Head</td>
<td>Item Description</td>
<td>Unit</td>
<td>Quantity</td>
<td>Rate</td>
<td>Amount</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>------------------</td>
<td>------</td>
<td>----------</td>
<td>------</td>
<td>--------</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Ceiling fans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Supplying and fixing of 1200 mm sweep ceiling fan with 300/600/900 mm standard down rod and electrical connection as required etc.</td>
<td>Each</td>
<td>2750.00</td>
<td>38</td>
<td>104500.00</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Exhaust fans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Supply and installation of heavy duty type exhaust fans of following size sweep with gravity louvers shutters including all accessories/installation materials required make, Crompton./ USHA/HAVELLS</td>
<td>Each</td>
<td>3042.33</td>
<td>13</td>
<td>39550.29</td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>230 mm sweep 900 rpm</td>
<td>Each</td>
<td>4563.78</td>
<td>4</td>
<td>18255.12</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL SUBHEAD 3 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>625993.81</td>
</tr>
<tr>
<td>SUB-HEAD 4</td>
<td>EARTHING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Earthing with G.I. Earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal or coke and salt complete as required.</td>
<td>Set</td>
<td>7354.62</td>
<td>15</td>
<td>110319.30</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Supplying and laying 50 mm X 6 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/terminating with G.I. nut, bolt, g, washer etc. as required. (Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt &amp; spring washer spaced at 50mm)</td>
<td>Metre</td>
<td>296.40</td>
<td>435</td>
<td>128934.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTAL SUBHEAD 4 =</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>239253.30</td>
</tr>
<tr>
<td>SUB-HEAD 5</td>
<td>TELEPHONE</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Providing, fixing, connecting and testing of solderless telephone Tag Block, with powder coated box (Krone make ) of required size box with hinged lockable cover and clamps for dressing of wires etc as required.</td>
<td>Nos.</td>
<td>2159.53</td>
<td>1</td>
<td>2159.53</td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Market rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>b)</td>
<td>Market rate</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Supplying, drawing, of 0.5sqmm (2 pair) FR PVC insulated copper conductor, unarmoured telephone cable in existing surface/ recessed steel /PVC conduit as required</td>
<td>Metre</td>
<td>29.48</td>
<td>300</td>
<td>8844.00</td>
<td></td>
</tr>
</tbody>
</table>
Providing, fixing, connecting, testing and commissioning of zinc passivated box with moulded plate in recess or on surface moulded type with following including all necessary materials etc. as required.

<table>
<thead>
<tr>
<th>3</th>
<th>Providing, fixing, connecting, testing and commissioning of zinc passivated box with moulded plate in recess or on surface moulded type with following including all necessary materials etc. as required.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Market rate</td>
</tr>
<tr>
<td>b)</td>
<td>Market rate</td>
</tr>
</tbody>
</table>

Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.

<table>
<thead>
<tr>
<th>4</th>
<th>Supplying and fixing of following sizes of steel conduit along with accessories in surface/recess including painting in case of surface conduit, or cutting the wall and making good the same in case of recessed conduit as required.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>Market rate</td>
</tr>
<tr>
<td>b)</td>
<td>Market rate</td>
</tr>
</tbody>
</table>

| 5 | TOTAL SUBHEAD 5 = | 83373.33 |
## SUB-HEAD 6

### DISTRIBUTION BOARD

<table>
<thead>
<tr>
<th></th>
<th>Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>2.4.4 4way (4+12) Double door</td>
</tr>
<tr>
<td>b)</td>
<td>2.4.6 8way (4+24) Double door</td>
</tr>
<tr>
<td>2</td>
<td>Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)</td>
</tr>
<tr>
<td>a)</td>
<td>2.3.5 (2+4)way / 6way Double door</td>
</tr>
<tr>
<td>b)</td>
<td>2.3.7 (2+8) way/ 10 way Double door</td>
</tr>
<tr>
<td>3</td>
<td>Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, &quot;C&quot; curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.</td>
</tr>
<tr>
<td>a)</td>
<td>2.10.02 Single pole</td>
</tr>
<tr>
<td>4</td>
<td>Supplying and fixing of following rating ,four pole (three phase and neutral 415 Volt - residual current ciecuit breaker (RCCB) having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.</td>
</tr>
<tr>
<td>a)</td>
<td>2.15.02 40amps</td>
</tr>
<tr>
<td>b)</td>
<td>2.15.03 63amps</td>
</tr>
<tr>
<td>5</td>
<td>Supplying and fixing of following rating ,double pole (single phase and neutral 240 Volt - residual current ciecuit breaker ( RCCB ) having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections ,testing and commissioning etc. as required.</td>
</tr>
<tr>
<td>a)</td>
<td>2.14.1 25amps</td>
</tr>
<tr>
<td>SUB-HEAD 7</td>
<td>DESCRIPTION</td>
</tr>
<tr>
<td>-----------</td>
<td>--------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm, long GI tube, having single prong at top, with 85 mm dia 6 mm thick GI base plat including holes etc. complete as required.</td>
</tr>
<tr>
<td>2</td>
<td>Providing and fixing GI tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)</td>
</tr>
<tr>
<td>3</td>
<td>Providing and fixing GI tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor as required (for vertical run)</td>
</tr>
<tr>
<td>4</td>
<td>Providing and fixing testing joint, made of 20 mm x 3 mm thick GI strip, 125 mm long with 4 Nos. brass bolts, nuts check nuts and spring washers etc. complete as required.</td>
</tr>
<tr>
<td>5</td>
<td>Providing and laying GI tape, 32 mm x 6 mm thick from earth electrode directly in ground as required.</td>
</tr>
<tr>
<td>6</td>
<td>Earthing with G.I. Earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal or coke and salt complete as required.</td>
</tr>
</tbody>
</table>

**TOTAL SUBHEAD 7 =** 246209.10
<table>
<thead>
<tr>
<th>SUB-HEAD 8</th>
<th>EXTERNAL ELECTRICAL WORK</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 1          | Market rate  
Supply, fabrication and installation of 4 m. long (finished vertical height) M.S. lighting post by NB 80 mm. medium class M.S. pipe as per IS 1239 including single arm bracket (0.5 mtr./0.6 mtr.) suitable for 1x10 WLED lighting fixture of Philips make, model BRP020 1x10LED or equivalent with base plate of suitable size along with bolt, nut, post cap, etc. and the material shall be coated with red oxide and outdoor type painting. | Each | 7200.00 | 48  | 345600.00 |
| 2          | Market rate  
Supply, installation and connection with single core 2.5 sq.mm. copper wire of lighting fixture of Philips make, model BRP020 1x10W LED1x10W LED or equivalent. | Each | 6600.00 | 48  | 316800.00 |
| 3          | Market rate  
Supplying and fixing of Weather proof box made of hot moulded SMC sheet of SYNTEx or equivalent make of size 333mmX233mmX120mm complete with 4 Nos ofC CONNECTOR of 63 A, 2 nos. cable gland, 2 nos. cables and also connection of the street light one 6A SP MCB complete in all respects. | Set  | 1555.85 | 48  | 74680.80  |
| 4          | 5.7  
Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/termination with GI thimble etc. as required. | Metre  | 44.23  | 500 | 22115.00 |
| 5          | 11.6.1  
Supplying and embedding 32mm dia. dia G.I. pipe (medium class) in pole collar/ foundation (during casting) for cable entry including bending the pipe to the required shape complete as required. | Set | 466.83  | 60  | 28009.80 |
| 6          | 14.13  
Providing and laying 150mm dia. G.I pipe (medium class) 750mm bellow the ground wih GI fittings including trenching (750mm deep) for road crossing | Metre  | 2479.93 | 55  | 136396.15 |
| 7          | Market rate  
Supplying of following sizes of PVC insulated PVC sheathed aluminium -XLPE conductor armoured underground cable 1.1 KV grade etc. as required. |  |  |  |
| a)         | Market rate  
2X6 sq.mm  | Metre  | 144.00  | 345 | 49680.00 |
| b)         | Market rate  
4X10 sq.mm | Metre  | 240.00  | 260 | 62400.00 |
| c)         | Market rate  
4X16 sq.mm | Metre  | 272.40  | 815 | 222006.00 |
| d)         | Market rate  
3.5X25 sq.mm | Metre  | 297.60  | 905 | 269328.00 |
| e)         | Market rate  
3.5X150 sq.mm | Metre  | 810.00  | 210 | 170100.00 |
<table>
<thead>
<tr>
<th>8</th>
<th>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a)</td>
<td>7.1.1</td>
</tr>
<tr>
<td>b)</td>
<td>7.1.3</td>
</tr>
<tr>
<td>9</td>
<td>Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.</td>
</tr>
<tr>
<td>a)</td>
<td>7.2.1</td>
</tr>
<tr>
<td>b)</td>
<td>7.2.3</td>
</tr>
<tr>
<td>10</td>
<td>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required</td>
</tr>
<tr>
<td>a)</td>
<td>7.5.1</td>
</tr>
<tr>
<td>b)</td>
<td>7.5.4</td>
</tr>
<tr>
<td>11</td>
<td>Cable End termination</td>
</tr>
<tr>
<td>Supplying and making indoor end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required</td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>9.1.1</td>
</tr>
<tr>
<td>b)</td>
<td>9.1.32</td>
</tr>
<tr>
<td>c)</td>
<td>9.1.33</td>
</tr>
<tr>
<td>d)</td>
<td>9.1.20</td>
</tr>
<tr>
<td>d)</td>
<td>9.1.26</td>
</tr>
<tr>
<td></td>
<td>Out door Pillar Box</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Market rate</td>
<td>Design, Supply, installation, testing, commissioning of 3 phase, 415 V, 50 Hz, 200 A Aluminium busbar, floor mounted free standing Feeder pillar box with 3.5 mm thick sheet steel enclosure with canopy and louvres and hinged type double door with locking arrangement, suitable for outdoor installation. It should be supplied with all accessories, base plates, cable glands, cable fixing arrangements. The height of pillar box shall be restricted to 1.5 meter. The pillar box shall have 1 no.FP 125 A MCCB as incomer and 8 nos. FP 63 A MCB as outgoings. The job shall include all civil works, and earthing. The lighting circuits shall be controlled through timer - contactor circuit for programmable dawn to dusk switching ON and OFF setting provision and bypass arrangement for manual operation. Surge supressor shall be included.</td>
</tr>
<tr>
<td></td>
<td>MAIN PANEL</td>
</tr>
<tr>
<td>Market rate</td>
<td>Design, Manufacture, Supply, Installation, Testing, commissioning of 320A, 415 V, 50 Hz, 50KA for 1 sec. switch board with TPN Aluminium busbar, suitable for top/bottom cable or following feeder combination complete with CT, metering and protection as per tender specification. The MCCBs shall be rated at 415 V, 50 Hz, 50 KA for 1 sec and as follows.</td>
</tr>
<tr>
<td></td>
<td>Incomer 4P MCCB -160 A - 1 no.</td>
</tr>
<tr>
<td></td>
<td>Outgoing 4P MCCB -125 A - 1 nos.</td>
</tr>
<tr>
<td></td>
<td>Outgoing 4P MCCB -63 A -4nos.</td>
</tr>
<tr>
<td></td>
<td>Outgoing 4P MCCB -63 A -4nos.</td>
</tr>
<tr>
<td></td>
<td>Outgoing DP MCCB -40 A -2nos.</td>
</tr>
<tr>
<td></td>
<td>Spare 4P MCCB - 125 A - 1 no.</td>
</tr>
<tr>
<td></td>
<td>Spare 4P MCCB - 63 A - 2 no.</td>
</tr>
<tr>
<td></td>
<td>Spare DP MCCB - 40 A - 1 no.</td>
</tr>
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</table>

Nos. 174000 1 174000.00
Nos. 324000 1 324000.00
<table>
<thead>
<tr>
<th></th>
<th><strong>Change over switch</strong></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Market rate</td>
<td>Supply, installation, testing and commissioning of 125A, 415V FP Off load Changeover Switch in sheet steel enclosure of makes HPL / Havells / Standard.</td>
<td>Set</td>
</tr>
<tr>
<td>14</td>
<td><strong>DG set</strong></td>
<td>Market rate</td>
<td>Supply, Transportation, erection and commissioning including earthing etc. as required (Excluding Foundation) of 3 Phase, 415, 50Hz, air cooled multi cylinder diesel generator set with alternator of 40KVA out put</td>
</tr>
</tbody>
</table>

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL SUBHEAD 8 =</strong></td>
<td>3662671.57</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL OF SUB HEADS 1 TO 8 =</strong></td>
<td>5690156.31</td>
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</table>
## A. CIVIL WORKS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>SUB HEADS</th>
<th>BOQ AMOUNT (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EARTH WORK</td>
<td>3221023.26</td>
</tr>
<tr>
<td>2</td>
<td>PLAIN CEMENT CONCRETE WORK</td>
<td>14272972.13</td>
</tr>
<tr>
<td>3</td>
<td>REINFORCED CEMENT CONCRETE WORK</td>
<td>4083800.263</td>
</tr>
<tr>
<td>4</td>
<td>FORM WORK</td>
<td>1113139.15</td>
</tr>
<tr>
<td>5</td>
<td>STEEL REINFORCEMENT</td>
<td>6511396.60</td>
</tr>
<tr>
<td>6</td>
<td>BRICK WORK</td>
<td>5422045.20</td>
</tr>
<tr>
<td>7</td>
<td>MARBLE/ GRANITE WORK</td>
<td>158118.29</td>
</tr>
<tr>
<td>8</td>
<td>WOOD AND PVC WORK</td>
<td>771342.50</td>
</tr>
<tr>
<td>9</td>
<td>STRUCTURAL STEEL WORK</td>
<td>859719.22</td>
</tr>
<tr>
<td>10</td>
<td>FLOORING</td>
<td>2335039.52</td>
</tr>
<tr>
<td>11</td>
<td>ROOFING</td>
<td>2236505.06</td>
</tr>
<tr>
<td>12</td>
<td>FINISHING</td>
<td>2215406.21</td>
</tr>
<tr>
<td>13</td>
<td>ROADWORK</td>
<td>3062013.35</td>
</tr>
<tr>
<td>14</td>
<td>FENCING</td>
<td>1050131.01</td>
</tr>
<tr>
<td>15</td>
<td>RETAINING WALL</td>
<td>479918.29</td>
</tr>
<tr>
<td>16</td>
<td>WATERPROOFING</td>
<td>284031.65</td>
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<tr>
<td>17</td>
<td>FALSE CEILING</td>
<td>585722.50</td>
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<tr>
<td>18</td>
<td>M. S. POSTS</td>
<td>274594.50</td>
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<td></td>
<td><strong>TOTAL=</strong></td>
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## B. MISCELLANEOUS WORKS

<table>
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<th>SUB HEADS</th>
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<tbody>
<tr>
<td>1</td>
<td>RO SYSTEM</td>
<td>334320.00</td>
</tr>
<tr>
<td>2</td>
<td>SOLAR BACKUP SYSTEM</td>
<td>1010014.00</td>
</tr>
<tr>
<td>3</td>
<td>MOVABLE FIXTURES</td>
<td>269700.00</td>
</tr>
<tr>
<td>4</td>
<td>RAIN WATER STORAGE TANK</td>
<td>318000.00</td>
</tr>
<tr>
<td>5</td>
<td>HORTICULTURE WORK</td>
<td>141785.20</td>
</tr>
<tr>
<td>6</td>
<td>BORING &amp; TUBEWELL</td>
<td>1674175</td>
</tr>
<tr>
<td>7</td>
<td>WATER PUMPING WORKS</td>
<td>1148816.25</td>
</tr>
<tr>
<td>8</td>
<td>ENTRY GATE &amp; SIGN BOARDS</td>
<td>358994.01</td>
</tr>
<tr>
<td>9</td>
<td>FIRE FIGHTING WORK</td>
<td>186750</td>
</tr>
<tr>
<td>10</td>
<td>MOSQUITO MESH</td>
<td>752500</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL=</strong></td>
<td><strong>6195054.46</strong></td>
</tr>
</tbody>
</table>

## C. PLUMBING WORKS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>SUB HEADS</th>
<th>BOQ AMOUNT (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>SANITARY FIXTURE</td>
<td>415416.40</td>
</tr>
<tr>
<td>2</td>
<td>SOIL WASTE &amp; RAIN WATER</td>
<td>474136.66</td>
</tr>
<tr>
<td>3</td>
<td>WATER SUPPLY GI MEDIUM GRADE PIPE</td>
<td>82239.61</td>
</tr>
<tr>
<td>4</td>
<td>EXTERNAL SEWERAGE AND DRAINAGE</td>
<td>200197.75</td>
</tr>
<tr>
<td>5</td>
<td>EXTERNAL DRAINAGE</td>
<td>1136823.66</td>
</tr>
<tr>
<td>6</td>
<td>UNDER GROUND WATER TANK</td>
<td>720924.06</td>
</tr>
<tr>
<td>7</td>
<td>STORM WATER DRAIN</td>
<td>649980.45</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL=</strong></td>
<td><strong>3679718.59</strong></td>
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D. **ELECTRICAL WORKS**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>SUB HEADS</th>
<th>BOQ AMOUNT (₹)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>INTERNAL ELECTRICAL WORKS</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>INTERNAL WIRING</td>
<td>740712.95</td>
</tr>
<tr>
<td>2</td>
<td>ERECTION OF FAN &amp; LIGHT FIXTURES</td>
<td>17677.22</td>
</tr>
<tr>
<td>3</td>
<td>SUPPLY AND INSTALLATION OF FANS &amp; LIGHT FIXTURES</td>
<td>625993.81</td>
</tr>
<tr>
<td>4</td>
<td>EARTHING</td>
<td>239253.30</td>
</tr>
<tr>
<td>5</td>
<td>TELEPHONE</td>
<td>83373.33</td>
</tr>
<tr>
<td>6</td>
<td>DISTRIBUTION BOARD</td>
<td>74265.03</td>
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<tr>
<td>7</td>
<td>LIGHTNING PROTECTION</td>
<td>246209.10</td>
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<tr>
<td></td>
<td><strong>EXTERNAL ELECTRICAL WORKS</strong></td>
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<tr>
<td>8</td>
<td>EXTERNAL ELECTRICAL WORK</td>
<td>3681079.57</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL</strong></td>
<td>5708564.31</td>
</tr>
</tbody>
</table>

**GRAND TOTAL OF A+B+C+D (₹)** = 63659939.05
## CONSTRUCTION OF PLATOON LEVEL B.O.P. AT NEW AMCHURIMUKH, MIZORAM

### BILL OF QUANTITIES

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A- CIVIL WORK</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SUB HEAD - 1</strong> EARTH WORK</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2.1</td>
<td>Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including disposal of excavated earth upto 50 m and lift upto 1.5 m, disposed soil to be levelled and neatly dressed</td>
<td>100 sqm</td>
<td>8262.32</td>
<td>37.00</td>
<td>305705.84</td>
</tr>
<tr>
<td></td>
<td>2.1.1</td>
<td>All kinds of soil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>2.6</td>
<td>Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed.</td>
<td>cum</td>
<td>254.87</td>
<td>1250.00</td>
<td>318587.50</td>
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<tr>
<td></td>
<td>2.6.1</td>
<td>All kinds of soil</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>2.8</td>
<td>Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.</td>
<td>cum</td>
<td>257.99</td>
<td>4800.00</td>
<td>1238352.00</td>
</tr>
<tr>
<td></td>
<td>2.8.1</td>
<td>All kinds of soil</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>2.25</td>
<td>Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.</td>
<td>cum</td>
<td>184.11</td>
<td>1100.00</td>
<td>202521.00</td>
</tr>
<tr>
<td>5</td>
<td>2.26</td>
<td>Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.</td>
<td>cum</td>
<td>75.76</td>
<td>3265.00</td>
<td>247356.40</td>
</tr>
<tr>
<td>6</td>
<td>2.27</td>
<td>Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.</td>
<td>cum</td>
<td>1490.99</td>
<td>325.00</td>
<td>484571.75</td>
</tr>
<tr>
<td>7</td>
<td>2.31</td>
<td>Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.</td>
<td>100 sqm</td>
<td>1051.62</td>
<td>56.00</td>
<td>58890.72</td>
</tr>
<tr>
<td>8</td>
<td>2.34</td>
<td>Supplying chemical emulsion in sealed containers including delivery as specified.</td>
<td>litre</td>
<td>304.59</td>
<td>1150</td>
<td>350278.50</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
</tr>
<tr>
<td>---------</td>
<td>-------------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>--------</td>
<td>------------</td>
<td>-----------</td>
<td>--------------</td>
</tr>
<tr>
<td>9</td>
<td>2.35</td>
<td>Diluting and injecting chemical emulsion for POSTCONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion): 2.35.1 Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall &amp; rodding etc. complete: 2.35.1.1 With Chlorpyriphos/ Lindane E.C. 20% with 1% concentration</td>
<td>metre</td>
<td>25.23</td>
<td>585</td>
<td>14759.55</td>
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<tr>
<td></td>
<td></td>
<td><strong>TOTAL SUB HEAD - 1</strong></td>
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<td></td>
<td></td>
<td>3221023.26</td>
</tr>
<tr>
<td>SUB HEAD - 2</td>
<td></td>
<td><strong>PLAIN CEMENT CONCRETE WORK</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>4.1</td>
<td>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 4.1.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) 4.1.5 (a) 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) 4.1.8 (b) 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)</td>
<td>cum</td>
<td>8953.80</td>
<td>2.375</td>
<td>21265.28</td>
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<td></td>
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<td>2.375</td>
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<td>10254561.10</td>
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<td>2.35</td>
<td>4.6</td>
<td>47241.68</td>
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<td><strong>TOTAL SUB HEAD - 2</strong></td>
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<td></td>
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<td>14272972.13</td>
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<tr>
<td>SUB HEAD - 3</td>
<td></td>
<td><strong>REINFORCED CEMENT CONCRETE WORK</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>5.1</td>
<td>Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level: 5.1.2 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum.</td>
<td>10205.07</td>
<td>235</td>
<td>2398191.45</td>
</tr>
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<td><strong>TOTAL SUB HEAD - 3</strong></td>
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<td>Sl. No.</td>
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<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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<td>---------</td>
<td>-------------------</td>
<td>----------------------</td>
<td>------</td>
<td>------------</td>
<td>----------</td>
<td>--------------</td>
</tr>
<tr>
<td>2</td>
<td>5.2</td>
<td>Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:</td>
<td>cum</td>
<td>11587.70</td>
<td>54.25</td>
<td>628632.725</td>
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<tr>
<td></td>
<td>5.2.2</td>
<td>1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>11102.69</td>
<td>95.2</td>
<td>1056976.088</td>
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<tr>
<td>3</td>
<td>5.3</td>
<td>Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to five floor level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).</td>
<td>cum</td>
<td>321.79</td>
<td>1160</td>
<td>373276.4</td>
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<tr>
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<td>Total sub-head 3 =</td>
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<td>4083800.263</td>
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<tr>
<td>1</td>
<td>5.9</td>
<td>Centering and shuttering including strutting, propping etc. and removal of form for:</td>
<td>sqm</td>
<td>321.79</td>
<td>1160</td>
<td>373276.4</td>
</tr>
<tr>
<td>2</td>
<td>5.9.1</td>
<td>Foundations, footings, bases of columns, etc. for mass concrete</td>
<td>sqm</td>
<td>590.99</td>
<td>31.5</td>
<td>18616.19</td>
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<tr>
<td></td>
<td>5.9.2</td>
<td>Walls (any thickness) including attached pilasters, butterresses, plinth and string courses etc.</td>
<td>sqm</td>
<td>657.90</td>
<td>27</td>
<td>17763.30</td>
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<tr>
<td>3</td>
<td>5.9.3</td>
<td>Shelves (Cast in situ)</td>
<td>sqm</td>
<td>544.06</td>
<td>296</td>
<td>161041.76</td>
</tr>
<tr>
<td>4</td>
<td>5.9.4</td>
<td>Columns, Pillars, Piers, Abutments, Posts and Struts</td>
<td>sqm</td>
<td>742.59</td>
<td>680</td>
<td>504961.20</td>
</tr>
<tr>
<td></td>
<td>5.9.5</td>
<td>Lintels, beams, plinth beams, girders, bressumers and cantilevers</td>
<td>sqm</td>
<td>648.07</td>
<td>34</td>
<td>22034.38</td>
</tr>
<tr>
<td>5</td>
<td>5.9.6</td>
<td>Columns, Pillars, Piers, Abutments, Posts and Struts</td>
<td>sqm</td>
<td>742.59</td>
<td>680</td>
<td>504961.20</td>
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<td></td>
<td>5.9.7</td>
<td>Stairs, (excluding landings) except spiral-staircases</td>
<td>sqm</td>
<td>544.06</td>
<td>296</td>
<td>161041.76</td>
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<tr>
<td></td>
<td>5.9.15</td>
<td>Small lintels not exceeding 1.5 m clear span, moulding as in cornices, window sills, string courses, bands, copings, bed plates, anchor blocks and the like</td>
<td>sqm</td>
<td>321.79</td>
<td>48</td>
<td>15445.92</td>
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<td></td>
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<td>Total sub-head 4 =</td>
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<td></td>
<td></td>
<td>1113139.15</td>
</tr>
<tr>
<td>1</td>
<td>5.22</td>
<td>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level.</td>
<td>Kg</td>
<td>111.55</td>
<td>35595</td>
<td>3970622.25</td>
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<tr>
<td>2</td>
<td>5.22.6</td>
<td>Thermo-Mechanically Treated bars</td>
<td>Kg</td>
<td>111.55</td>
<td>22777</td>
<td>2540774.35</td>
</tr>
<tr>
<td></td>
<td>5.22A</td>
<td>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.</td>
<td>Kg</td>
<td>111.55</td>
<td>22777</td>
<td>2540774.35</td>
</tr>
<tr>
<td></td>
<td>5.22A.6</td>
<td>Thermo-Mechanically Treated bars</td>
<td>Kg</td>
<td>111.55</td>
<td>22777</td>
<td>2540774.35</td>
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<td></td>
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<td>Total sub-head 5 =</td>
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<td>6511396.60</td>
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<td>1</td>
<td>6.1</td>
<td>Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:</td>
<td>cum</td>
<td>13041.60</td>
<td>53.5</td>
<td>697725.60</td>
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<tr>
<td>2</td>
<td>6.4</td>
<td>Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in:</td>
<td>cum</td>
<td>13041.60</td>
<td>272</td>
<td>3547315.20</td>
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Civil_3/22
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<tr>
<td>3</td>
<td>6.13</td>
<td>Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.</td>
<td></td>
<td></td>
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<td>6.13.1</td>
<td>Cement mortar 1:3 (1 cement : 3 coarse sand)</td>
<td>sqm</td>
<td>1630.20</td>
<td>722</td>
<td>1177004.40</td>
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<td>TOTAL HEAD - 6 =</td>
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<td>5422045.20</td>
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**SUB HEAD - 7 MARBLE/GRANITE WORK**

<p>|   | 8.2               | Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. |
|---|-------------------|---------------------------------------------------------------------------------------------------------------|----------|------------|-----------|--------------|
| 1 | 8.2.2             | Granite of any colour and shade                                                                                     |          |            |           |              |
|   | 8.2.2.1           | Area of slab upto 0.50 sqm                                                                                       | sqm      | 6332.51    | 2.48      | 15704.62    |
|   | 8.2.2.2           | Area of slab over 0.50 sqm                                                                                       | sqm      | 6400.32    | 16.29     | 104261.21   |
| 2 | 8.10              | Providing and fixing stone slab with table rubbed, edges rounded and polished, of size 75x50 cm deep and 1.8 cm thick, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. Granite Stone of approved shade. |          |            |           |              |
|   | 87.10.2           |                                                                                                               | sqm      | 5345.61    | 1.58      | 8446.06     |
| 3 | 8.3               | Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge. Granite work                                                                 |          |            |           |              |
|   | 8.3.2             |                                                                                                               | metre    | 377.64     | 43.2      | 16314.05    |
| 4 | 8.4               | Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.                                                                 | metre    | 405.24     | 22.5      | 9117.90     |
| 5 | 8.5               | Extra for providing opening of required size &amp; shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/Granite/stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete. | metre    | 633.25     | 6.75      | 4274.44     |
|   |                   | TOTAL SUB HEAD - 7 =                                                                                           |          |            |           | 158118.29   |</p>
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<th>Quantity</th>
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<td></td>
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<td><strong>WOOD AND PVC WORK</strong></td>
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<td></td>
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<tr>
<td>1</td>
<td>9.1</td>
<td>Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia &amp; length (hold fast lugs or dash fastener shall be paid for separately).</td>
<td>cum</td>
<td>123764.99</td>
<td>1.66</td>
<td>205449.88</td>
</tr>
<tr>
<td>1</td>
<td>9.1.2</td>
<td>Sal wood</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td>9.21</td>
<td>Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters:</td>
<td>sqm</td>
<td>3127.84</td>
<td>90.72</td>
<td>283757.64</td>
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<tr>
<td>2</td>
<td>9.21.1</td>
<td>35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws</td>
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<td>3</td>
<td>9.23</td>
<td>Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).</td>
<td>sqm</td>
<td>599.26</td>
<td>15.98</td>
<td>9576.17</td>
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<tr>
<td>4</td>
<td>9.26</td>
<td>Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).</td>
<td>sqm</td>
<td>171.25</td>
<td>4.84</td>
<td>828.85</td>
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<td>5</td>
<td>9.48</td>
<td>Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete.</td>
<td>sqm</td>
<td>191.48</td>
<td>310</td>
<td>59358.80</td>
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<tr>
<td>5</td>
<td>9.48.2</td>
<td>Fixed to openings /wooden frames with rawl plugs screws etc.</td>
<td>Kg</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>9.117</td>
<td>Providing and fixing factory made uPVC door frame made of uPVC extruded sections having an overall dimension as below (tolerance ±1mm), with wall thickness 2.0 mm (± 0.2 mm), corners of the door frame to be jointed with galvanized brackets and stainless steel screws, joints mitred and Plastic welded. The hinge side vertical of the frames reinforced by galvanized M.S. tube of size 19 X 19 mm and 1mm (± 0.1 mm) wall thickness and 3 nos. stainless steel hinges fixed to the frame complete as per manufacturer’s specification and direction of Engineer-in-charge</td>
<td>metre</td>
<td>350.12</td>
<td>125.8</td>
<td>44045.10</td>
</tr>
<tr>
<td>6</td>
<td>9.117.1</td>
<td>Extruded section profile size 48x40 mm</td>
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<td>Quantity</td>
<td>Amount (Rs.)</td>
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<td>--------</td>
<td>------------</td>
<td>-----------</td>
<td>--------------</td>
</tr>
<tr>
<td>7</td>
<td>9.118</td>
<td>Providing and fixing to existing door frames. 24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of ‘H’ section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. ‘U’ cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having overall thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer’s specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).</td>
<td>sqm</td>
<td>4453.07</td>
<td>37.8</td>
<td>168326.05</td>
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<td>9.118.1</td>
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<td>TOTAL SUB HEAD - 8 =</td>
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<td><strong>SUB HEAD - 9</strong></td>
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<tr>
<td>1</td>
<td>10.2</td>
<td>Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Providing and fixing steel rafter of 65nb H@7.92 Kg/m, 65nb M@ 6.53 Kg/m, 40 nb M@4.43 Kg/m; steel purlin 40 dia nb M pipe; 6 mm. gusset plate, 12 mm. thk. plate,. 10 mm. thk. plate and ISMC 200 @22.10 Kg/m.</td>
<td>Kg</td>
<td>121.13</td>
<td>6750</td>
<td>817627.5</td>
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<tr>
<td>2</td>
<td>10.1</td>
<td>Fixing standard steel glazed doors, windows and ventilators in walls, including fixing of float glass panes with glazing clips and special metalsash putty of approved make, or metal beading with screws, (only steel windows, glass panes cut to size and glazing clips or metal beading with screws, shall be supplied by department free of cost.</td>
<td>Kg</td>
<td>59.62</td>
<td>706</td>
<td>42091.72</td>
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<td>10.10.1</td>
<td>Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)</td>
<td>Kg</td>
<td>59.62</td>
<td>706</td>
<td>42091.72</td>
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<td>TOTAL SUB HEAD - 9 =</td>
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Civil_ 6/22
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<td>SUB HEAD - 10</td>
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<td>FLOORING</td>
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<td>1</td>
<td>11.5</td>
<td>62 mm thick cement concrete flooring with concrete hardener topping, under layer 50 mm thick cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) and top layer 12mm thick cement hardener consisting of mix 1:2 (1 cement hardener mix : 2 graded stone aggregate, 6mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per manufacture’s specifications. This includes cost of cement slurry, but excluding the cost of nosing of steps etc. complete.</td>
<td>sqm</td>
<td>964.62</td>
<td>72</td>
<td>69452.64</td>
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<tr>
<td>2</td>
<td>11.6</td>
<td>Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1 cement : 3 coarse sand), finished with a floating coat of neat cement.</td>
<td>sqm</td>
<td>617.94</td>
<td>10.8</td>
<td>6673.75</td>
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<tr>
<td>3</td>
<td>11.26</td>
<td>Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) : 25 mm thick</td>
<td>sqm</td>
<td>1869.61</td>
<td>656.8</td>
<td>1227959.85</td>
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<tr>
<td>4</td>
<td>11.27</td>
<td>Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.</td>
<td>sqm</td>
<td>1951.27</td>
<td>69.8</td>
<td>136198.65</td>
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<tr>
<td>5</td>
<td>11.36</td>
<td>Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.</td>
<td>sqm</td>
<td>1370.43</td>
<td>382.5</td>
<td>524189.48</td>
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<td>6</td>
<td>11.39</td>
<td>Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete.</td>
<td>sqm</td>
<td>1556.18</td>
<td>107.6</td>
<td>167444.97</td>
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<tr>
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<tr>
<td>7</td>
<td>11.41</td>
<td>Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.</td>
<td>sqm</td>
<td>2302.95</td>
<td>88.2</td>
<td>203120.19</td>
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<tr>
<td>8</td>
<td>11.41.2</td>
<td>Size of Tile 600x600 mm</td>
<td>sqm</td>
<td>2302.95</td>
<td>88.2</td>
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**TOTAL SUB HEAD - 10 =**

2335039.52

**SUB HEAD - 11 ROOFING**

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<tr>
<td>1</td>
<td>12.21</td>
<td>Providing gola 75x75 mm in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 stone aggregate 10 mm and down gauge), including finishing with cement mortar 1:3 (1 cement : 3 fine sand) as per standard design : In 75x75 mm deep chase</td>
<td>metre</td>
<td>234.40</td>
<td>122.18</td>
<td>28638.99</td>
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<tr>
<td>2</td>
<td>Market Rate</td>
<td>Roofing- Multi-Seam Standing- Coated Galvalume:- Preparing shop drawings, Supply &amp; installation in position Multi-Seam standing seam lock roofing sheet having trapezoidal shape with min. 30 mm. deep crest and 200 mm. pitch distance with guard film. The sheet shall be fixed using self-drilling/ self-tapping screws of size (5.5x55 mm.) with EPDM seal, complete up to any pitch in horizontal / vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The sheet should be supplied in single length without end lap. The profile should be rolled formed from SMP Coating of 18-20 micron over primer coat of 5-7 micron on top and 6-8 micron of service coat in grey colour over primer on back, as per ASTM as 1397. Steel should have 550 mpa yield strength with AZ 150 (total on both side). Material will be supplied as per ASTM A-792. Thickness: 0.50 mm. (TCT)</td>
<td>sqm</td>
<td>1018.84</td>
<td>1221.8</td>
<td>1244818.71</td>
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<tr>
<td>3</td>
<td>Market Rate</td>
<td>Supply and fixing of flashings/ Ridges/ Gutter fabricated out of plain sheet with colour coated galvalume steel sheet in 0.50 mm. (TCT) thickness out of plain sheet using self drilling/ self tapping screws complete.</td>
<td>metre</td>
<td>1334.97</td>
<td>721.4</td>
<td>963047.36</td>
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**TOTAL SUB HEAD - 11 =**

2236505.06

**SUB HEAD - 12 FINISHING**

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<tr>
<td>1</td>
<td>13.1</td>
<td>12 mm cement plaster of mix :</td>
<td>sqm</td>
<td>244.80</td>
<td>1765</td>
<td>432072.00</td>
</tr>
<tr>
<td>13.1.2</td>
<td></td>
<td>1:6 (1 cement: 6 fine sand)</td>
<td>sqm</td>
<td>244.80</td>
<td>1765</td>
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<td>2</td>
<td>13.2</td>
<td>15 mm cement plaster on the rough side of single or half brick wall of mix :</td>
<td>sqm</td>
<td>283.05</td>
<td>2035</td>
<td>576006.75</td>
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<tr>
<td>13.2.2</td>
<td></td>
<td>1:6 (1 cement: 6 fine sand)</td>
<td>sqm</td>
<td>283.05</td>
<td>2035</td>
<td>576006.75</td>
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<tr>
<td>3</td>
<td>13.16</td>
<td>6 mm cement plaster of mix :</td>
<td>sqm</td>
<td>220.64</td>
<td>938</td>
<td>206960.32</td>
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<td>13.16.1</td>
<td></td>
<td>1:3 (1 cement : 3 fine sand)</td>
<td>sqm</td>
<td>220.64</td>
<td>938</td>
<td>206960.32</td>
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<tr>
<td>4</td>
<td>13.44</td>
<td>Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)</td>
<td>sqm</td>
<td>94.76</td>
<td>2016</td>
<td>191036.16</td>
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<tr>
<td>5</td>
<td>13.45</td>
<td>Finishing walls with textured exterior paint of required shade : New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm</td>
<td>sqm</td>
<td>239.89</td>
<td>315</td>
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<td>6</td>
<td>13.61</td>
<td>Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work</td>
<td>sqm</td>
<td>121.87</td>
<td>1773</td>
<td>216119.38</td>
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<td>7</td>
<td>13.8</td>
<td>Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.</td>
<td>sqm</td>
<td>146.85</td>
<td>3525</td>
<td>517646.25</td>
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<td><strong>ROADWORK</strong></td>
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<td>1</td>
<td>16.1</td>
<td>Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.</td>
<td>sqm</td>
<td>133.15</td>
<td>755</td>
<td>100528.25</td>
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<td>2</td>
<td>16.3</td>
<td>Supplying and stacking at site.</td>
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<td>a)</td>
<td>16.3.1</td>
<td>90 mm to 45 mm size stone aggregate</td>
<td>cum</td>
<td>2146.52</td>
<td>291.35</td>
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<td>b)</td>
<td>16.3.2</td>
<td>63 mm to 45 mm size stone aggregate</td>
<td>cum</td>
<td>2208.35</td>
<td>381.75</td>
<td>843037.61</td>
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<td>c)</td>
<td>16.3.6</td>
<td>Stone screening 13.2 mm nominal size (Type A)</td>
<td>cum</td>
<td>2552.25</td>
<td>98.80</td>
<td>252162.30</td>
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<td>d)</td>
<td>16.3.10</td>
<td>Moorum</td>
<td>cum</td>
<td>1058.72</td>
<td>56.30</td>
<td>59605.94</td>
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<td>3</td>
<td>16.4</td>
<td>Laying, spreading and compacting stone aggregate of specified sizes to WBM specifications in uniform thickness, hand picking, rolling with 3 wheeled road / vibratory roller 8-10 tonne capacity in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate, watering and compacting to the required density.</td>
<td>cum</td>
<td>696.23</td>
<td>410</td>
<td>285454.3</td>
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<td><strong>PREMIX CARPET</strong></td>
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<td>4</td>
<td>16.3</td>
<td>Providing and applying tack coat using hot straight run bitumen of grade VG - 10, including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications :</td>
<td>sqm</td>
<td>88.04</td>
<td>755</td>
<td>66470.2</td>
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<tr>
<td>5</td>
<td>16.33</td>
<td>2.5 cm premix carpet surfacing with 2.25 cum and 1.12 cum of stone chippings of 13.2 mm and 11.2 mm size respectively per 100 sqm and 52 kg and 56 kg of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne capacity etc. complete (tack coat to be paid for separately). With paving Asphalt grade VG - 10 heated and then mixed with solvent at the rate of 70 grams per kg of asphalt</td>
<td>sqm</td>
<td>346.60</td>
<td>755</td>
<td>261683.00</td>
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<td>6</td>
<td>16.41</td>
<td>Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade VG - 10 and blinding surface with 0.90 cum of stone aggregate of 6.7 mm size (Passing 11.2 mm sieve and retained on 2.36 mm sieve) per 100 sqm of road surface, including rolling and finishing with power road roller all complete. Note : Seal coat items to be operated only with the prior approval of Chief Engineer concerned.</td>
<td>sqm</td>
<td>164.37</td>
<td>755</td>
<td>124099.35</td>
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<tr>
<td>7</td>
<td>16.63</td>
<td>Providing, laying and making kerb channel 30 cm wide and 50 mm thick with cement concrete 1:3:6 (1 cement: 3 coarse sand:6 graded stone aggregate 20 mm nominal size) over 75mm bed of dry brick ballast 40 mm nominal size, well rammed and consolidated and grouted with fine sand, including finishing the top smooth etc. complete and as per direction of Engineer-in-charge.</td>
<td>sqm</td>
<td>580.18</td>
<td>110</td>
<td>63819.80</td>
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<tr>
<td>8</td>
<td>16.68</td>
<td>Providing and laying 60mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design &amp; shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with fine sand etc. all complete as per the direction of Engineer-in-charge.</td>
<td>sqm</td>
<td>986.40</td>
<td>385</td>
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**TOTAL SUB HEAD - 13 =**

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**TOTAL = 3062013.35**
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<td><strong>FENCING</strong></td>
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<td>1</td>
<td>16.18</td>
<td>Fencing with angle iron post placed at required distance embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post on one side only and provided with horizontal lines and two diagonals interwoven with horizontal wires, of barbed wire weighing 9.38 kg per 100 m (minimum), between the two posts fitted and fixed with G.I. staples, turn buckles etc. complete. (Cost of posts, struts, earth work and concrete work to be paid for separately). Payment to be made per metre cost of total length of barbed wire used.</td>
<td></td>
<td></td>
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<td>a)</td>
<td>16.18.1</td>
<td>With G.I. barbed wire</td>
<td>metre</td>
<td>21.10</td>
<td>1565</td>
<td>33021.50</td>
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<td>b)</td>
<td>1029</td>
<td>Galvanised steel barbed wire</td>
<td>quintal</td>
<td>8517.60</td>
<td>1.54</td>
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<td>2</td>
<td>16.16</td>
<td>Supplying and fixing turn buckles and straining bolts for barbed wire fencing.</td>
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<tr>
<td>3</td>
<td>16.19</td>
<td>Supplying at site Angle iron post &amp; strut of required size including bottom to be split and bent at right angle in opposite direction for 10 cm length and drilling holes upto 10 mm dia. etc. complete.</td>
<td>Kg</td>
<td>116.13</td>
<td>235</td>
<td>27290.55</td>
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<td></td>
<td></td>
<td><strong>RANDOM RUBBLE MASONRY</strong></td>
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<tr>
<td>4</td>
<td>7.1</td>
<td>Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with :</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7.1.1</td>
<td></td>
<td>Cement mortar 1:6 (1 cement : 6 coarse sand).</td>
<td>cum</td>
<td>6417.85</td>
<td>146</td>
<td>937006.10</td>
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<td><strong>RETAINT WALL</strong></td>
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<tr>
<td>1</td>
<td>2.6</td>
<td>Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed. All kinds of soil</td>
<td></td>
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<tr>
<td>2.6.1</td>
<td></td>
<td>cum</td>
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<td>254.87</td>
<td>16.1</td>
<td>4103.41</td>
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<td>4.1</td>
<td>Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)</td>
<td></td>
<td>7045.28</td>
<td>2.16</td>
<td>15217.80</td>
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<td>4.1.8</td>
<td></td>
<td>cum</td>
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<tr>
<td>3</td>
<td>5.9</td>
<td>Centering and shuttering including strutting, propping etc. and removal of form for : Foundations, footings, bases of columns, etc. for mass concrete</td>
<td>sqm</td>
<td>321.79</td>
<td>8.36</td>
<td>2690.16</td>
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<td>5.9.1</td>
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<tr>
<td>4</td>
<td>5.9.2</td>
<td>Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.</td>
<td>sqm</td>
<td>590.99</td>
<td>34.84</td>
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<tr>
<td>5</td>
<td>5.1</td>
<td>Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:</td>
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<td>5.1.2</td>
<td>1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>10205.07</td>
<td>12.13</td>
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<td>6</td>
<td>5.2</td>
<td>Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement:</td>
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<tr>
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<td>5.2.2</td>
<td>1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>11587.70</td>
<td>6.1</td>
<td>70684.97</td>
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<td>7</td>
<td>5.22</td>
<td>Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.</td>
<td>Kg</td>
<td>111.55</td>
<td>2177</td>
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<td>5.22.6</td>
<td>Thermo-Mechanically Treated bars</td>
<td>Kg</td>
<td>111.55</td>
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<td>WATERPROOFING</td>
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<td>22.2</td>
<td>Providing and laying integral cement based treatment for water proofing on the vertical surface by fixing specified stone slab 22 mm to 25 mm thick with cement slurry mixed with water proofing compound conforming to IS:2645 in recommended proportions with a gap of 20 mm (minimum) between stone slabs and the receiving surfaces and filling the gaps with neat cement slurry mixed with water proofing compound and finishing the exterior of stone slab with cement mortar 1:3 (1 cement : 3 coarse sand) 20 mm thick with neat cement punning mixed with water proofing compound in recommended proportion complete at all levels and as directed by Engineer-in-charge:</td>
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<td></td>
<td>22.2.1</td>
<td>Using rough Kota stone</td>
<td>sqm</td>
<td>2036.44</td>
<td>65.85</td>
<td>134099.574</td>
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<td>2</td>
<td>22.3</td>
<td>Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) Ist course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) IInd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) Illrd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) IVth course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).</td>
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<tr>
<td>SUB HEAD - 17</td>
<td>FALSE CEILING</td>
<td>Providing and fixing false ceiling with 12 mm thick plain/semi perforated or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087, finished with a coat of aluminium primer on both sides &amp; edges, including two coats of synthetic enamel paint of approved quality on exposed face, fixed to a grid made out of anodised aluminium (with 15 micron anodic coating) Tsections 35 x15x1.5 mm size main runners, cross runners 23.5x19x1.5 mm fixed to main runners placed 600 mm centre to centre both ways so as to form a grid of 600 mm square. The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia M.S rod fixed to roof slab by means of ceiling cleats and dash fastener. The suspenders shall be placed 600 x 1200 mm centre to centre including fixing to the frame with C.P brass screws and applying a priming coat of zinc chromate yellow primer (aluminium frame work shall be paid separately). Location: Admin Block, Barracks and SO's Block.</td>
<td>sqm</td>
<td>1064.95</td>
<td>550.0</td>
<td>585722.50</td>
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<td>SUB HEAD - 18</td>
<td>M. S. POSTS</td>
<td>M.S. pipe 150 mm dia casing pipe (from roof overhang till plinth) Painting (two or more coats) on rain water, soil, waste and vent pipes and fittings with synthetic enamel paint of approved brand and manufacture and required colour over a priming coat of approved steel primer on new work. 150 mm diameter pipes</td>
<td>metre</td>
<td>1736.28</td>
<td>150</td>
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<td>a)</td>
<td>7743</td>
<td>13.56</td>
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<td>b)</td>
<td>13.56.2</td>
<td>13</td>
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<tr>
<td>B-</td>
<td></td>
<td>MISCELLANEOUS WORKS</td>
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<tr>
<td>SUB HEAD 1</td>
<td>RO SYSTEM</td>
<td>Supply, installation &amp; commissioning of Water treatment plant 200 LPH capacity comprising of RO treatment, Iron removal filter, Anti scalant dosing, &amp; PH correction system with following specifications complete in all respect: Permeate Flow 200 LPH Feed Flow 100 LPH Feed Pressure (Max) 14 kg/cm² Motor Rating 1.0 HP No. of Membrane 1 No Type of Membrane TFC Size of Membrane 4.0'' DMF Inlet Pressure Max 3.0 Kg/cm² No. of Pr. Tubes 1 No Cartridge Filter, Size 10'' Recovery 20-25% Each</td>
<td></td>
<td>334320.00</td>
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<td>334320.00</td>
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<tr>
<td>SUB HEAD 2</td>
<td>SOLAR BACKUP SYSTEM</td>
<td>Providing and installation Solar energy system of 5 KV capacity comprising of solar panel, 6 nos, tubular batteries (150 AH) complete in all respect with required panel, converter with etc as per design, drawings and specifications.</td>
<td>Each</td>
<td>1010014.00</td>
<td>1</td>
<td>1010014.00</td>
</tr>
<tr>
<td>SUB HEAD 3</td>
<td>MOVABLE FIXTURES</td>
<td>Supplying single bed of size with steel 6'-6&quot; x 3' size with steel frame and 12mm thick ply top complete as per approved design Supplying steel almirah size 1980x910x480 mm size with 4 shelesmade up to 20 gauge shutter with lock complete in all respects as per approved design</td>
<td>Each</td>
<td>2650.00</td>
<td>42.00</td>
<td>111300.00</td>
</tr>
<tr>
<td>SUB HEAD 4</td>
<td>RAIN WATER STORAGE TANK</td>
<td>1649 Polyethylene water storage tank with cover and suitable locking arrangement per</td>
<td></td>
<td>8800.00</td>
<td>18.00</td>
<td>158400.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL SUB HEAD 1=</td>
<td></td>
<td></td>
<td></td>
<td>334320.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TOTAL SUB HEAD 2=</td>
<td></td>
<td></td>
<td></td>
<td>1010014.00</td>
</tr>
<tr>
<td></td>
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<td>TOTAL SUB HEAD 3=</td>
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<td>269700.00</td>
</tr>
<tr>
<td></td>
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<td>TOTAL SUB HEAD 4=</td>
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</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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<td>--------------</td>
</tr>
<tr>
<td><strong>SUB HEAD 5</strong></td>
<td><strong>HORTICULTURE WORK</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Supplying and stacking of good earth at site including royalty and carriage upto 1 km (earth measured in stacks will be reduced by 20 % for payment):</td>
<td>cum</td>
<td>340.00</td>
<td>15</td>
<td>5100.00</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Supplying and stacking at site dump manure from Badli or other approved source, including carriage upto 1 km (manure measured in stacks will be reduced by 8% for payment): Screened through sieve of I.S. designation 16 mm</td>
<td>cum</td>
<td>280.00</td>
<td>13.5</td>
<td>3780.00</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Uprooting weeds from the trenched area after 10 to 15 days of its flooding with water including disposal of uprooted vegetation:</td>
<td>100 sqm</td>
<td>360.00</td>
<td>5.4</td>
<td>1944.00</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Fine dressing the ground:</td>
<td>100 sqm</td>
<td>270.00</td>
<td>5.4</td>
<td>1458.00</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Spreading of sludge, dump manure or and good earth in required thickness (Cost of sludge, dump manure or and good earth to be paid separately):</td>
<td>cum</td>
<td>40.00</td>
<td>13.75</td>
<td>550.00</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Mixing earth and sludge or manure in proportion specified or directed:</td>
<td>cum</td>
<td>26.00</td>
<td>13.45</td>
<td>349.70</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Grassing with ‘Doob’ grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately): In rows 7.5 cm apart in either direction</td>
<td>100 sqm</td>
<td>980.00</td>
<td>5.4</td>
<td>5292.00</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Uprooting rank vegetation and weeds by digging the area to a depth of 60 cm removing all weeds and other growth with roots by forking repeatedly, breaking clods, rough dressing, flooding with water, uprooting fresh growths after 10 to 15 days and then fine dressing for planting new grass, including disposal of all rubbish with all leads and lifts:</td>
<td>100 sqm</td>
<td>4460.00</td>
<td>5.4</td>
<td>24084.00</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Preparation of beds for hedging and shrubbery by excavation 60 cm deep and trenching the excavated base to a further depth of 30 cm, refilling the excavated earth after breaking clods and mixing with sludge or manure in the ratio of 8:1 (8 parts of stacke volume of earth after reduction by 20% : one part of sludge or manure after reduction by 8%), flooding with water, filling with earth if necessary, watering and finally fine dressing, levelling etc. including staking and disposal of materials declared unserviceable and surplus earth by spreading and levelling as directed, within a lead of 50 m lift upto 1.5 m complete (cost of sludge, manure or extra earth to be paid for separately):</td>
<td>cum</td>
<td>165.00</td>
<td>13.5</td>
<td>2227.50</td>
</tr>
<tr>
<td>Sl. No.</td>
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<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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</tr>
<tr>
<td>10</td>
<td></td>
<td>Providing and fixing M.S.flat iron tree guard 60 cm dia. and 2m height above ground level formed of 4 nos. 25 x 6 mm and 8 nos. 25 x 3 mm vertical M.S.flat iron rivetted to 3 nos. 25 x 6 mm M.S. flat iron rings in two halves, bolted together with 8 mm dia. and 30 mm long bolts including painting two coats with paint of approved brand and manufacture over a coat of priming, complete in all respects:</td>
<td>Each</td>
<td>4500.00</td>
<td>16</td>
<td>72000.00</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>Supplying and planting the following as per drawing:- Anthurium araceae, Anthurium navasii, Rosa, Oxalis triangularis, Ravenia spectabilis, Tabernaemontana, Anthcephalus Chinensis, Bauhinia Blackeana, Delonix Regia, Michelia Champaca, Acalypha Wilkesiana 'Dwarf', Codiaeum Variegatum, Pleioblastus variegatus, Plumeria alba, Hamelia Patens, Ixora Chenensis 'Nana Pink', Pleomele Reflexa 'Variegata', Lagerstroemia indica dwarf, Duranta goldiana, Ficus benjamina, Ficus panda, Mimusops elengi, Vinca Rosea, Wadelia Trilobata</td>
<td>Each</td>
<td>250</td>
<td>100</td>
<td>25000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL SUB HEAD 5=</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>141785.20</strong></td>
</tr>
</tbody>
</table>

**SUB HEAD 6  BORING & TUBEWELL**

<p>| 1      | Transportation of drilling RIGS and other equipement, tools/trickles etc to work site. | Lot   | 80000     | 1         | 80000.00   |</p>
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>Boring by het or Dheki for lowering of UPVC of 150 mm dia, including cutting the pipe.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>a) From G. L. to 30.5 m Depth (for all kind of soil)</td>
<td>Job</td>
<td>54900</td>
<td>2</td>
<td>109800.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) From 30.5 m to 61m Depth (for all kind of soil)</td>
<td>Job</td>
<td>56425</td>
<td>2</td>
<td>112850.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c) From 61 m to 91.5 m Depth (all kind of soil)</td>
<td>Job</td>
<td>56425</td>
<td>2</td>
<td>112850.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d) From91.5 m to 122 m Depth (all kind of soil)</td>
<td>Job</td>
<td>56425</td>
<td>2</td>
<td>112850.00</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Providing &amp; lowering of UPVC pipe of 150 mm dia, rating of 8 Kg/ sqcm as per the spec.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>a) From G. L. to 30.5 m Depth (for all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
<td>152500.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) From 30.5 m to 61m Depth (for all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
<td>152500.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>c) From 61 m to 91.5m Depth (for all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
<td>152500.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>d) From91.5 m to 122 m Depth (all kind of soil)</td>
<td>Mtr</td>
<td>2500</td>
<td>61</td>
<td>152500.00</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Providing &amp; lowering of pea gravel of size 3mm to 8mm dia, free from dirt, rust and other.</td>
<td>cum</td>
<td>7425</td>
<td>9</td>
<td>66825.00</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Development of the tube well by compressed air plant.</td>
<td>Lot</td>
<td>75000</td>
<td>2</td>
<td>150000.00</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Supply and erection of submersible pump of HP rating capacity for lifting of water from well. Providing and fixing of Electrical control panel for 10hp pumps with starter complete in all respects</td>
<td>Lot</td>
<td>75000</td>
<td>2</td>
<td>150000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Lot</td>
<td>75000</td>
<td>2</td>
<td>150000.00</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Providing and laying of electrical control and power cable from panel to pump.</td>
<td>Mtr</td>
<td>275</td>
<td>360</td>
<td>99000.00</td>
</tr>
<tr>
<td></td>
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<td><strong>TOTAL SUB HEAD 6</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>1674175.00</strong></td>
</tr>
</tbody>
</table>

**SUB HEAD 7**

**WATER PUMPING WORKS**

1. Providing and fixing horizontal single/multistage centrifugal pumping set with Cl body, bronze impeller, stainless steel shaft and induction motor mounted on common base frame, vibration pads accessories complete as per specifications.
   - Water Lift Pump To Over Head Tank
   - Type of pump-Horizontal (End Suction)
   - Capacity - 200 LPM
   - Head - 30 M
   - H.P - To suit
   - Motor RPM - 2900

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td>Providing and fixing cast iron dual plate type non-return valve (as per Technical specification) including nuts, bolts, 1.5mm thick CAF gasket sheets, complete in all respects.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>a) 50 NB</td>
<td>Each</td>
<td>8800</td>
<td>2</td>
<td>17600.00</td>
</tr>
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</table>

**TOTAL SUB HEAD 7**

**17/22**
<table>
<thead>
<tr>
<th>Sl. No.</th>
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<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Providing and fixing cast steel/ Bronze/ Gum Metal Ball valve as per IS, Tested as per (PN: 1.6) rating, including nuts, bolts, Minimum 1.5 mm thick CAF gasket sheets, complete in all respects.</td>
<td>a) 50 NB</td>
<td>Each</td>
<td>8250</td>
<td>3</td>
<td>24750.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) 65 NB</td>
<td>Each</td>
<td>10450</td>
<td>3</td>
<td>31350.00</td>
</tr>
<tr>
<td>4</td>
<td>Providing and fixing standard dial type pressure gauge dia 100 mm with screwed inlet with isolation cock suitable for liquid gauge to show pressure upto:</td>
<td>a) (0-5) KG/Sq.cm</td>
<td>Each</td>
<td>2000</td>
<td>3</td>
<td>6000.00</td>
</tr>
<tr>
<td>5</td>
<td>Providing and fixing GI pipes to IS:1239/3589 heavy class including all fitting like anchor fastners, couplings, bends, elbows, tee, flanges etc. Welding/threaded joint as required painting with one coat of red oxide primer and two or more coats of synthetic enamel paint.</td>
<td>40mm Mtr</td>
<td>1300</td>
<td>10</td>
<td></td>
<td>9666.25</td>
</tr>
<tr>
<td>6</td>
<td>Providing and fixing dust and vermin proof cubical type motor control centre for the pumps mentioned in item NO.1. It is fabricated from 2mm thick CRCA sheet with stove enamelled finish and comprising of:</td>
<td>a) One incoming main MCCB if suitable rating.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) One fully taped aluminium bus-bar of suitable capacity in separate bus-bar chamber.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>c) One MCCB/MPCB of suitable capacity and rating for each pumps (mentioned in Item No.1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>d) One No. fully automatic star-delta/DOL starter with push buttons and on/off indicating lights for each pumps (mentioned in Item no.1)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>e) One rotary type auto/manual off selector switch for each pumps alongwith duty selector switch between working &amp; stand by.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>f) One 144x144mm panel type voltmeter of suitable range with rotary selector switch reading voltage between phases.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>g) One 144x144mm panel type ampere meter of suitable range with rotary selector switch for reading amperes between phases for each pump.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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</tr>
<tr>
<td>h)</td>
<td></td>
<td>Provision of providing water level controller/ indicator interlocking for automatic operation along with Relay/ Modulas required for items described in item No.2 of the schedule of Quantities is to be taken care of in the control panel.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>i)</td>
<td></td>
<td>Appropriate etched plastic plate for each starter/switch.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>j)</td>
<td></td>
<td>Single phasing preventors one for each 3-phase motor.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>k)</td>
<td></td>
<td>Colour coded internal wiring from incoming main to bus-bar switch, geat, starters, meters indicating lamps complete in all respect.</td>
<td>Each</td>
<td>187500</td>
<td>1</td>
<td>187500</td>
</tr>
<tr>
<td>NOTE:</td>
<td></td>
<td>The rating off all switchgear must be HP of all pumps quoted and 20% space for spare to be kept in the panel.</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>7</td>
<td></td>
<td>Providing and fixing M.S. flanged connection Bronze Y type strainers with nuts, bolts, CAF gasket 2mm thick complete in all respects.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a) 65 NB</td>
<td></td>
<td>Mild steel (rubber lined) or FRP constructed pressure vessel (as per IS:2825) dual media filter complete in all respects, ready for operation of capacityy 9 Cu.M per hour complete with dished ends, supporting legs and facing pad for pipe connection complete</td>
<td>Each</td>
<td>13475</td>
<td>2</td>
<td>26950</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Mild steel (rubber lined) or FRP constructed pressure vessel (as per IS:2825) dual media filter complete in all respects, ready for operation of capacityy 9 Cu.M per hour complete with dished ends, supporting legs and facing pad</td>
<td>Each</td>
<td>240000</td>
<td>1</td>
<td>240000</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>Mild steel (rubber lined) or FRP constructed pressure vessel (as per IS:2825) iron removal filter having MgSO4 media filled complete in all respects, ready for operation of capacityy 9 Cu.M per hour complete with dished ends, supporting legs and facing pad</td>
<td>Each</td>
<td>355000</td>
<td>1</td>
<td>355000</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Medium pressure spring actuator type chemical dosing pump with FRP body and internal parts, dispensing valves, four valves, relief valves, mounting plate, chemical tank of 250 Litre capacity complete.</td>
<td>Each</td>
<td>55000</td>
<td>2</td>
<td>110000</td>
</tr>
<tr>
<td>TOTAL SUB HEAD 7 =</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>1148816.25</strong></td>
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<td>Unit</td>
<td>Rate (Rs.)</td>
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<td>Amount (Rs.)</td>
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</tr>
<tr>
<td>SUB HEAD 8</td>
<td>ENTRY GATE &amp; SIGN BOARDS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Earth work in excavation over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sq.m on plan) including disposal of excavated earth lead upto 50m and lift upto 1.5 m, disposed earth to be levelled and neatly dressed: All kind of soil.</td>
<td>cum</td>
<td>301.93</td>
<td>17.523</td>
<td>5290.71939</td>
</tr>
<tr>
<td>2.6.1</td>
<td></td>
<td>Providing and laying in position machine mixed plain cement concrete of specified grade excluding the cost of centering and shuttering - All work upto plinth level 1:4:8 (1 cement : 4 course sand : 8 graded stone aggregate 40mm nominal size)</td>
<td>cum</td>
<td>10947.64</td>
<td>1.17</td>
<td>12808.74</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centring, shuttering, finishing and reinforcement - All work upto plinth level: 1:1.5:3 (1 cement: 1.5 coarse sand: 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>15522.38</td>
<td>4.55</td>
<td>70626.83</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Centering and shuttering including leveling, strutting and proping and removal of form for concrete work at all levels for:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>a)</td>
<td>foundations, bases of columns, plinth beams, columns below plinth level etc</td>
<td>sqm</td>
<td>508.48</td>
<td>11.7</td>
<td>5949.22</td>
</tr>
<tr>
<td></td>
<td>b)</td>
<td>Columns, Pillars, Piers, Abutments</td>
<td>sqm</td>
<td>1058.18</td>
<td>17.5</td>
<td>18518.15</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses plinth and string courses fillets, columns, piliars, piers, abutments, posts and struts etc. upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement: 1:1.5:3 (1 cement: 1.5 Coarse Sand: 3 graded stone aggregate 20 mm nominal size)</td>
<td>cum</td>
<td>17475</td>
<td>2.6</td>
<td>45435.00</td>
</tr>
<tr>
<td>5.2.2</td>
<td></td>
<td>Reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete.</td>
<td>Kg</td>
<td>137.33</td>
<td>407</td>
<td>55893.31</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>15 mm cement plaster on the rough side of single or half brick wall of mix:</td>
<td>sqm</td>
<td>328.44</td>
<td>17.5</td>
<td>5747.70</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Steel work welded in built up section /framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladders, railings, brackets, gates &amp; similar works</td>
<td>Kg</td>
<td>196.51</td>
<td>363.8</td>
<td>71490.34</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Finishing walls with waterproofing cement paint 'Snowcemplus' of M/s Snow-cem india ltd. Or equivalent of required shade</td>
<td>sqm</td>
<td>136.95</td>
<td>54.4</td>
<td>7450.08</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
</tr>
<tr>
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<td>----------</td>
<td>--------------</td>
</tr>
<tr>
<td>10</td>
<td>13.61.1</td>
<td>Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade</td>
<td>sqm</td>
<td>164.06</td>
<td>2.9</td>
<td>475.77</td>
</tr>
<tr>
<td>11</td>
<td>16.59</td>
<td>Manufacturing supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type-IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, using 3M or equivalent reflective sheet, message (bi-lingual), symbols and borders etc. as per IRC: 67-2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class-2 of ASTM-D 4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S angle iron of size 25x25x3 mm along with theft resistant measures, mounted and fixed with 2 Nos M.S angles of size 35x35x5 mm to a vertical post made up to M.S Tee Section ISMT 50X50X6 mm welded with base plate of size 100x100x5 mm at the bottom end and including making holes in pipes, angle flats, providing &amp; fixing M.S. message plate of required size steel work to be painted with two or more coats of synthetic enamel paint of required shade and of approved brand &amp; manufacture over priming coat of zinc chromate yellow primer (vertical MS-Tee support to be painted in white and black colours). Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-Charge.</td>
<td>sqm</td>
<td>13954.86</td>
<td>4.25</td>
<td>59308.16</td>
</tr>
<tr>
<td>16.59.1</td>
<td></td>
<td>Mandatory/ Regulatory sign boards of 900mm dia.-metre with part as length of 3750 mm</td>
<td>sqm</td>
<td>13954.86</td>
<td>4.25</td>
<td>59308.16</td>
</tr>
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</table>

**TOTAL SUB HEAD B8** | **358994.01**
<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
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<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>SUB HEAD 9</td>
<td>FIRE FIGHTING WORK</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Providing and fixing portable fire extinguisher water type (gas cartridge) with cylinder fully charged of 9 litres capacity complete with standard discharged valve with type CI bracket for wall mounting etc. conforming to IS:940.</td>
<td>No.</td>
<td>3750</td>
<td>9</td>
<td>33750.00</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Providing and fixing portable fire extinguisher, dry power type (gas cartridge) with cylinder initially fully charfed with dry powder (ABC type) of 5 kg. Complete with standard discharge valve with tube, CI bracket for wall mounting etc. conforming to IS:13849</td>
<td>No.</td>
<td>4000</td>
<td>9</td>
<td>36000.00</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Providing and fixing portable fire extinguisher, carbon dioxide type with cylinder initially fully charged with co2 gas of 4.5 kg. Capacity complete with discharge valve, discharge tube, horn, CI bracket for wall mounting etc. conforming to IS:2878.</td>
<td>No.</td>
<td>9500</td>
<td>9</td>
<td>85500.00</td>
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<tr>
<td>4</td>
<td></td>
<td>Providing and fixing portable fire extinguisher mechanical foam type with cylinder initially fully charged with foam compound of 9 litres capacity, complete with standard discharge valve with tube CI bracket for wall mounting etc, conforming to IS:10204</td>
<td>No.</td>
<td>3500</td>
<td>9</td>
<td>31500.00</td>
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<td></td>
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<td>TOTAL SUB HEAD 9=</td>
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<td></td>
<td></td>
<td>186750.00</td>
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<tr>
<td></td>
<td>SUB HEAD 10</td>
<td>MOSQUITO MESH</td>
<td></td>
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<tr>
<td>1</td>
<td></td>
<td>Supplying and fixing of Mosquito Mesh on doors and windows with 50x25 mm. wooden frame, made of local wood, applied with primer and paint one coat each complete with hardwares</td>
<td>sqm</td>
<td>3500</td>
<td>215</td>
<td>752500.00</td>
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<td></td>
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<td>TOTAL SUB HEAD 10=</td>
<td></td>
<td></td>
<td></td>
<td>752500.00</td>
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<tr>
<td></td>
<td></td>
<td>TOTAL OF SUB-HEADS 1 TO 10=</td>
<td></td>
<td></td>
<td></td>
<td>6195054.46</td>
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### C - PLUMBING WORKS

<table>
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<tr>
<th>SL. NO.</th>
<th>DSR 2014</th>
<th>DESCRIPTION</th>
<th>UNIT</th>
<th>RATE (Rs.)</th>
<th>QTY</th>
<th>AMOUNT (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUB HEAD 1</strong></td>
<td></td>
<td><strong>SANITARY FIXTURE</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>17.1</td>
<td>Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:</td>
<td>Each</td>
<td>5557.41</td>
<td>2</td>
<td>11114.82</td>
</tr>
<tr>
<td></td>
<td>17.1.1</td>
<td>White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests</td>
<td>Each</td>
<td>5557.41</td>
<td>2</td>
<td>11114.82</td>
</tr>
<tr>
<td>2</td>
<td>17.3</td>
<td>Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern &amp; C.P. flush bend with fittings &amp; C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required:</td>
<td>Each</td>
<td>5557.41</td>
<td>2</td>
<td>11114.82</td>
</tr>
<tr>
<td></td>
<td>17.3.1</td>
<td>W.C. pan with ISI marked white solid plastic seat and lid</td>
<td>Each</td>
<td>7837.17</td>
<td>13</td>
<td>101883.21</td>
</tr>
<tr>
<td>3</td>
<td>17.7</td>
<td>Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever required:</td>
<td>Each</td>
<td>3485.50</td>
<td>17</td>
<td>59253.50</td>
</tr>
<tr>
<td></td>
<td>17.7.3</td>
<td>White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps</td>
<td>Each</td>
<td>3485.50</td>
<td>17</td>
<td>59253.50</td>
</tr>
<tr>
<td>4</td>
<td>17.23</td>
<td>Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.</td>
<td>Each</td>
<td>1459.62</td>
<td>4</td>
<td>5838.48</td>
</tr>
<tr>
<td>5</td>
<td>17.10</td>
<td>Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required:</td>
<td>Each</td>
<td>1459.62</td>
<td>4</td>
<td>5838.48</td>
</tr>
<tr>
<td></td>
<td>17.10.2</td>
<td>Kitchen sink without drain board</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>17.10.2.1</td>
<td>610x510 mm bowl depth 200 mm</td>
<td>Each</td>
<td>7114.57</td>
<td>2</td>
<td>14229.14</td>
</tr>
<tr>
<td><strong>C. P. BRASS FITTINGS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>18.52</td>
<td>Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.</td>
<td>Each</td>
<td>1015.15</td>
<td>81</td>
<td>82227.15</td>
</tr>
<tr>
<td>18.52.1</td>
<td>15 mm nominal bore</td>
<td>Each</td>
<td>1015.15</td>
<td>81</td>
<td>82227.15</td>
<td></td>
</tr>
<tr>
<td>SL. NO.</td>
<td>DSR 2014</td>
<td>DESCRIPTION</td>
<td>UNIT</td>
<td>RATE (Rs.)</td>
<td>QTY</td>
<td>AMOUNT (Rs.)</td>
</tr>
<tr>
<td>---------</td>
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<td>-------------</td>
</tr>
<tr>
<td>7</td>
<td>17.28</td>
<td>Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.28.2</td>
<td>Flexible pipe</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>17.28.2.1</td>
<td>32 mm dia</td>
<td>Each</td>
<td>121.95</td>
<td>66</td>
<td>8048.70</td>
</tr>
<tr>
<td>b)</td>
<td>17.28.2.2</td>
<td>40 mm dia</td>
<td>Each</td>
<td>125.72</td>
<td>2</td>
<td>251.44</td>
</tr>
<tr>
<td>8</td>
<td>17.34</td>
<td>Providing and fixing toilet paper holder:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.34.1</td>
<td>C.P. brass</td>
<td>Each</td>
<td>681.24</td>
<td>13</td>
<td>8856.12</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>18.56</td>
<td>Providing and fixing PTMT pillar cock of approved quality and colour.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.56.1</td>
<td>15 mm nominal bore, 107 mm long, weighing not less than 110 gms</td>
<td>Each</td>
<td>374.61</td>
<td>19</td>
<td>7117.59</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>17.71</td>
<td>Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.</td>
<td>Each</td>
<td>374.86</td>
<td>19</td>
<td>7122.34</td>
</tr>
<tr>
<td>11</td>
<td>17.72</td>
<td>Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.</td>
<td>Each</td>
<td>357.90</td>
<td>21</td>
<td>7515.90</td>
</tr>
<tr>
<td>12</td>
<td>17.32</td>
<td>Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>17.32.2</td>
<td>Rectangular shape 453x357 mm</td>
<td>Each</td>
<td>1192.30</td>
<td>3</td>
<td>3576.90</td>
</tr>
<tr>
<td>b)</td>
<td>17.32.4</td>
<td>Rectangular shape 1500x450 mm</td>
<td>Each</td>
<td>2182.55</td>
<td>12</td>
<td>26190.60</td>
</tr>
<tr>
<td>13</td>
<td>17.6</td>
<td>Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17.6.1</td>
<td>100 mm inlet and 100 mm outlet</td>
<td>Each</td>
<td>1609.42</td>
<td>31</td>
<td>49892.02</td>
<td></td>
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<tr>
<td>14</td>
<td>18.58</td>
<td>Providing and fixing PTMT grating of approved quality and colour.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18.58.1.2</td>
<td>125 mm nominal dia with 25 mm waste hole</td>
<td>Each</td>
<td>93.94</td>
<td>31</td>
<td>2912.14</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>WC connector</td>
<td></td>
<td>79.95</td>
<td>17</td>
<td>1500.00</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>17.7</td>
<td>Providing and fixing PTMT Bottle Trap for Wash basin and sink.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>17.70.1</td>
<td>Bottle trap 31mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 260 gms</td>
<td>Each</td>
<td>810.65</td>
<td>17</td>
<td>13781.05</td>
</tr>
<tr>
<td>b)</td>
<td>17.70.2</td>
<td>Bottle trap 38 mm single piece moulded with height of 270 mm, effective length of tail pipe 260 mm from the centre of the waste coupling, 77 mm breadth with 25 mm minimum water seal, weighing not less than 263 gms</td>
<td>Each</td>
<td>848.73</td>
<td>2</td>
<td>1697.46</td>
</tr>
<tr>
<td>SL. NO.</td>
<td>DSR 2014</td>
<td>DESCRIPTION</td>
<td>UNIT</td>
<td>RATE (Rs.)</td>
<td>QTY</td>
<td>AMOUNT (Rs.)</td>
</tr>
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<td>--------------</td>
</tr>
<tr>
<td>17</td>
<td>17.28</td>
<td>Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.</td>
<td>Each</td>
<td>125.72</td>
<td>17</td>
<td>2137.24</td>
</tr>
<tr>
<td>a) 17.28.1.1</td>
<td>32 mm dia (for basin waste)</td>
<td>Each</td>
<td>125.72</td>
<td>17</td>
<td>2137.24</td>
<td></td>
</tr>
<tr>
<td>b) 17.28.1.2</td>
<td>40 mm dia (for sink waste)</td>
<td>Each</td>
<td>135.30</td>
<td>2</td>
<td>270.60</td>
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<td>TOTAL SUB-HEAD 1 =</td>
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<td></td>
<td></td>
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<td>415416.40</td>
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**SUB HEAD 2**  
SOIL WASTE & RAIN WATER

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<thead>
<tr>
<th>1</th>
<th>SCI Soil waste pipe</th>
<th>Providing and fixing soil, waste and vent pipes:</th>
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<tr>
<td>17.35.1</td>
<td>100 mm dia</td>
<td></td>
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<tr>
<td>17.35.1.1</td>
<td>Sand cast iron S&amp;S pipe as per IS: 1729</td>
<td>metre</td>
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<table>
<thead>
<tr>
<th>2</th>
<th>GI waste pipe</th>
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</tr>
</thead>
<tbody>
<tr>
<td>a) 32 mm dia</td>
<td>Each</td>
<td>294.84</td>
</tr>
<tr>
<td>b) 40 mm dia</td>
<td>Each</td>
<td>360.36</td>
</tr>
<tr>
<td>c) 50 mm dia</td>
<td>Each</td>
<td>450.45</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>Providing and fixing 15 cm wide, 45 cm overall semi-circular plain G.S. sheet gutter with iron brackets 40x3mm size, bolts, nuts and washers etc., including making necessary connections with rain water pipes complete.</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) 0.80 mm thick with zinc coating not less than 275 gm/m²</td>
<td>metre</td>
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TOTAL SUB-HEAD 2 = 474136.66

**SUB HEAD 3**  
WATER SUPPLY GI MEDIUM GRADE PIPE

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<tr>
<th>1</th>
<th>COLD WATER SUPPLY</th>
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</thead>
<tbody>
<tr>
<td>a) 15 mm dia</td>
<td>metre</td>
<td>352.33</td>
</tr>
<tr>
<td>b) 20 mm dia</td>
<td>metre</td>
<td>408.35</td>
</tr>
<tr>
<td>c) 25 mm dia</td>
<td>metre</td>
<td>498.20</td>
</tr>
<tr>
<td>d) 32 mm dia</td>
<td>metre</td>
<td>562.16</td>
</tr>
<tr>
<td>e) 40 mm dia</td>
<td>metre</td>
<td>697.21</td>
</tr>
<tr>
<td>f) 50 mm dia</td>
<td>metre</td>
<td>863.55</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>2</th>
<th>HOT WATER SUPPLY</th>
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</tr>
</thead>
<tbody>
<tr>
<td>a) 15 mm dia</td>
<td>metre</td>
<td>352.33</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3</th>
<th>Full way Brass ball valve</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a) 1927</td>
<td>Brass full way valve with C.I. wheel (screwed end) 25 mm dia</td>
<td>Each</td>
</tr>
<tr>
<td>b) 1928</td>
<td>Brass full way valve with C.I. wheel (screwed end) 32 mm dia</td>
<td>Each</td>
</tr>
<tr>
<td>c) 1929</td>
<td>Brass full way valve with C.I. wheel (screwed end) 40 mm dia</td>
<td>Each</td>
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TOTAL SUB-HEAD 3 = 82239.61

**SUB HEAD 4**  
EXTERNAL SEWERAGE AND DRAINAGE

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<th>NP 2 RCC pipe</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>a) 150 mm dia</td>
<td>RM</td>
<td>570.52</td>
</tr>
<tr>
<td>c) 250 mm dia</td>
<td>RM</td>
<td>767.57</td>
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TOTAL SUB HEAD 4 = 200197.75
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<th>AMOUNT (Rs.)</th>
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<tr>
<td></td>
<td><strong>CIVIL WORK RELATED TO PLUMBING WORKS</strong></td>
<td></td>
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<tr>
<td></td>
<td><strong>SUB HEAD 5</strong></td>
<td><strong>EXTERNAL DRAINAGE</strong></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1</td>
<td>19.7.1.2</td>
<td>Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 sand) R.C.C. top slab with 1:2:4 mix (1 cement :2 sand :4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement :4 sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement:2 sand:4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 90x80 cm and 45 mm deep including C.I cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg); With Sewer bricks conforming to IS:4885</td>
<td>Nos.</td>
<td>14236.27</td>
<td>22</td>
<td>313197.94</td>
</tr>
<tr>
<td>2</td>
<td>19.7.3.2</td>
<td>Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 sand) R.C.C. top slab with 1:2:4 mix (1 cement :2 sand :4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement :4 sand :8 graded stone aggregate 40 mm nominal size) inside plastering 12 mm thick with cement mortar 1:3 (1 cement: 3 sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement:2 sand:4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design: Inside size 120x90 cm and 90 cm deep including C.I cover with frame (heavy duty) 560 mm internal diameter, total weight of cover and frame to be not less than 208 kg (weight of cover 108 kg and weight of frame 100 kg) With Sewer bricks conforming to IS:4885</td>
<td>Each</td>
<td>38182.19</td>
<td>20</td>
<td>763643.8</td>
</tr>
<tr>
<td>3</td>
<td>19.32.1</td>
<td>Making soak pit 2.5 m diameter 3.0 Metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W.drain pipe 100 mm diameter, 1.8 m long complete as per standard design: With common burnt clay F.P.S. (non modular) bricks of class designation 7.5</td>
<td>Nos.</td>
<td>29990.96</td>
<td>2</td>
<td>59981.92</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL SUB HEAD 5 =</strong></td>
<td></td>
<td></td>
<td></td>
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<td>AMOUNT (Rs.)</td>
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<td>-------------</td>
<td>------</td>
<td>------------</td>
<td>-----</td>
<td>--------------</td>
</tr>
<tr>
<td><strong>SUB HEAD 6</strong></td>
<td></td>
<td><strong>UNDER GROUND WATER TANK</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>2.6.1</td>
<td>Earth work in excavation over areas (exceeding 30cm in depth, 1.5m in width as well.)</td>
<td>cum</td>
<td>301.39</td>
<td>90</td>
<td>27125.1</td>
</tr>
<tr>
<td>2</td>
<td>4.1.8</td>
<td>Providing and laying in position machine mixed plain cement concrete of specified. 1:4:8 (1 cement : 4 sand : 8 graded stone aggregate 40 mm nominal size).</td>
<td>cum</td>
<td>10947.64</td>
<td>5</td>
<td>54738.2</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Centering and shuttering including leveling, struting and propping and removal from.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>5.9.1</td>
<td>Foundations, bases of columns, plinth beams, columns below plinth level etc.</td>
<td>sqm</td>
<td>508.48</td>
<td>5</td>
<td>2542.4</td>
</tr>
<tr>
<td>b)</td>
<td>5.9.2</td>
<td>Walls (any thickness), including attached pilasters, buttresses plinth and string courses fillets, columns, pillars, piers, abutments, posts and struts etc.</td>
<td>sqm</td>
<td>825.26</td>
<td>59</td>
<td>48690.34</td>
</tr>
<tr>
<td>c)</td>
<td>5.9.3</td>
<td>Suspended floors, roofs, landings, balconies and access platforms.</td>
<td>sqm</td>
<td>900.79</td>
<td>5</td>
<td>4503.95</td>
</tr>
<tr>
<td>4</td>
<td>5.1.2</td>
<td>Providing and laying in position specific grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work upto plinth level 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20mm nominal size)</td>
<td>cum</td>
<td>15522.38</td>
<td>4</td>
<td>62089.52</td>
</tr>
<tr>
<td>5</td>
<td>5.2.2</td>
<td>Reinforced cement concrete work in walls (any thickness) including attached, pilasters, buttresses plinth &amp; string courses</td>
<td>cum</td>
<td>17475</td>
<td>21</td>
<td>366975</td>
</tr>
<tr>
<td>6</td>
<td>5.22A.6</td>
<td>Reinforcement for RCC work including straightening, cutting, bending, placing.</td>
<td>Kg</td>
<td>137.33</td>
<td>99</td>
<td>13595.67</td>
</tr>
<tr>
<td>7</td>
<td>22.1.1</td>
<td>Providing and laying integral cement based treatment for water proofing on horizontal. 1) Ist layer of 22mm to 25mm thick approved and specified rough stone slab over a 25mm. 2) 2nd layer of 25mm thick cement mortar 1:3 (1 cement : 3 coarse sand) mixed with water.</td>
<td>sqm</td>
<td>2232.76</td>
<td>63</td>
<td>140663.88</td>
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<tr>
<td><strong>TOTAL SUB HEAD 6</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>720924.06</strong></td>
</tr>
<tr>
<td><strong>SUB HEAD 7</strong></td>
<td></td>
<td><strong>STORM WATER DRAIN</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Constructing brick masonry open surface drain with bricks of class designation 7.5 in cement mortar 1:4 (1 cement : 4 fine sand) including earth excavation, 10 cm thick bed concrete</td>
<td>RM</td>
<td>4814.67</td>
<td>135</td>
<td>649980.45</td>
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<tr>
<td><strong>TOTAL SUB HEAD 7</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>649980.45</strong></td>
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<tr>
<td><strong>TOTAL OF SUB HEADS 1 TO 7</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td><strong>3679718.59</strong></td>
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### D - ELECTRICAL WORKS

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
<th>Unit</th>
<th>Rate (Rs.)</th>
<th>Quantity</th>
<th>Amount (Rs.)</th>
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<tr>
<td><strong>INTERNAL ELECTRICAL WORKS</strong></td>
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<td></td>
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<tr>
<td><strong>SUB-HEAD 1</strong></td>
<td><strong>INTERNAL Wiring</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Rates of only ISI marked M.S. conduit, FRLS PVC insulated copper conductor single core cables, moulded plate type switches in passivated box and FR PVC insulated earth wire have been taken in the following items unless otherwise specified and as per specification.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.3</td>
<td></td>
<td>Wiring for Light point / Fan point / Exhaust Fan point / Call Bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1.3.3</td>
<td>a) Group - C</td>
<td>Point 1642.91 205 336796.55</td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td>Wiring for circuit / submain wiring along with earth wire with the following size FRLS PVC insulated copper conductor, single core cable in surface / recessed steel conduit as required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>1.7.2</td>
<td>a) 2x2.5 Sq.mm. + 1x2.5 Sq.mm. earth wire</td>
<td>Rm</td>
<td>327.60</td>
<td>525</td>
<td>171990.00</td>
</tr>
<tr>
<td>b)</td>
<td>1.7.3</td>
<td>b) 2x4 Sq.mm. + 1x4 Sq.mm. earth wire</td>
<td>Rm</td>
<td>378.38</td>
<td>424</td>
<td>160433.12</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Wiring for light / power (For 20 A Industrial Socket) plug point with 2 x 4 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit along with 1 No. 4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required</td>
<td>Metre</td>
<td>381.65</td>
<td>60</td>
<td>22899.00</td>
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<tr>
<td>4</td>
<td></td>
<td>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection, painting etc. as required. (For light plugs to be used in non residential buildings.</td>
<td>Each</td>
<td>496.31</td>
<td>65</td>
<td>32260.15</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 15 / 16 &amp; 5 / 6 amps modular socket outlet and 15 / 16 amps modular switch, connection, painting etc. as required.</td>
<td>Each</td>
<td>647.01</td>
<td>18</td>
<td>11646.18</td>
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<tr>
<td>Sl. No.</td>
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<td>Quantity</td>
<td>Amount (Rs.)</td>
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<td>------------</td>
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</tr>
<tr>
<td>6</td>
<td>2.18</td>
<td>Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top along with 20 amps &quot;C&quot; curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket outlet and complete with connections, testing and commissioning etc. as required.</td>
<td>Each</td>
<td>1562.65</td>
<td>3</td>
<td>4687.95</td>
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<td><strong>TOTAL SUBHEAD 1</strong></td>
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<td><strong>740712.95</strong></td>
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<tr>
<td><strong>SUB-HEAD 2</strong></td>
<td><strong>ERECTION OF FAN &amp; LIGHT FIXTURES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1</td>
<td>1.25</td>
<td>Supply and fixing of step type electronic fan regulator on existing modular plate switch box including connection but excluding modular plate etc as required.</td>
<td>Each</td>
<td>465.19</td>
<td>38</td>
<td>17677.22</td>
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<tr>
<td><strong>TOTAL SUBHEAD 2 =</strong></td>
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<td><strong>17677.22</strong></td>
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<tr>
<td><strong>SUB-HEAD 3</strong></td>
<td><strong>SUPPLY AND INSTALLATION OF FANS &amp; LIGHT FIXTURES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1</td>
<td></td>
<td>Supply and installation of following type fluorescent/CFL fixtures shall be complete with Electronic Ballast, PF improvement capacitor, Control gear box. Bipin Rotor type lamp holder, starter, starter base, all pre wired upto the terminal block. All fixtures shall be supplied with lamps.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>1.42 + Philips price list</td>
<td>2x36W Indoor decorative luminaire suitable for surface as well as recessed mounting. Make PHILLIPS TCS306 2xTL-036W EBE or Equivalent</td>
<td>Each</td>
<td>4179.60</td>
<td>41</td>
<td>171363.60</td>
</tr>
<tr>
<td>b)</td>
<td>1.42 + Philips price list</td>
<td>2 x 36 W industrial type fluorescent fixture make PHILLIPS -TKC-203/236 HF or equivalent</td>
<td>Each</td>
<td>3519.60</td>
<td>29</td>
<td>102068.40</td>
</tr>
<tr>
<td>c)</td>
<td>1.42 + Philips price list</td>
<td>1 x 36 W industrial type fluorescent fixture make PHILLIPS CAT-TKC-203/136 HF</td>
<td>Each</td>
<td>2979.60</td>
<td>7</td>
<td>20857.20</td>
</tr>
<tr>
<td>d)</td>
<td>1.35 + Philips price list</td>
<td>1x18W Surface mounted downlight luminaire. Make Philips FCS100 1xPL-C/2P-18W I 240V or Equivalent</td>
<td>Each</td>
<td>1502.40</td>
<td>32</td>
<td>48076.80</td>
</tr>
<tr>
<td>e)</td>
<td>1.35 + Philips price list</td>
<td>2x18W Recessed downlighter with patterned specular reflector Make Philips FBS095 2xPL-C18W HF or Equivalent</td>
<td>Each</td>
<td>2006.40</td>
<td>12</td>
<td>24076.80</td>
</tr>
<tr>
<td>f)</td>
<td>1.35 + Philips price list</td>
<td>1 x 13 W CFL bulk head fixture make Decon-09 SZ</td>
<td>Each</td>
<td>2311.20</td>
<td>13</td>
<td>30045.60</td>
</tr>
<tr>
<td>g)</td>
<td>1.35 + Philips price list</td>
<td>1x1w Wall Recess Mounting LED Step Light Luminaire Extruded aluminium housing make BAJAJ BGST 01 01 WH or Equivalent.</td>
<td>Each</td>
<td>3360.00</td>
<td>20</td>
<td>67200.00</td>
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<tr>
<td>2</td>
<td>Ceiling fans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>a)</td>
<td></td>
<td>Supplying and fixing of 1200 mm sweep ceiling fan with 300/600/900 mm standard down rod and electrical connection as required etc.</td>
<td>Each</td>
<td>2750.00</td>
<td>38</td>
<td>104500.00</td>
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<tr>
<td>3</td>
<td>Exhaust fans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supply and installation of heavy duty type exhaust fans of following size sweep with gravity louvers shutters including all accessories/ installation materials required make, Crompton./ USHA/HAVELLS</td>
<td></td>
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<td></td>
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**Electrical_2/9**
<table>
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<th>Quantity</th>
<th>Amount (Rs.)</th>
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<tr>
<td>a)</td>
<td>Market rate</td>
<td>230 mm sweep 900 rpm</td>
<td>Each</td>
<td>3042.33</td>
<td>13</td>
<td>39550.29</td>
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<tr>
<td>b)</td>
<td>Market rate</td>
<td>381 mm sweep 900 rpm</td>
<td>Each</td>
<td>4563.78</td>
<td>4</td>
<td>18255.12</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL SUBHEAD 3 =</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td><strong>62593.81</strong></td>
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</tbody>
</table>

**SUB-HEAD 4**

**EARTHING**

| 1       | 5.4 | Earthing with G.I. Earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal or coke and salt complete as required. | Set | 7354.62    | 15       | 110319.30    |
| 2       | DSR 2014 + Market rate | Supplying and laying 50 mm X 6 mm G.I strip at 0.50 metre below ground as strip earth electrode, including connection/terminating with G.I. nut, bolt, g, washer etc. as required.(Jointing shall be done by overlapping and with 2 sets of G.I. nut bolt & spring washer spaced at 50mm) | Metre | 296.40    | 435      | 128934.00   |
|         | **TOTAL SUBHEAD 4 =** |                      |      |            |          | **239253.30** |

**SUB-HEAD 5**

**TELEPHONE**

| 1       | Market rate | 10 Pair | Nos. | 2159.53    | 1        | 2159.53     |
| 2       | Market rate | 4 Pair (Mkt) | Nos. | 1140.00    | 5        | 5700.00     |
| 2.18.2  | Market rate | 0.5sqmm (2 pair) FR PVC insulated copper conductor , unarmoured telephone cable in existing surface/ recessed steel /PVC conduit as required | Metre | 29.48    | 300      | 8844.00     |
| 3       | Market rate | 2 Pair telephone cord outlet (RJ-11) | Each | 392.40    | 20       | 7848.00     |
| 4       | Market rate | Computer terminal (RJ-45) | Each | 1120.16    | 30       | 33604.80    |
| 4.1     | Market rate | 20mm dia M.S. conduit.16 SWG M.S. conduit | Metre | 233.21    | 50       | 11660.50    |
| 4.2     | Market rate | 25mm dia M.S. conduit.16 SWG M.S. conduit | Metre | 271.13    | 50       | 13556.50    |
|         | **TOTAL SUBHEAD 5 =** |                      |      |            |          | **83373.33** |

**SUB-HEAD 6**

**DISTRIBUTION BOARD**
<table>
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<tr>
<th>Sl. No.</th>
<th>Reference DSR 2014</th>
<th>Description of items</th>
<th>Unit</th>
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<th>Quantity</th>
<th>Amount (Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/ RCCB/ Isolator)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>2.4.4</td>
<td>4way (4+12) Double door</td>
<td>Set</td>
<td>3562.65</td>
<td>3</td>
<td>10687.95</td>
</tr>
<tr>
<td>b)</td>
<td>2.4.6</td>
<td>8way (4+24) Double door</td>
<td>Set</td>
<td>5156.42</td>
<td>3</td>
<td>15469.26</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 volts, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>2.3.5</td>
<td>(2+4)way / 6way Double door</td>
<td>Set</td>
<td>1511.87</td>
<td>1</td>
<td>1511.87</td>
</tr>
<tr>
<td>b)</td>
<td>2.3.7</td>
<td>(2+8) way / 10 way Double door</td>
<td>Set</td>
<td>1854.22</td>
<td>1</td>
<td>1854.22</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, &quot;C&quot; curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>2.10.02</td>
<td>Single pole</td>
<td>Each</td>
<td>276.82</td>
<td>84</td>
<td>23252.88</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Supplying and fixing of following rating ,four pole (three phase and neutral 415 Volt - residual current circuit breaker (RCCB) having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>2.15.02</td>
<td>40amps</td>
<td>Each</td>
<td>3477.47</td>
<td>2</td>
<td>6954.94</td>
</tr>
<tr>
<td>b)</td>
<td>2.15.03</td>
<td>63amps</td>
<td>Each</td>
<td>3757.57</td>
<td>2</td>
<td>7515.14</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Supplying and fixing of following rating ,double pole (single phase and neutral 240 Volt - residual current circuit breaker (RCCB) ) having a sensitivity current up to 300 milliamperes in the existing MCB DB complete with connections ,testing and commissioning etc. as required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>2.14.1</td>
<td>25amps</td>
<td>Each</td>
<td>3411.04</td>
<td>1</td>
<td>3411.04</td>
</tr>
<tr>
<td>b)</td>
<td>2.14.2</td>
<td>40amps</td>
<td>Each</td>
<td>3607.73</td>
<td>1</td>
<td>3607.73</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TOTAL SUBHEAD 6</strong></td>
<td></td>
<td></td>
<td></td>
<td><strong>74265.03</strong></td>
</tr>
<tr>
<td><strong>SUB-HEAD 7</strong></td>
<td><strong>LIGHTNING PROTECTION</strong></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>1</td>
<td>6.4</td>
<td>Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm, long GI tube, having single prong at top, with 85 mm dia 6 mm thick GI base plat including holes etc. complete as required.</td>
<td>Set</td>
<td>1251.43</td>
<td>12</td>
<td>15017.16</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
</tr>
<tr>
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</tr>
<tr>
<td>2</td>
<td>6.7</td>
<td>Providing and fixing GI tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required. (For horizontal run)</td>
<td>Metre</td>
<td>111.38</td>
<td>700</td>
<td>77966.00</td>
</tr>
<tr>
<td>3</td>
<td>6.8</td>
<td>Providing and fixing GI tape 20 mm x 3 mm thick on parapet or surface of wall for lightning conductor as required (for vertical run)</td>
<td>Metre</td>
<td>160.52</td>
<td>250</td>
<td>40130.00</td>
</tr>
<tr>
<td>4</td>
<td>6.12</td>
<td>Providing and fixing testing joint, made of 20 mm x 3 mm thick Gi strip, 125 mm long with 4 Nos. brass bolts, nuts check nuts and spring washers etc. complete as required.</td>
<td>Set</td>
<td>116.30</td>
<td>15</td>
<td>1744.50</td>
</tr>
<tr>
<td>5</td>
<td>6.14</td>
<td>Providing and laying GI tape, 32 mm x 6 mm thick from earth electrode directly in ground as required.</td>
<td>Metre</td>
<td>230.96</td>
<td>100</td>
<td>23096.00</td>
</tr>
<tr>
<td>6</td>
<td>5.4</td>
<td>Earthing with G.I. Earth plate 600 mm x 600 mm x 6 mm thick including accessories and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal or coke and salt complete as required.</td>
<td>Set</td>
<td>7354.62</td>
<td>12</td>
<td>88255.44</td>
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<tr>
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<td><strong>TOTAL SUBHEAD 7 =</strong></td>
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<td><strong>246209.10</strong></td>
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<td>Sl. No.</td>
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<td>Quantity</td>
<td>Amount (Rs.)</td>
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</tr>
<tr>
<td>SUB-HEAD 8</td>
<td>EXTERNAL ELECTRICAL WORK</td>
<td>Supply, fabrication and installation of 4 m. long (finished vertical height) M.S. lighting post by NB 80 mm. medium class M.S. pipe as per IS 1239 including single arm bracket (0.5 mtr./0.6 mtr.) suitable for 1x10 WLED lighting fixture of Philips make, model BRP020 1x10LED or equivalent with base plate of suitable size along with bolt, nut, post cap, etc. and the material shall be coated with red oxide and outdoor type painting.</td>
<td>Each</td>
<td>7200.00</td>
<td>48</td>
<td>345600.00</td>
</tr>
<tr>
<td>1</td>
<td>Market rate</td>
<td>Supply, installation and connection with single core 2.5 sq.mm. copper wire of lighting fixture of Philips make, model BRP020 1x10W LED or equivalent.</td>
<td>Each</td>
<td>6600.00</td>
<td>48</td>
<td>316800.00</td>
</tr>
<tr>
<td>2</td>
<td>Market rate</td>
<td>Supplying and fixing of Weather proof box made of hot moulded SMC sheet of SYNTEx or equivalent make of size 333mmX233mmX120mm complete with 4 Nos of CU CONNECTOR of 63 A, 2 nos. cable gland, 2 nos. cables and also connection of the street light one 6A SP MCB complete in all respects.</td>
<td>Set</td>
<td>1555.85</td>
<td>48</td>
<td>74680.80</td>
</tr>
<tr>
<td>3</td>
<td>Market rate</td>
<td>Supplying and laying 6 SWG G.I. wire at 0.50 metre below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.</td>
<td>Metre</td>
<td>44.23</td>
<td>500</td>
<td>22115.00</td>
</tr>
<tr>
<td>4</td>
<td>5.7</td>
<td>Supplying and embedding 32mm dia. dia G.I. pipe (medium class) in pole collar/ foundation (during casting) for cable entry including bending the pipe to the required shape complete as required.</td>
<td>Set</td>
<td>466.83</td>
<td>60</td>
<td>28009.80</td>
</tr>
<tr>
<td>5</td>
<td>11.6.1</td>
<td>Providing and laying 150mm dia. GI pipe (medium class) 750mm bellow the ground with GI fittings including trenching (750mm deep) for road crossing</td>
<td>Metre</td>
<td>2479.93</td>
<td>55</td>
<td>136396.15</td>
</tr>
<tr>
<td>6</td>
<td>14.13</td>
<td>Supplying of following sizes of PVC insulated PVC sheathed aluminium -XLPE conductor armoured underground cable 1.1 KV grade etc. as required.</td>
<td>a) Market rate 2X6 sq.mm</td>
<td>Metre</td>
<td>144.00</td>
<td>352</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b) Market rate 4X10 sq.mm</td>
<td>Metre</td>
<td>240.00</td>
<td>275</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>c) Market rate 4X16 sq.mm</td>
<td>Metre</td>
<td>272.40</td>
<td>825</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>d) Market rate 3.5X25 sq.mm</td>
<td>Metre</td>
<td>297.60</td>
<td>915</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>e) Market rate 3.5X150 sq.mm</td>
<td>Metre</td>
<td>810.00</td>
<td>220</td>
</tr>
<tr>
<td>7</td>
<td>Market rate</td>
<td>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.</td>
<td>a) 7.1.1 up to 35 sq.mm</td>
<td>Metre</td>
<td>210.00</td>
<td>1500</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>b) 7.1.3 Above 95sq.mm. up to 185 sq. mm</td>
<td>Metre</td>
<td>240.00</td>
<td>210</td>
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<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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<tr>
<td>9</td>
<td></td>
<td>Laying of one number additional PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size direct in ground in the same trench in one tier horizontal formation including excavation, sand cushioning, protective covering and refilling the trench etc as required.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>7.2.1</td>
<td>up to 35 sq mm</td>
<td>Metre</td>
<td>217.85</td>
<td>600</td>
<td>130710.00</td>
</tr>
<tr>
<td>b)</td>
<td>7.2.3</td>
<td>Above 95sq.mm. up to 185 sq. mm</td>
<td>Metre</td>
<td>244.06</td>
<td>10</td>
<td>2440.60</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>7.5.1</td>
<td>up to 35 sq mm</td>
<td>Metre</td>
<td>26.21</td>
<td>110</td>
<td>2883.10</td>
</tr>
<tr>
<td>b)</td>
<td>7.5.4</td>
<td>Above 95sq.mm. up to 185 sq. mm</td>
<td>Metre</td>
<td>54.05</td>
<td>22</td>
<td>1189.10</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td><strong>Cable End termination</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>9.1.1</td>
<td>2X6 sq.mm</td>
<td>Set</td>
<td>240.79</td>
<td>4</td>
<td>963.16</td>
</tr>
<tr>
<td>b)</td>
<td>9.1.32</td>
<td>4X10 sq.mm</td>
<td>Set</td>
<td>316.13</td>
<td>40</td>
<td>12645.20</td>
</tr>
<tr>
<td>c)</td>
<td>9.1.33</td>
<td>4X16 sq.mm</td>
<td>Set</td>
<td>401.31</td>
<td>80</td>
<td>32104.80</td>
</tr>
<tr>
<td>d)</td>
<td>9.1.20</td>
<td>3.5X25 sq.mm</td>
<td>Set</td>
<td>404.59</td>
<td>10</td>
<td>4045.90</td>
</tr>
<tr>
<td>d)</td>
<td>9.1.26</td>
<td>3.5X150 sq.mm</td>
<td>Set</td>
<td>943.49</td>
<td>4</td>
<td>3773.96</td>
</tr>
<tr>
<td>Sl. No.</td>
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<td>Unit</td>
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<td>Amount (Rs.)</td>
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</tr>
<tr>
<td>12</td>
<td>Out door Pillar Box</td>
<td>Design, Supply, installation, testing, commissioning of 3 phase, 415 V, 50 Hz, 200 A Aluminium busbar, floor mounted free standing Feeder pillar box with 3.5 mm thick sheet steel enclosure with canopy and louvres and hinged type double door with locking arrangement, suitable for outdoor installation. It should be supplied with all accessories, base plates, cable glands, cable fixing arrangements. The height of pillar box shall be restricted to 1.5 meter. The pillar box shall have 1 no.FP 125 A MCCB as incomer and 8 nos. FP 63 A MCB as outgoings. The job shall include all civil works, and earthing. The lighting circuits shall be controlled through timer - contactor circuit for programmable dawn to dusk switching ON and OFF setting provision and bypass arrangement for manual operation. Surge supressor shall be included.</td>
<td>Nos.</td>
<td>174000</td>
<td>1</td>
<td>174000.00</td>
</tr>
<tr>
<td></td>
<td>MAIN PANEL</td>
<td>Design, Manufacture, Supply, Installation, Testing, commissioning of 320A, 415 V, 50 Hz, 50KA for 1 sec. switch board with TPN Aluminium busbar, suitable for top/bottom cable or following feeder combination complete with CT, metering and protection as per tender specification. The MCCBs shall be rated at 415 V, 50 Hz, 50 KA for 1 sec and as follows.</td>
<td>Nos.</td>
<td>324000</td>
<td>1</td>
<td>324000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Incomer 4P MCCB -160 A - 1 no.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Outgoing 4P MCCB -125 A - 1 nos.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Outgoing 4P MCCB - 63 A -4nos.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Outgoing 4P MCCB -63 A -4nos.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Outgoing DP MCCB -40 A -2nos.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spare 4P MCCB - 125 A - 1 no.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spare 4P MCCB - 63 A - 2 no.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Spare DP MCCB - 40 A - 1 no.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Change over switch</td>
<td>Supply, installation, testing and commissioning of 125A, 415V FP Off load Changeover Switch in sheet steel enclosure of makes HPL / Havells / Standard.</td>
<td>Set</td>
<td>11400</td>
<td>1</td>
<td>11400.00</td>
</tr>
<tr>
<td>Sl. No.</td>
<td>Reference DSR 2014</td>
<td>Description of items</td>
<td>Unit</td>
<td>Rate (Rs.)</td>
<td>Quantity</td>
<td>Amount (Rs.)</td>
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<td>--------</td>
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</tr>
<tr>
<td>14</td>
<td>DG set</td>
<td>Market rate Supply, Transportation, erection and commissioning including earthing etc. as required (Excluding Foundation) of 3 Phase, 415, 50Hz, Air cooled multi cylinder diesel generator set with alternator of 40KVA output</td>
<td>Set</td>
<td>900000</td>
<td>1</td>
<td>900000.00</td>
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**TOTAL SUBHEAD 8 =**  
3681079.57

**TOTAL OF SUB HEADS 1 TO 8 =**  
5708564.31