Notes:
1. Drawing not to scale.
2. All dimensions are in mm unless otherwise stated.
5. Concrete mix used grade M-20 (Nominal Mix 1:1.5:3).
6. Lean Concrete mix used grade M-15 (Nominal Mix 1:3:6).
7. Wherever necessary to clear stub and clear stirrups and bars are to be adjusted at site.
8. Clear cover to the main reinforcement bars shall be 50mm unless otherwise specified.
9. For clear and stub template details please refer respective stub details.

**Excavation Plan at X-X**

**Excavation Volume:** 66,835 Cu.M

Concrete (1:1.5:3) = 8,563 Cu.M
Concrete (1:5:8) = 8,849 Cu.M

Reinforcement = 499,068 Kgs.

**Type of Tower:** DA+0

**Tower Slope (Tan Alpha):** 0.09780541

**Quantities/Tower**

**Excavation Volume:** 66,835 Cu.M

Concrete (1:1.5:3) = 8,563 Cu.M
Concrete (1:5:8) = 8,849 Cu.M

Reinforcement = 499,068 Kgs.

**Bar Bending Schedule for Foundation**

<table>
<thead>
<tr>
<th>MARK No.</th>
<th>SHAPE of THE BAR</th>
<th>DIA (mm)</th>
<th>LENGTH (mm)</th>
<th>Nos. Leg</th>
<th>Unit Wt. (Kg/4m)</th>
<th>Wt/Leg (Kg)</th>
<th>Wt/Tower (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>1960</td>
<td>10</td>
<td>160</td>
<td>0.617</td>
<td>35.391</td>
<td>96.744</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>490</td>
<td>10</td>
<td>1230</td>
<td>0.617</td>
<td>5.108</td>
<td>18.212</td>
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<tr>
<td>C</td>
<td></td>
<td>1560</td>
<td>10</td>
<td>2160</td>
<td>0.617</td>
<td>22.578</td>
<td>84.568</td>
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<td>D</td>
<td></td>
<td>3000</td>
<td>20</td>
<td>3350</td>
<td>2.466</td>
<td>66.088</td>
<td>264.352</td>
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<tr>
<td>E</td>
<td></td>
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<td>1560</td>
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<td>5.912</td>
<td>23.646</td>
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</tbody>
</table>

**Total Reinforcement:** 499,068 Kgs.

**Type of Soil:** WET

**Unit Weight:** 1440/940 Kg/Cu.M

**Bearing Capacity:** 13675 Kg/Sq.M

**Angle of Repose:** 30/15 Degrees

**Water Table:** 1.5m to 3.0m below G.L

**Bihar State Power Transmission Company Ltd**

**Description:** 132KV D/C "DA+0" Tower Foundation Drawing of Type - Wet

**DRG No.:** 132KV-D/C-0-Fdn-Wet-12