**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/mt)</th>
<th>HW/Leg. (Kg)</th>
<th>WT/Tower (Kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td></td>
<td>1980</td>
<td>10</td>
<td>1980</td>
<td>36</td>
<td>0.617</td>
<td>46.423</td>
</tr>
<tr>
<td>B</td>
<td></td>
<td>800</td>
<td>10</td>
<td>1540</td>
<td>10</td>
<td>0.617</td>
<td>9.501</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>1580</td>
<td>10</td>
<td>2204</td>
<td>14</td>
<td>0.617</td>
<td>19.038</td>
</tr>
<tr>
<td>D</td>
<td></td>
<td>3000</td>
<td>25</td>
<td>3350</td>
<td>8</td>
<td>3.834</td>
<td>103.287</td>
</tr>
<tr>
<td>E</td>
<td></td>
<td>250</td>
<td>8</td>
<td>1150</td>
<td>13</td>
<td>0.390</td>
<td>5.83</td>
</tr>
<tr>
<td>F</td>
<td></td>
<td>800</td>
<td>8</td>
<td>890</td>
<td>13</td>
<td>0.390</td>
<td>4.513</td>
</tr>
</tbody>
</table>

**TOTAL REINFORCEMENT**

754,366 Kg.

**TYPE OF TOWER**: DB+3/6/9

**TOWER SLOPE TAN ALPHA = 0.142771**

**QUANTITIES/TOWER**

- **EXCAVATION VOLUME** = 67,973 Cu.M
- **CONCRETE** (1:1.5:3) = 6,252 Cu.M
- **CONCRETE** (1:5:8) = 0.865 Cu.M
- **REINFORCEMENT** = 754,366 Kgs.

**NOTES:**
1. DRAWING NOT TO SCALE
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
3. REINFORCED BAR USED FOR 415 CONFORMING TO IS 1786-1985
4. MIX PROPERTIES CONFORMING TO IS 456-2000
5. CONCRETE MIX USED GRADE M-20 (NORMAL MIX 1:1.5:3)
6. LEAN CONCRETE MIX USED GRADE M-10 (NORMAL MIX 1:5:8)
7. CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED
8. FOR CLEAR AND OTHER TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUD DRG.

**THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:**

- **TYPE OF SOIL**: DRY
- **UNIT WEIGHT**: 1440 Kg/Cu.M
- **BEARING CAPACITY**: 27,550 Kg/Sq.M
- **ANGLE OF REPOSE**: 30 Degrees
- **WATER TABLE**: 3.0M BELOW G.L

---

**BIHAR STATE POWER TRANSMISSION COMPANY LTD**

**DESCRIPTION**: 132KV D/C "DB+3/69" TOWER FOUNDATION DRAWING OF TYPE - DRY

**DRAWN BY**: 

**CHECKED BY**: 

**APPROVED BY**: 

**DRG NO**: 132KV-D/C+3/69-Fdn-Dry-21  SHEET NO 1-1  REV. 0