**Quantities / Tower**

- **Excavation**: 117.94 m³
- **Concrete (1:1.5:3)**: 11.16 m³
- **Concrete (1:3:6)**: 2.66 m³
- **Reinforcement**: 1296.85 kg

**Notes:**
1. All dimensions are in mm unless otherwise stated.
2. Reinforced bar used is 4A400 conforming to IS 1766-1963.
3. All properties concerning to IS 2062-2002.
4. Concrete mix used is 1:3:6 (Normal mix 1:2:4).
5. Stirrups and bars are to be anchored at size whenever necessary to clear stub and clear.
6. Clear cover to the main reinforcement bars shall be 30 mm unless otherwise specified.
7. All bars are MS bars.

**Tower Slope Tan Alpha = 0.20035**

**Excavation Plan Details**

<table>
<thead>
<tr>
<th>Level</th>
<th>Stud</th>
<th>CC of Stud</th>
<th>P</th>
<th>M</th>
<th>N</th>
<th>Clear Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>+2m</td>
<td>HT  L 110×10</td>
<td>100</td>
<td>1023</td>
<td>1128</td>
<td>1293</td>
<td>1500</td>
</tr>
<tr>
<td>+3m</td>
<td>HT  L 110×10</td>
<td>100</td>
<td>1023</td>
<td>1128</td>
<td>1293</td>
<td>1500</td>
</tr>
</tbody>
</table>

The foundation has been designed for the following parameters:
- **Type of Soil**: MF
- **Unit Weight**: 1440 / 1400 kN/m³
- **Draing Capacity**: 8000 kg/m³
- **Angle of Repose**: 30° / 10° Degree
- **Water Table**: 1.5 to 3 m from CL

**Bihar State Power Transmission Company Ltd.**

<table>
<thead>
<tr>
<th>DRN No</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>220KV D/C +03/03 0.7m WFR.37</td>
<td>220KV D/C &quot;DC-056&quot; TOWER FOUNDATION STRUCTURE OF TYPE WFR</td>
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