NOTES:
1. DRAWING NOT TO SCALE.
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
3. REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786-1985.
4. MIX PROPERTIES CONFORMING TO IS 456-2000.
5. CONCRETE MIX USED GRADE M-20 (NOMINAL MIX 1:1.5:3).
6. LEAN CONCRETE MIX USED GRADE M-10 (NOMINAL MIX 1:2:6).
7. WHENEVER NECESSARY TO CLEAR STUB AND CLEAT,
   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 CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER
   RESPECTIVE STUB DLG.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

- **TYPE OF SOIL:** WBC
- **UNIT WEIGHT:** 1440/940 Kg/Cu.M
- **BEARING CAPACITY:** 1367 Kg/Sq.M
- **ANGLE OF REPOSE:** 0/0 Degrees
- **WATER TABLE:** 0M TO 3M FROM G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

**DESCRIPTION:** 220KV D/C "DA+4/0/3/6" TOWER
**FOUNDATION DRAWING OF TYPE - WBC**

**DRG NO:** 220KV-D/C+4/0/3/6-Fdn-WBC-15
**SHEET NO:** 1-1
**REV:** 0

**BAR BENDING SCHEDULE FOR FOUNDATION**

<table>
<thead>
<tr>
<th>MARK</th>
<th>SHAPE OF THE BAR</th>
<th>DIA (mm)</th>
<th>LENGTH (m)</th>
<th>Nos.</th>
<th>Unit Wt. (kg/m)</th>
<th>Wt./Leg. (Kg)</th>
<th>Wt./Tower (Kg)</th>
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<td>A</td>
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<td>3710</td>
<td>10</td>
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<td>46</td>
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<td>5.77</td>
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**TOTAL REINFORCEMENT:** 1089.31 Kg.

**QUANTITIES/TOWER**

- **EXCAVATION VOLUME:** 202.71 Cu.M
- **CONCRETE (1:1.5:3):** 19.3 Cu.M
- **CONCRETE (1:2:6):** 2.9 Cu.M
- **REINFORCEMENT:** 1089.309 Kgs.

**TOWER SLOPE TAN ALPHA = 0.0978**

**EXCAVATION PLAN DETAILS**

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>STUB</th>
<th>CG OF STUB</th>
<th>P</th>
<th>M</th>
<th>N</th>
<th>CLEAT DETAILS</th>
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WE SUGGEST NO. OF PAR'S 2 & BOLTS/PAR