SECTION X1—X1

EXCAVATION PLAN AT X-X

M (CG TO CG AT LEVEL X-X)

EXCAVATION VOLUME = 135.72 Cu.M
CONCRETE (1:1:5:3) = 13.15 Cu.M
CONCRETE (1:5:6) = 1.92 Cu.M
REINFORCEMENT = 852.193 Kgs.

QUANTITIES/TOWER

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 (V-20) (NOMINAL MIX 1:1.5:3:6)
LEADING MIXTURE CONFORMING (V-10) (NOMINAL MIX 1:3:6)
6. WHICHEREVER NECESSARY TO CLEAR STUB AND CLEAT
STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE
7. CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE
50MM UNLESS OTHERWISE SPECIFIED
8. FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER
RESPECTIVE STUB DRG.

BAR BENDING SCHEDULE FOR FOUNDATION

<table>
<thead>
<tr>
<th>MARK</th>
<th>SHAPE OF THE BAR</th>
<th>DIA (mm)</th>
<th>LENGTH (mm)</th>
<th>Bars</th>
<th>Unit Wt (kg/m)</th>
<th>Wt/Leg. (Kg)</th>
<th>Wt./Tower (Kg)</th>
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</tbody>
</table>

TOTAL REINFORCEMENT = 852.193

TOWER SLOPE TAN ALPHA = 0.0978

EXCAVATION PLAN DETAILS

LEVEL | SUB | CG OF SUB | P  | M  | N  | CLEAT DETAILS |
------|-----|-----------|----|----|----|---------------|
+0M   | HT100*100*8 | 27.6 | 5490 | 5939 | 5939 |
+3M   | HT100*100*8 | 27.6 | 6053 | 6502 | 9195 |
+6M   | HT100*100*8 | 27.6 | 6598 | 7047 | 9966 |

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : FS
UNIT WEIGHT : 1440/940 Kg/Cu.M
BEARING CAPACITY : 13675 Kg/Sq.M
ANGLE OF REPOSE : 30/15 Degrees
WATER TABLE : 0M TO 0.75M FROM G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DESCRIPTION | 220KV D/C "DA-4/0/3/6" TOWER FOUNDATION DRAWING OF TYPE - FS
DRG NO | 220KV-D/C-0/3/6-Fdn-FS-14
SCALE | -
SHEET NO 1-1 REV. 0

DRAWN BY
CHECKED BY
APPROVED BY