



| BAR BENDING SCHEDULE FOR FOUNDATION | | | | | | | |
|-------------------------------------|------------------|----------|-------------|----------|-----------------|---------------|----------------|
| MARK No. | SHAPE OF THE BAR | DIA (mm) | LENGHT (mm) | Nos. Leg | Unit Wt. (Kg/m) | Wt./Leg. (Kg) | Wt./Tower (Kg) |
| A | | 10 | 3230 | 38 | 0.617 | 75.73 | 302.92 |
| B | | 10 | 1450 | 6 | 0.617 | 5.367 | 21.468 |
| C | | 10 | 3454 | 22 | 0.617 | 46.884 | 187.536 |
| D | | 20 | 3350 | 8 | 2.466 | 66.088 | 264.352 |
| E | | 8 | 1550 | 13 | 0.390 | 7.86 | 31.434 |
| F | | 8 | 1166 | 13 | 0.390 | 5.912 | 23.646 |
| TOTAL REINFORCEMENT | | | | | | | 831.356 |

TYPE OF TOWER : DA+3/6/9

| TOWER SLOPE TAN ALPHA = 0.09760541 | | | | | | |
|------------------------------------|------------|------------|------|------|------|--|
| LEVEL | STUB | CG OF STUB | P | M | N | CLEAT DETAILS |
| +3M | HT 90*90*6 | 24.2 | 5134 | 5627 | 7958 | MS 80*80*6 NO. OF PAIRS 2 3 BOLTS/PAIR |
| +6M | HT 90*90*6 | 24.2 | 5720 | 6213 | 8787 | |
| +9M | HT 90*90*6 | 24.2 | 6305 | 6798 | 9614 | |

| QUANTITIES/TOWER |
|------------------------------------|
| EXCAVATION VOLUME = 158.123 Cu.M |
| CONCRETE (1:1.5:3) = 14.794 Cu.M |
| CONCRETE (1:3:6) = 2.218 Cu.M |
| REINFORCEMENT = 831.356 Kgs. |

NOTES:-

- DRAWING NOT TO SCALE.
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
- REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786-1985
- MIX PROPERTIES CONFORMING TO IS 456-2000
- CONCRETE MIX USED GRADE M-20 (NOMINAL MIX 1:1.5:3)
LEAN CONCRETE MIX USED GRADE M-10 (NOMINAL MIX 1:3:6)
- WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
- CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
- FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUB DRG.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:
 TYPE OF SOIL : WBC
 UNIT WEIGHT : 940 Kg/Cu.M
 BEARING CAPACITY : 13675 Kg/Sq.M
 ANGLE OF REPOSE : 0 Degrees
 WATER TABLE : AT G.L

| | | | |
|---|-------------|--|--------------|
| BIHAR STATE POWER TRANSMISSION COMPANY LTD | | | |
| DRAWN BY | DESCRIPTION | 132KV D/C "DA+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - WBC | |
| CHECKED BY | DRG NO | 132KV-D/C-+3/6/9-Fdn-WBC-15 | SHEET NO 1-1 |
| APPROVED BY | SCALE | - | REV. 0 |