

| 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                                   | 3340               | 10       | 3340        | 70       | 0.617           | 144.254       | 577.016        |  |
| B                                   | 1400<br>270<br>100 | 10       | 2140        | 20       | 0.617           | 26.407        | 105.628        |  |
| C                                   | 2940<br>210<br>100 | 10       | 3564        | 24       | 0.617           | 52.775        | 211.1          |  |
| D                                   | 3000<br>350        | 25       | 3350        | 8        | 3.854           | 103.287       | 413.148        |  |
| E                                   | 360<br>360         | 8        | 1590        | 13       | 0.390           | 8.061         | 32.25          |  |
| F                                   | 269<br>262         | 8        | 1198        | 13       | 0.390           | 6.074         | 24.215         |  |
| <b>TOTAL REINFORCEMENT</b>          |                    |          |             |          |                 |               | <b>1363.44</b> |  |

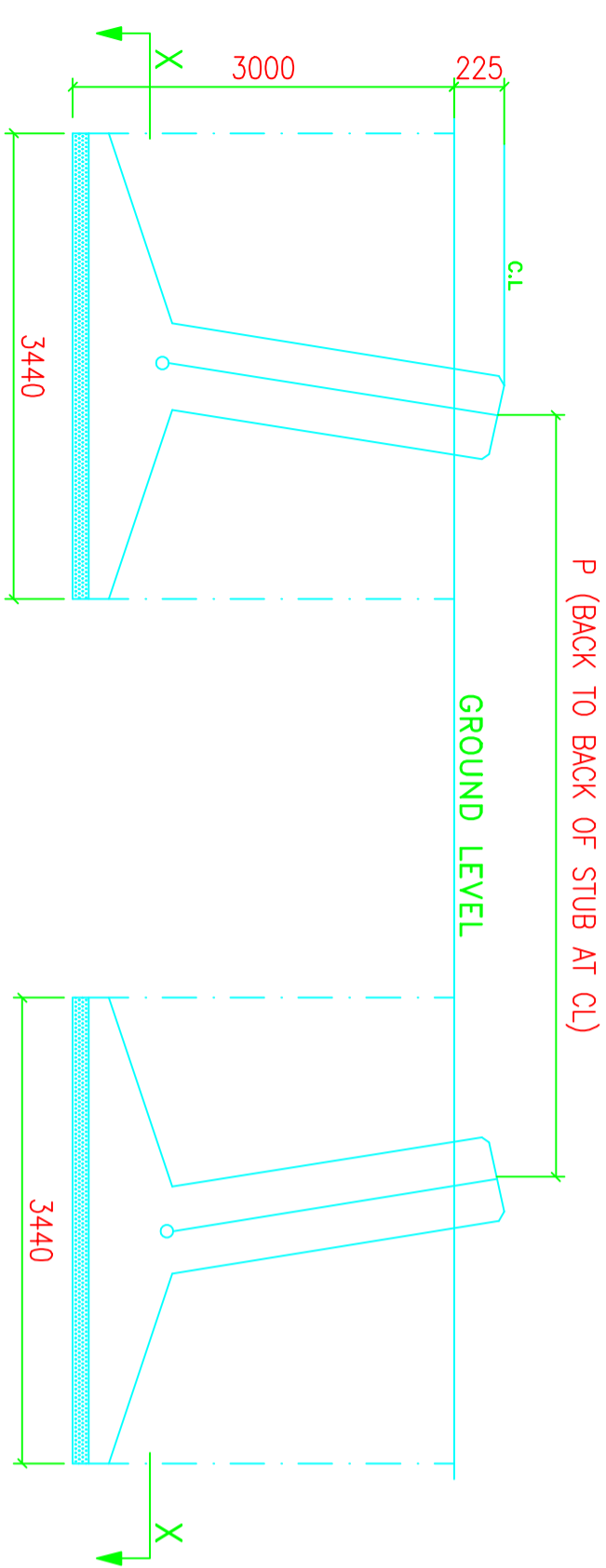
| QUANTITIES/TOWER      |              |
|-----------------------|--------------|
| EXCAVATION VOLUME =   | 113.47 Cu.M  |
| CONCRETE ( 1:1.5:3) = | 16.391 Cu.M  |
| CONCRETE ( 1:3:6) =   | 2.367 Cu.M   |
| REINFORCEMENT =       | 1363.44 Kgs. |

| TOWER SLOPE TAN ALPHA = 0.152107 |              |            |      |      |       |  |
|----------------------------------|--------------|------------|------|------|-------|--|
| LEVEL                            | STUB         | CG OF STUB | P    | M    | N     | CLEAT DETAILS                                |
| +0M                              | HT110*110*10 | 30.9       | 6613 | 7333 | 10370 | MS 90*90*6<br>NO. OF PAIRS 2<br>4 BOLTS/PAIR |

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : WFR  
 UNIT WEIGHT : 1440/940 Kg/Cu.M  
 BEARING CAPACITY : 62500 Kg/Sq.M  
 ANGLE OF REPOSE : 20/10 Degrees  
 WATER TABLE : 1.5M TO 3.0M BELOW G.L

- 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.



| DRG NO                 | DESCRIPTION   | SCALE |
|------------------------|---|-------|
| 132KV-D/C-0-Fdn-WFR-37 | 132KV D/C "DC+0" TOWER FOUNDATION DRAWING OF TYPE - WFR | -     |

BIHAR STATE POWER TRANSMISSION COMPANY LTD

132KV D/C "DC+0" TOWER FOUNDATION DRAWING OF TYPE - WFR

APPROVED BY

CHECKED BY

DRAWN BY

SHEET NO 1-1

REV. 0