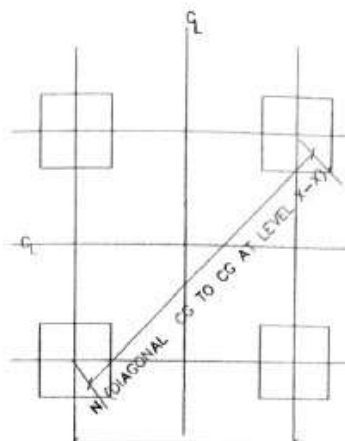
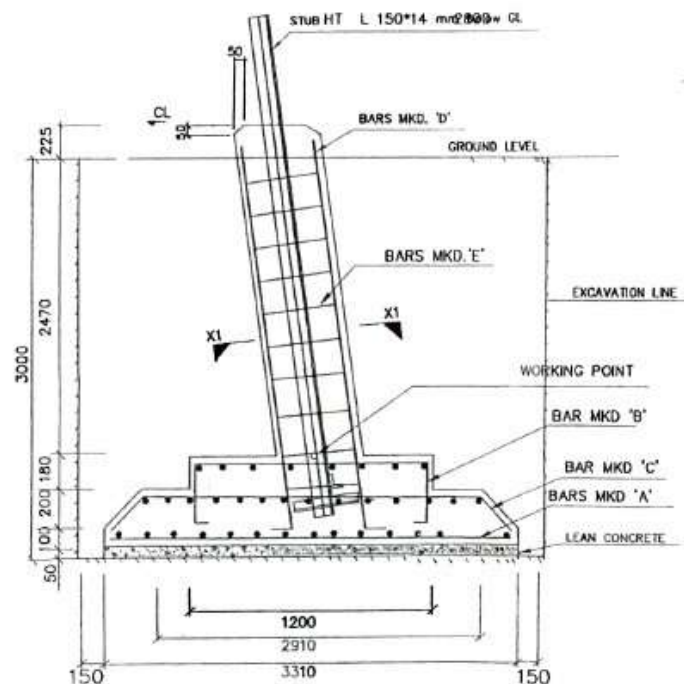


## SECTION X1 - X1



M (CG TO CG AT LEVEL X-X)

EXCAVATION PLAN AT X-X

BAR BENDING SCHEDULE FOR FOUNDATION

| BAR TYPE | SKETCH | BAR DIA.<br>(mm) | LENGTH<br>(mm)          | NOS /<br>LEG | UNIT WEIGHT<br>(KG/m) | WEIGHT<br>PER LEG<br>(KG)          | WEIGHT<br>PER TOWER<br>(KG)         |
|----------|--------|------------------|-------------------------|--------------|-----------------------|------------------------------------|-------------------------------------|
| A        |        | 10               | 3210                    | 44           | 0.617                 | 87.14                              | 348.58                              |
| B        |        | 10               | 2020                    | 18           | 0.617                 | 22.43                              | 89.74                               |
| C        |        | 10               | 3434                    | 30           | 0.617                 | 63.56                              | 254.25                              |
| D        |        | 20<br>25         | <del>3810</del><br>3810 | 6<br>4       | 2.466<br>3.853        | <del>14.80</del><br>37.58<br>58.72 | <del>15.2</del><br>150.31<br>234.88 |
| E        |        | 8                | 1750                    | 11           | 0.395                 | 7.60                               | 30.42                               |
| F        |        | 8                | 1282                    | 11           | 0.395                 | 5.57                               | 22.28                               |

TOTAL REINFORCEMENT(Kg)

282.62

1130.47

TOWER SLOPE TAN ALPHA = 0.26705

| EXCAVATION PLAN DETAILS |             |            |       |       |       |
|-------------------------|-------------|------------|-------|-------|-------|
| LEVEL                   | STUB        | CG OF STUB | P     | M     | N     |
| 0                       | HT L 130*10 | 35.8       | 13071 | 14439 | 20428 |
| 3                       | HT L 130*10 | 35.8       | 14674 | 16042 | 22689 |
| 6                       | HT L 130*10 | 35.8       | 16276 | 17644 | 24951 |
| 9                       | HT L 130*10 | 35.8       | 17878 | 19246 | 27213 |

## QUANTITIES / TOWER

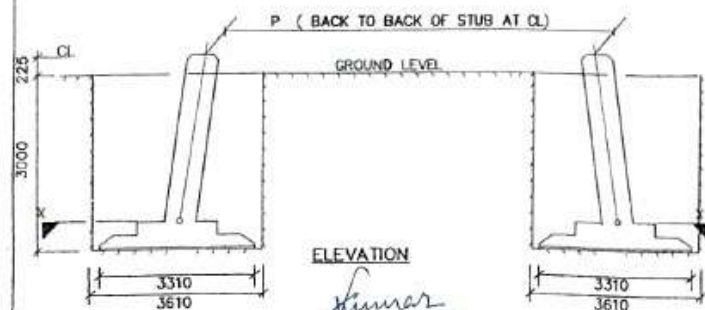
|                     |   |         |     |
|---------------------|---|---------|-----|
| EXCAVATION          | = | 156.39  | m3  |
| CONCRETE(1: 1.5: 3) | = | 15.86   | m3  |
| CONCRETE(1: 3: 6)   | = | 2.19    | m3  |
| REINFORCEMENT       | = | 1130.47 | kgs |

NOTES:

1. DRAWING NOT TO SCALE *to measurement*
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
3. REINFORCED BAR USED Fe 500 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),  
LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6)
6. WHENEVER 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 50 MM UNLESS OTHERWISE SPECIFIED
8. FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER  
STUB DRG.
9. STUB SETTING/PROP SETTING TEMPLATE HAS TO BE USED IN  
EACH LOCATION OF TOWER.
10. AT SITE PROPER COMPACTION OF BACK FILLED EARTH MUST BE DO

## SOIL PARAMETERS:

|                   |                    |
|-------------------|--------------------|
| TYPE OF SOIL :    | WET                |
| UNIT WEIGHT:      | 1440 / 940 Kg/Cu.M |
| BEARING CAPACITY: | 12500 kg/m2        |
| ANGLE OF REPOSE : | 30 / 15 Degrees    |
| WATER TABLE :     | 1.5 TO 3 M FROM GL |



ELEVATION

Sumar  
06.06.22  
(Vinay K. S. B.)  
AE (C), B.S.P.T.C.L

56.56.22  
KUMAR ANAND  
#E (CIVIL)  
BSP TGL

BIHAR STATE POWER TRANSMISSION COMPANY LTD. (BSPTCL)

TITLE : 220 KV D/C TWIN MOOSE "DB" MKD 2 "TB" (0<sup>0</sup>- 2<sup>0</sup>)  
FOUNDATION DRAWING OF TT DB (NT+0/+3/+6/+9 EQUAL LEG &  
SOIL TYPE WET

DWG. NO.

CD DB(NT+0/+3/+6/+9) wetOIL 22(ii)(b)

SCALE :- NTS

SHEET - 01 OF 1