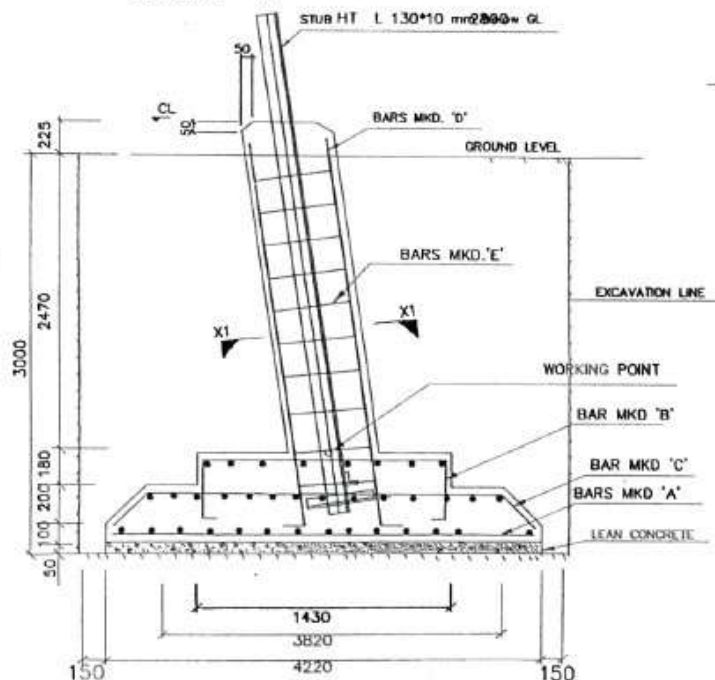
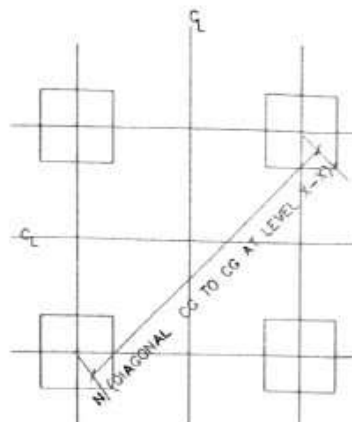


SECTION X1 - X1



ELEVATION

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



M (CG TO CG AT LEVEL X-X)  
EXCAVATION PLAN AT X-X

| QUANTITIES / TOWER |         |                |
|--------------------|---------|----------------|
| EXCAVATION         | 245.16  | m <sup>3</sup> |
| CONCRETE (1:1.5:3) | 24.23   | m <sup>3</sup> |
| CONCRETE (1:3:6)   | 3.56    | m <sup>3</sup> |
| REINFORCEMENT      | 1557.22 | kgs            |

NOTES:

- DRAWING NOT TO SCALE
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
- REINFORCED BAR USED Fe 500 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 GRADE M10 (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 50 MM UNLESS OTHERWISE SPECIFIED
- FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER STUB DRG.
- STUB SETTING/PROP SETTING TEMPLATE HAS TO BE USED IN EACH LOCATION OF TOWER.
- AT SITE PROPER COMPACTION OF BACK FILLED EARTH MUST BE DONE

SOIL PARAMETERS:

|                    |                         |
|--------------------|-------------------------|
| TYPE OF SOIL :     | FS                      |
| UNIT WEIGHT :      | 1440 / 940 Kg/Cu.M      |
| BEARING CAPACITY : | 12500 kg/m <sup>2</sup> |
| ANGLE OF REPOSE :  | 30 / 15 Degrees         |
| WATER TABLE :      | 0 TO 0.75 M FROM GL     |

BAR BENDING SCHEDULE FOR FOUNDATION

| BAR TYPE | SKETCH | BAR DIA. (mm) | LENGTH (mm) | NOS. / LG | UNIT WEIGHT (KG/M) | WEIGHT PER LEG (KG) | WEIGHT PER TOWER (KG) |
|----------|--------|---------------|-------------|-----------|--------------------|---------------------|-----------------------|
| A        | 4120   | 10            | 4120        | 58        | 0.617              | 147.44              | 589.75                |
| B        | 1330   | 10            | 2250        | 22        | 0.617              | 30.54               | 122.17                |
| C        | 3720   | 10            | 4344        | 38        | 0.617              | 101.85              | 407.40                |
| D        | 3000   | 20            | 3210        | 8         | 2.466              | 37.58               | 150.33                |
| E        | 400    | 25            | 3810        | 4         | 3.853              | 58.72               | 234.88                |
| F        | 400    | 8             | 1750        | 11        | 0.395              | 7.60                | 30.42                 |
|          |        | 8             | 1282        | 11        | 0.395              | 5.57                | 22.28                 |

TOTAL REINFORCEMENT (Kg)

389.31

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 | 144.39 | 20420 |
| 3                       | HT L 130*10 | 35.8       | 14674 | 16042  | 22686 |
| 6                       | HT L 130*10 | 35.8       | 15276 | 17644  | 24952 |
| 9                       | HT L 130*10 | 35.8       | 17878 | 19246  | 27218 |

BIHAR STATE POWER TRANSMISSION COMPANY LTD. (BSPTCL)

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

|              |                                        |
|--------------|----------------------------------------|
| DWG. NO.     | CD_DB(NT+0/+3/+6/+9)_ FSSOIL_22(ii)(b) |
| SCALE :- NTS | SHEET - 01 OF 1                        |

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