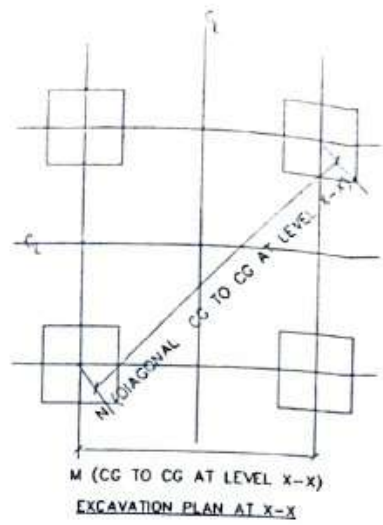
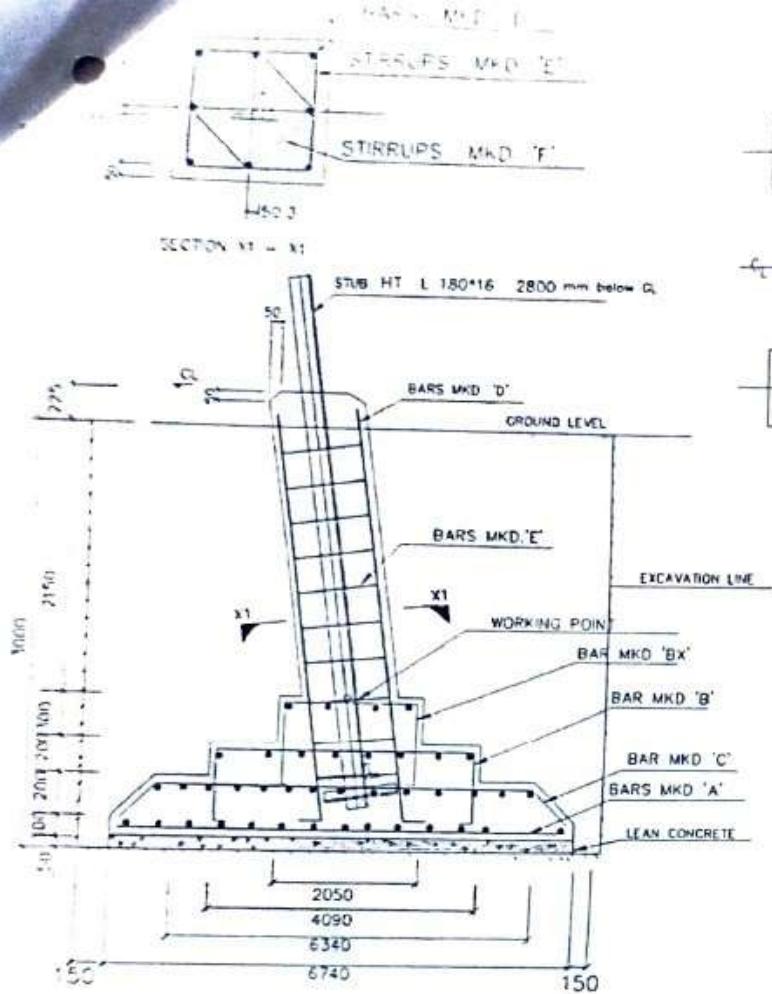




000017

BAR TYPE	SECTION	NO. OF BARS	LENGTH (mm)	WEIGHT (kg)	WEIGHT PER METER (kg/m)	WEIGHT PER TOWER (kg)
A	5640	16	5640	54	1.573	25.17
BY	494 1950	12	1950	36	0.858	10.32
B	368 3990	12	3990	40	0.883	10.60
C	2200 6240	12	6240	44	0.888	10.66
D	350 3000	20	3000	4	2.466	29.59
E	500	8	2150	11	0.395	4.74
F	350	8	1566	11	0.395	4.74
TOTAL REINFORCEMENT (kg)						1210.10

The given drawing stands approved for structural details only and the quantities indicated in the drawing are tentative one & not a final one.

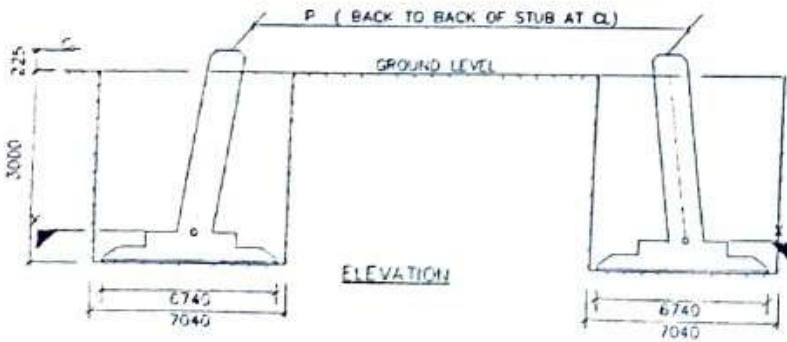
TAN ALPHA = 0.27259

QUANTITIES / TOWER		
EXCAVATION	=	594.74 m ³
CONCRETE (1:1.5:3)	=	74.24 m ³
CONCRETE (1:3:6)	=	9.09 m ³
REINFORCEMENT	=	4840.79 kgs

EXCAVATION PLAN DETAILS					
LEVEL	STUB	CG OF STUB	P	M	N
18	HT L 180*16	50.3	27469	23664	40536
25	HT L 180*16	50.3	31286	32481	45935

- 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 ²
ANGLE OF REPOSE :	30 / 15 Degrees
WATER TABLE :	0 TO 0.75 M FROM GL



[Signature]
Kumar Chaitanya
SE (C), BSPTCL

[Signature]
ANAND KUMAR
BSPTCL

[Signature]
28/09/22
A.E. (C), B.S.P.T.C.L.

Date: 12/09/2022

☒ अनुमोदित/APPROVED

☐ सुधार के साथ अनुमोदित
Approved With Correction

Checked by: *[Signature]*
Approved by: *[Signature]*

अभियंता एवं परामर्श एंजिनियरिंग
Design & Consultancy Cell
एन.एल.डी. टावर टेस्टिंग स्टेशन
वा. 1.1.6 अजीम-नयरी एलाय
मैकानिकल इंजीनियरिंग विभाग
1-1114/1 अ (सिआर) राखत
एन.एल.डी. रिसर्च इंस्टीट्यूट
21-11/7, बंगलुरु-560 080

BIHAR STATE POWER TRANSMISSION COMPANY LTD.
(BSPTCL)

TITLE : FOUNDATION DRAWING OF TT 4DD (NT+18/+25) EXTENSION & SOIL TYPE- FS

DWG. NO. : CD_DD(NT+18/+25)_FSSOIL 22(iii)(d)