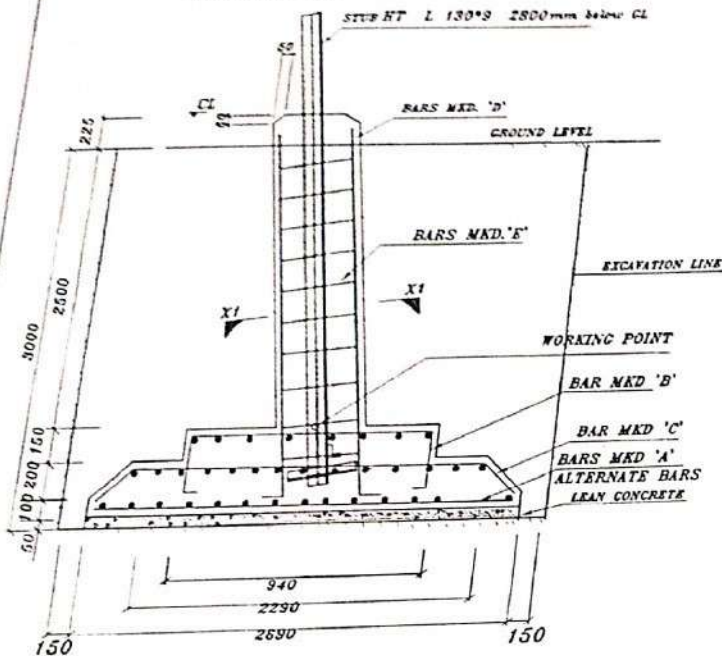
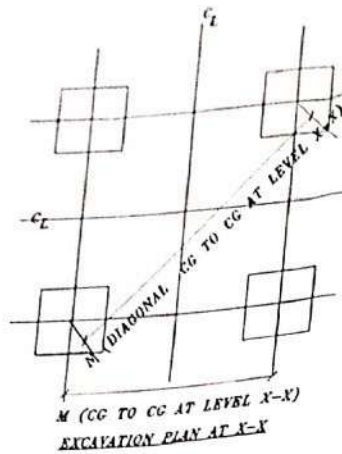


SECTION X1 - X1



ELEVATION



QUANTITIES / TOWER		
EXCAVATION	=	107.28 m ³
CONCRETE (1:1.5:3)	=	10.80 m ³
CONCRETE (1:3:6)	=	1.45 m ³
REINFORCEMENT	=	754.93 kg

NOTES:

1. DRAWING NOT TO SCALE
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 DONE.

SOIL PARAMETERS:	
TYPE OF SOIL :	WET
UNIT WEIGHT:	1440 / 940 Kg/Cu.M
BEARING CAPACITY:	12500 kg/m ²
ANGLE OF REPOSE :	30 / 15 Degrees
WATER TABLE :	1.5 TO 3 M FROM CL

BAR BENDING SCHEDULE FOR FOUNDATION							
BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NOS. / LEG	UNIT WEIGHT (KG/m)	WEIGHT PER LEG (KG)	WEIGHT PER TOWER (KG)
A	2590	10	2590	32	0.617	51.14	204.55
B	330 840	10	1700	14	0.617	14.59	58.74
C	330 2190	10	2814	26	0.617	45.14	180.57
D	330 3000	20	3350	8	2.466	66.09	264.36
E	350 350	8	1550	11	0.395	6.74	26.94
F	241	8	1138	11	0.395	4.95	19.78
TOTAL REINFORCEMENT (Kg)						188.73	754.93

TOWER SLOPE TAN ALPHA = 0.18949

EXCAVATION PLAN DETAILS					
LEVEL	STUB	CG OF STUB	P	M	N
0	HT L 130*9	35.4	13235	14196	20078

DEEPAK KUMAR
SE (CIVIL)

Date: 22/02/2022

☒ अनुमोदित/APPROVED

☐ सुधार के साथ अनुमोदित
Approved With Correction

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

अभियंता एवं परामर्श पकोष्ठ
Design & Consultancy Cell
एन एन टी / Tower Testing Station
राष्ट्रीय इंजीनियरी प्रभाग
Mechanical Engineering Division
केन्द्रीय विद्युत अनुसंधान संस्थान
Central Power Research Institute
कोलकाता / Bengaluru-560 080

BIHAR STATE POWER TRANSMISSION COMPANY LTD.
(BSPTCL)

TITLE :- 400 KV C/C TWIN MOOSE "DA" MKD "4D
(0°-20°) TOWER
FOUNDATION DRAWING OF TT DA (NT+0) EQUAL LEG
& SOIL TYPE - WET

DWG. NO. CD DA(NT+0)_WETSOIL 22(iii)(a)

SCALE : NTS SHEET - 01 OF 01

Kumar
28-02-22
(Vinay Kumar)
AE (C) BSPTCL

ANAND KUMAR
SE (CIVIL)
BSPTCL