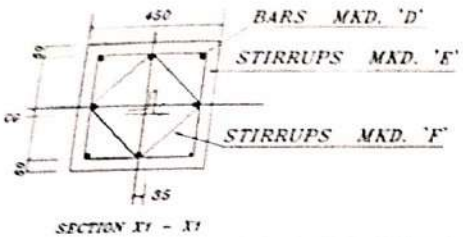
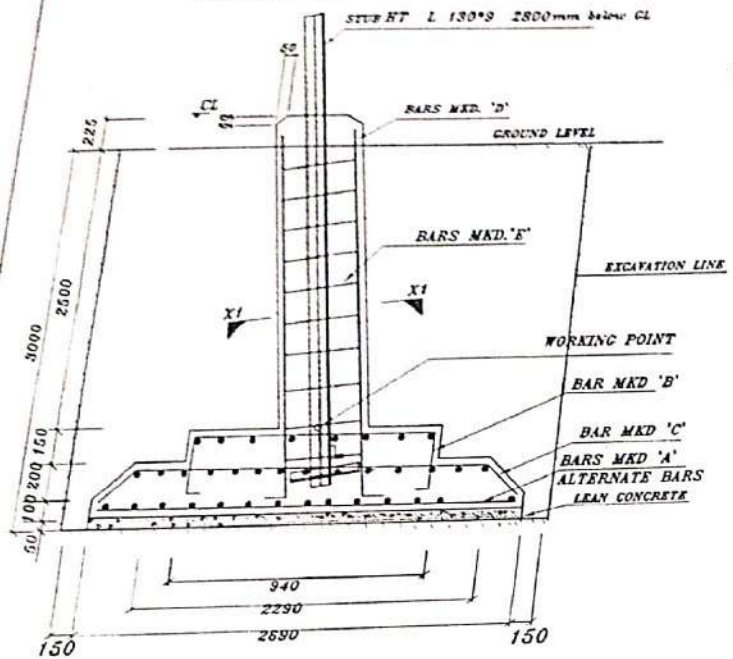
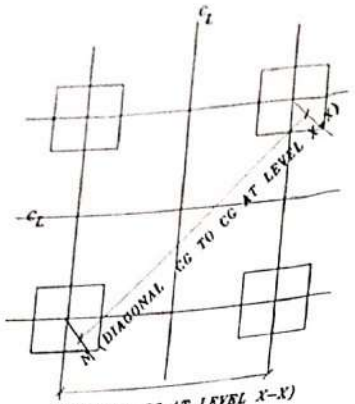


SECTION X1 - X1





M (CG TO CG AT LEVEL X-X)

EXCAVATION PLAN AT X-X

BAR BENDING SCHEDULE FOR FOUNDATION 00000/1

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, 100	10	1700	14	0.617	14.59	58.74
C	212, 2190, 100	10	2814	26	0.617	45.14	180.57
D	350, 3000	20	3350	8	2.466	66.09	264.36
E	350, 350	8	1550	11	0.395	6.74	26.94
F	247	8	1138	11	0.395	4.95	19.78
TOTAL REINFORCEMENT(Kg)						188.73	754.93

QUANTITIES / TOWER

EXCAVATION =	107.28	m3
CONCRETE(1:1.5:3)=	10.60	m3
CONCRETE(1:3:6) =	1.45	m3
REINFORCEMENT =	754.93	kgs

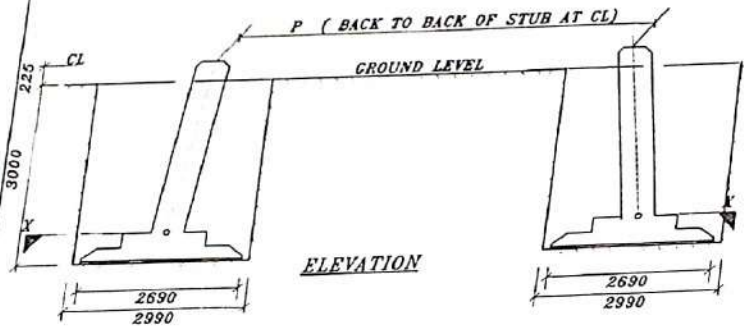
NOTES:

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.

TOWER SLOPE TAN ALPHA = 0.18949

EXCAVATION PLAN DETAILS

LEVEL	STUB	CC OF STUB	P	M	N
0	HT L 130*9	35.4	13235	14196	20076



ELEVATION

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

Kumar 28.02.22 (Vinay Kumar) AE (C) BSPTCL

ANJANI KUMAR CE (CIVIL) BSPTCL

DEEPAK KUMAR SE (CIVIL) 28/02/2022

Date: 22/02/2022

☑ अनुमोदित/APPROVED

☐ सुधार के साथ अनुमोदित Approved With Correction

जाँच की गई Checked by

द्वारा अनुमोदित Approved by

अभिकल्प एवं परामर्श प्रकोष्ठ
Design & Consultancy Cell
टावर परीक्षण केंद्र/Tower Testing Station
यांत्रिक इंजीनियरी प्रभाग
Mechanical Engineering Division
केन्द्रीय विद्युत अनुसंधान संस्थान
Central Power Research Institute
बेंगलूरु / Bengaluru-560 080

BIHAR STATE POWER TRANSMISSION COMPANY LTD. (BSPTCL)

TITLE :- 400 KV C/C TWIN MOOSE "DA" MKD "4D (0°-2°)" TOWER
FOUNDATION DRAWING OF TT DA (NT+0) EQUAL LEG & SOIL TYPE - WET

DWG. NO. CD_DA(NT+3/+6/+9)_WET SOIL _22(iii)(a)

SCALE : NTS SHEET - 01 OF 01