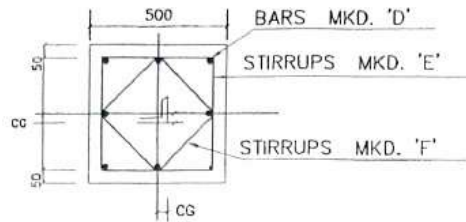
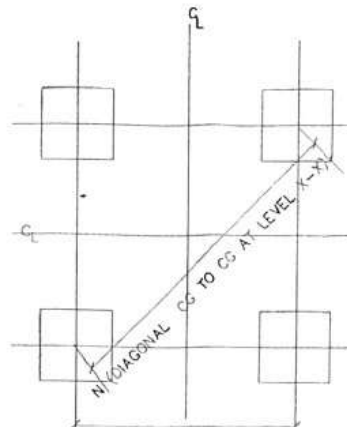
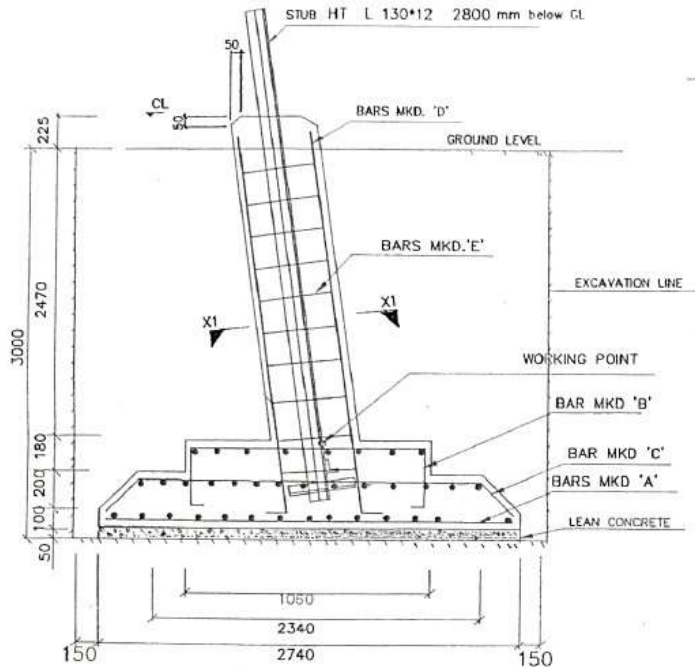


000019



SECTION X1 - X1



EXCAVATION PLAN AT X-X

QUANTITIES / TOWER

EXCAVATION	=	110.90	m ³
CONCRETE(1:1.5:3)	=	11.68	m ³
CONCRETE(1:3:6)	=	1.50	m ³
REINFORCEMENT	=	1216.036	kgs

NOTES:

- DRAWING NOT TO SCALE
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
- REINFORCED BAR USED F₅₀₀ 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 :	DRY
UNIT WEIGHT :	1440 Kg/Cu.M
BEARING CAPACITY :	25000 kg/m ²
ANGLE OF REPOSE :	30 Degrees
WATER TABLE :	3 M FROM GL

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	2640	10	2640	68	0.617	110.764	443.056
B	960	10	1880	16	0.617	18.559	74.236
C	2240	10	2864	54	0.617	95.423	381.692
D	3350	20	3350	8	2.466	66.088	264.354
E	1750	8	1750	11	0.395	7.604	30.416
F	1282	8	1282	11	0.395	5.57	22.28

TOTAL REINFORCEMENT(Kg)

304.01 1216.036

The given drawing stands approved for structural details only and the quantities indicated in the drawing is a tentative use & not a part of this approval

TOWER SLOPE TAN ALPHA = 0.29545

EXCAVATION PLAN DETAILS

LEVEL	STUB	CG OF STUB	P	M	N
0	HT L 130*12	36.6	14273	15790	22331
3	HT L 130*12	36.6	16044	17561	24835
6	HT L 130*12	36.6	17814	19331	27339
9	HT L 130*12	36.6	19585	21102	29842

BIHAR STATE POWER TRANSMISSION COMPANY LTD. (BSPTCL)

TITLE : 220Kv D/c TIN MOOSE 3040 "DC MKD "2TDC"
FOUNDATION DRAWING OF TT DC (NT+0/+3/+6/+9)
EQUAL LEG & SOIL TYPE - DRY

DWG. NO. CD_DC(NT+0/+3/+6/+9)_DRYSOIL_22(ii)(c)

SCALE :

SHEET : 01 OF 01

Drawing is approved
subject to overall
responsibility of the contra
in terms of contract agree
or turn key for the work

ANJANI V
CE (C)
BSPTCL

19.7
KUMAR ANAND
EE (CIVIL)
BSPTCL

Kumar Chaitanya
SE (C), BSPTCL

19.07.22
(Vinay Kumar)
AE (C), BSPTCL