

EXCAVATION PLAN AT X-X

BAR BENDING SCHEDULE FOR FOUNDATION									
MARK No.	SHAPE OF THE BAR	DIA (mm)	LENGHT (mm)	Nos. Leg	Unit Wt. (kg/m)	Wt./Leg. (kg)	Wt./Tower (kg)		
A		12	4600	60	0.888	245.088	980.352		
B		12	2574	18	0.888	41.143	164.572		
C		12	4865	36	0.888	155.524	622.096		
D		16	3350	4	1.578	21.145	84.58		
		32	3350	4	6.313	84.594	338.376		
E		8	2350	13	0.395	12.067	34.956		
F		8	1702	13	0.395	8.739	34.956		
TOTAL REINFORCEMENT							2273.2		

TYPE OF TOWER : DD+18/25

TOWER SLOPE TAN ALPHA = 0.183465

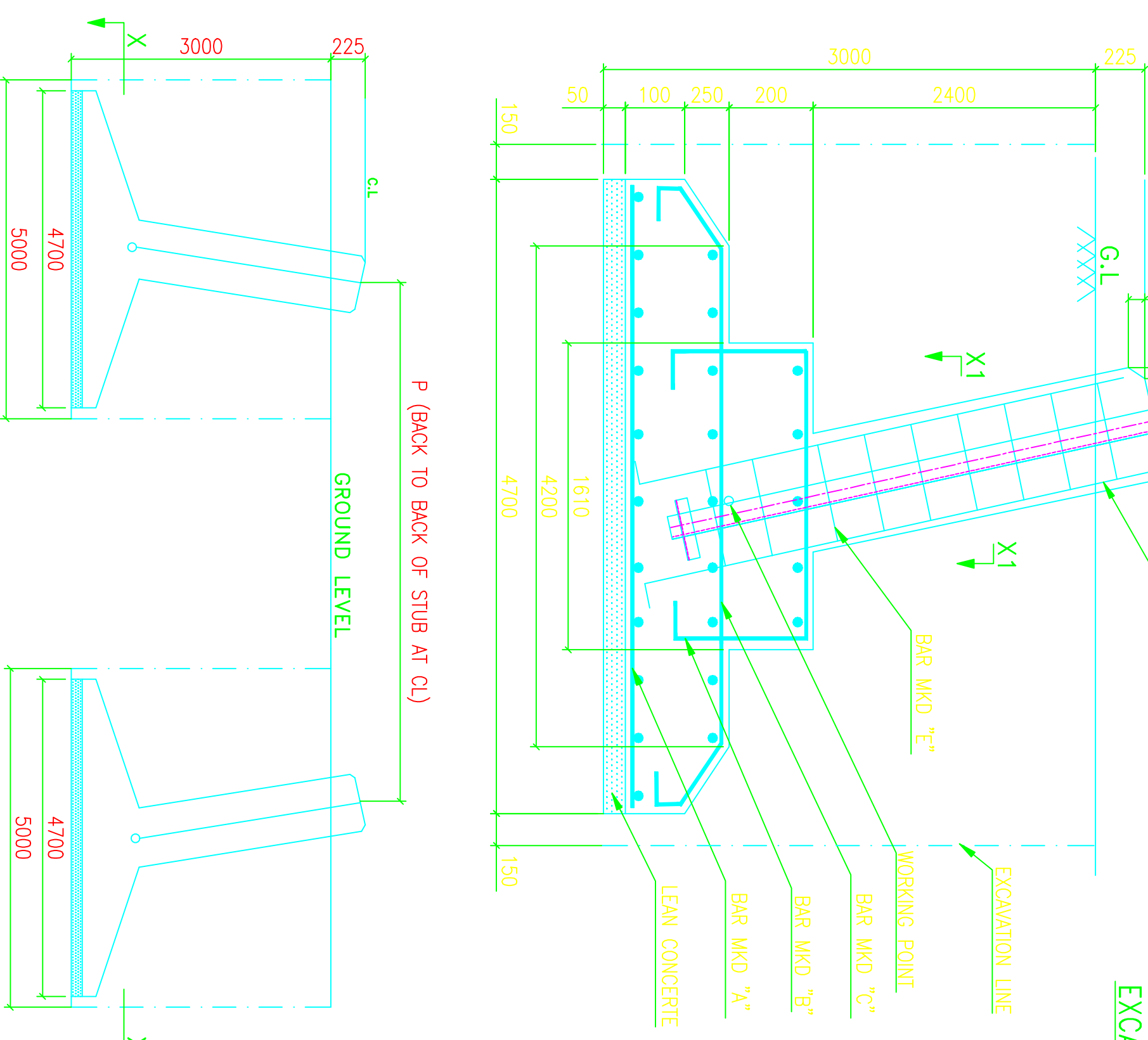
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+18M	HT S 130*12	36.7	14469	15559	22003	MS 90*6 NO. OF PAIRS 3 BOLTS / PAIR 3
+25M	HT S 130*12	36.7	17238	18128	25637	MS 90*6 NO. OF PAIRS 3 BOLTS / PAIR 3

QUANTITIES PER TOWER	
EXCAVATION VOLUME =	300 Cu.M
CONCRETE (1:1.5:3) =	35.17 Cu.M
CONCRETE (1:3:6) =	4.42 Cu.M
REINFORCEMENT =	2273.2 Kgs.

NOTES:-

- DRAWING NOT TO SCALE.
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
- REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786-1985
- MIX PROPERTIES CONFORMING TO IS 456-2000
- CONCRETE MIX USED GRADE M20 (NOMINAL MIX 1:1.5:3)
LEAN CONCRETE MIX USED 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 50MM UNLESS OTHERWISE SPECIFIED.
- FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUB DRG.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:
 TYPE OF SOIL : FS
 UNIT WEIGHT : 1440/940 Kg/Cu.M
 BEARING CAPACITY : 13675 Kg/m²
 ANGLE OF REPOSE : 30 / 15 Degrees



ELEVATION

BIHAR STATE POWER TRANSMISSION COMPANY LTD	
DRAWN BY	
CHECKED BY	
APPROVED BY	
DESCRIPTION	132KV D/C "DD+18/25" TOWER FOUNDATION DRAWING OF TYPE - FS
DRG NO	132KV-D/C-+18/25-Fdn-FS-44
SCALE	-
SHEET NO	1-1
REV.	0