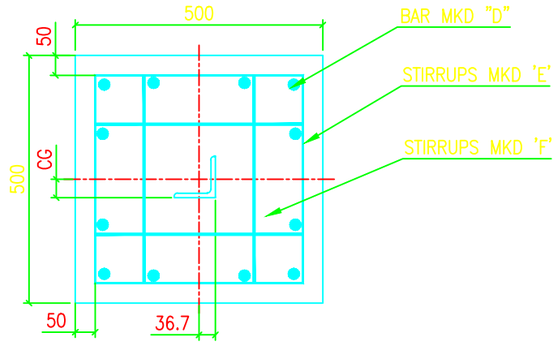
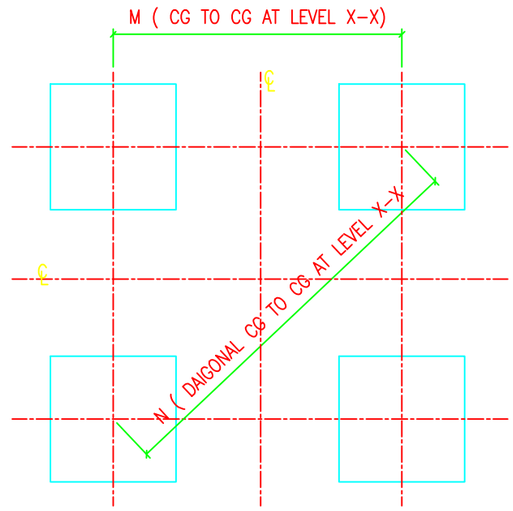
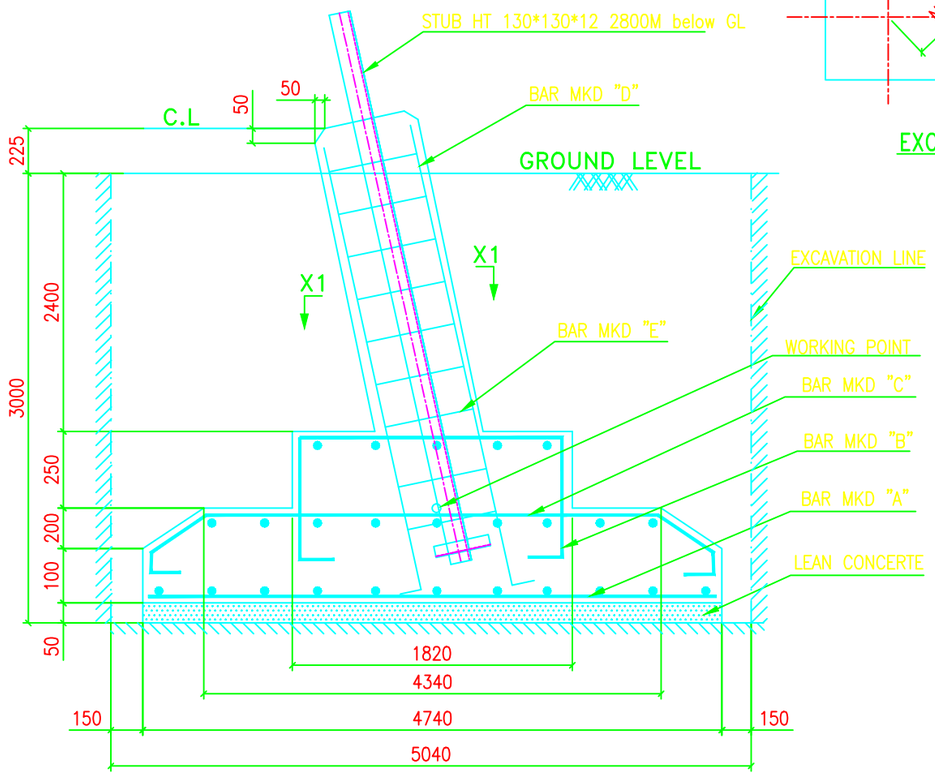
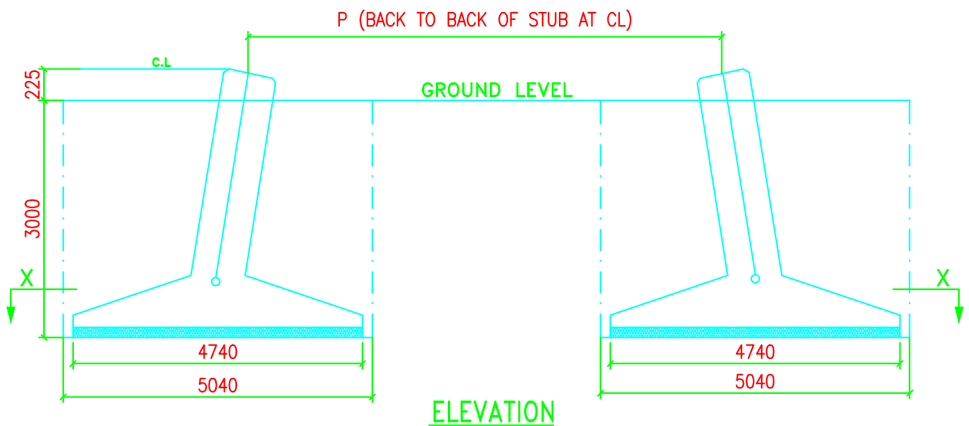


SECTION X1–X1



EXCAVATION PLAN AT X–X





ELEVATION

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	4640	12	4640	44	0.888	322.164	1288.656
B	1720; 426; 100	12	2772	12	0.888	52.491	209.964
C	4240; 212; 100	12	4864	24	0.888	184.209	736.836
D	3000; 350	25	3350	12	3.854	154.891	619.562
E	400; 400	8	1750	13	0.390	8.873	35.49
F	400; 146	8	1250	26	0.390	12.675	50.70
			TOTAL REINFORCEMENT				2941.208

TOWER SLOPE TAN ALPHA = 0.245256

EXCAVATION PLAN DETAILS

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+9M	HT130*130*12	36.7	16524	17736	25083	MS 90*90*6 NO. OF PAIRS 3 4 BOLTS/PAIR
+12M	HT130*130*12	36.7	18000	19216	27176	
+18M	HT130*130*10	36.7	20939	22153	31329	
+25M	HT130*130*12	36.7	24373	25587	36186	

QUANTITIES/TOWER

EXCAVATION VOLUME	=	304.82 Cu.M
CONCRETE (1:1.5:3)	=	31.42 Cu.M
CONCRETE (1:3:6)	=	4.49 Cu.M
REINFORCEMENT	=	2941.208 Kgs.

NOTES:–

1. DRAWING NOT TO SCALE.
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
3. REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786–1985
4. MIX PROPERTIES CONFORMING TO IS 456–2000
5. CONCERTE MIX USED GRADE M–20 (NOMINAL MIX 1:1.5:3)
   LEAN CONCERTE MIX USED GRADE M–10 (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 REINFORCMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
8. 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	:	14400/940 Kg/Cu.M
BEARING CAPACITY	:	13675 Kg/Sq.M
ANGLE OF REPOSE	:	30/15 Degrees
WATER TABLE	:	0M TO 0.75M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	220KV D/C "DD+9/12/18/25" TOWER FOUNDATION DRAWING OF TYPE - FS		SCALE –
CHECKED BY					
APPROVED BY		DRG NO	220KV-D/C-+9/12/18/25-Fdn-FS-44	SHEET NO 1–1	REV. 0