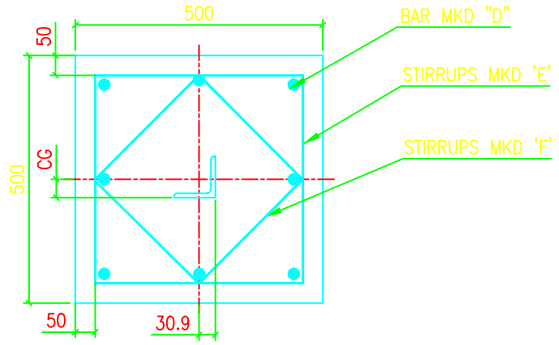
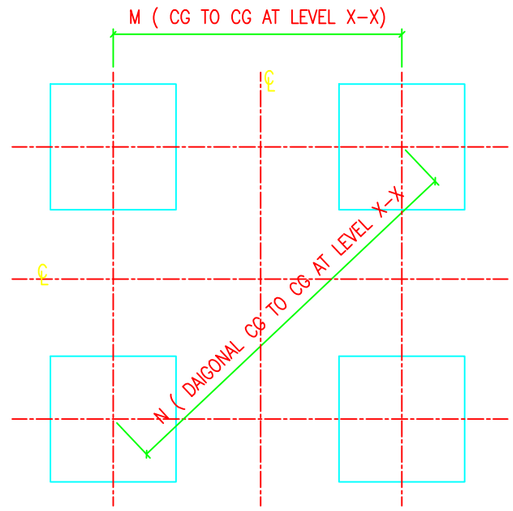
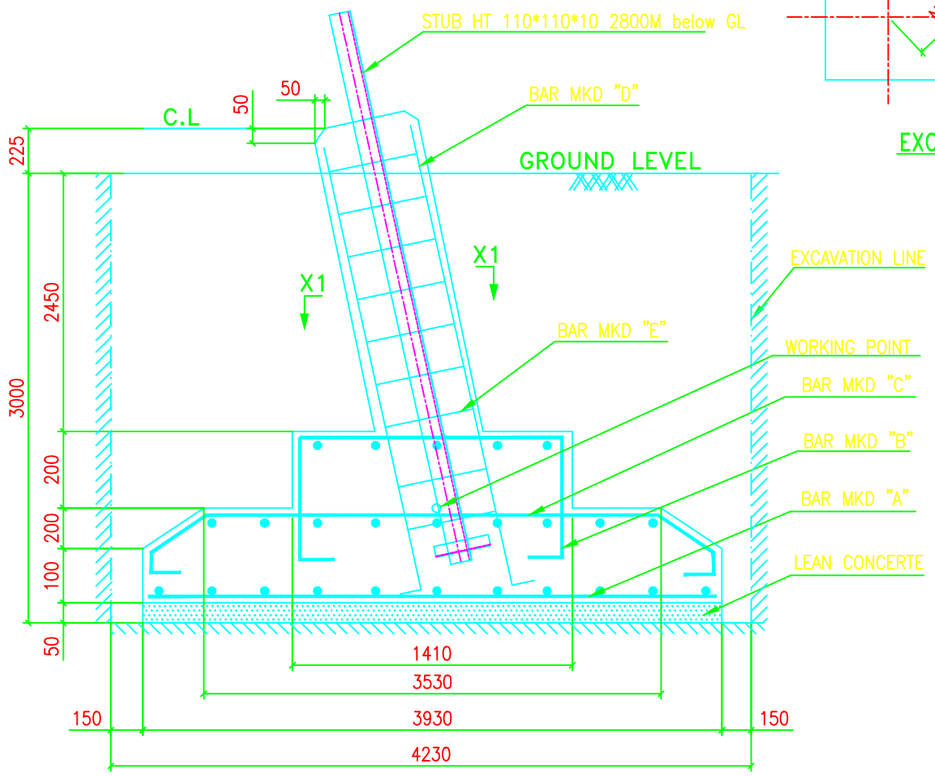
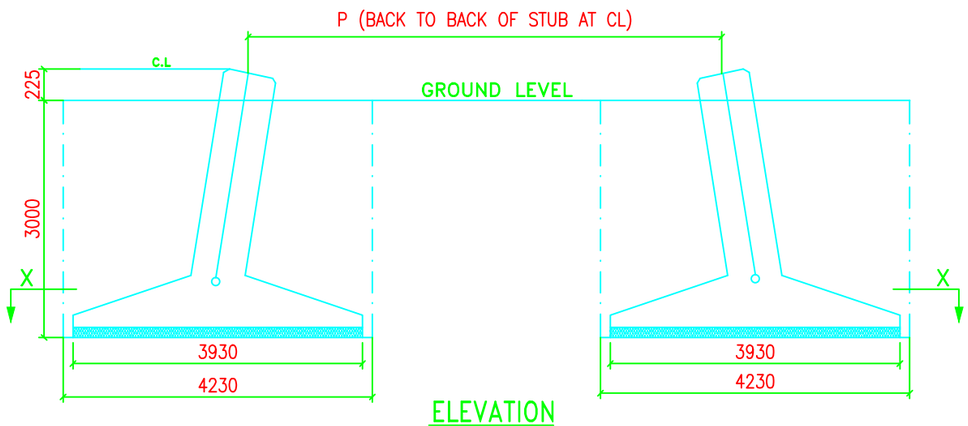


SECTION X1–X1



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	3830	10	3830	64	0.617	151.239	604.956
B	1310; 385; 100	10	2280	20	0.617	28.135	112.540
C	3430; 212; 100	10	4054	36	0.617	90.047	360.188
D	3000; 350	25	3350	8	3.854	103.260	413.040
E	400; 400	8	1750	13	0.390	8.873	35.492
F	282; 282	8	1278	13	0.390	6.479	25.916
			TOTAL REINFORCEMENT				1552.132

TOWER SLOPE TAN ALPHA = 0.20035

EXCAVATION PLAN DETAILS

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT110*110*10	30.9	10295	11324	16015	MS 100*100*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT110*110*10	30.9	11526	12549	17747	
+6M	HT110*110*10	30.9	12720	13751	19447	

QUANTITIES/TOWER

EXCAVATION VOLUME	=	214.71 Cu.M
CONCRETE (1:1.5:3)	=	21.58 Cu.M
CONCRETE (1:3:6)	=	3.09 Cu.M
REINFORCEMENT	=	1552.13 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	:	1440/940 Kg/Cu.M
BEARING CAPACITY	:	13675 Kg/Sq.M
ANGLE OF REPOSE	:	30/15 Degrees
WATER TABLE	:	0M TO 0.75M FROM G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	220KV D/C "DC+0/3/6" TOWER FOUNDATION DRAWING OF TYPE - FS		SCALE –
CHECKED BY					
APPROVED BY		DRG NO	220KV-D/C-+0/3/6-Fdn-FS-34	SHEET NO 1–1	REV. 0