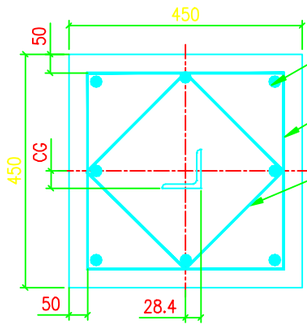
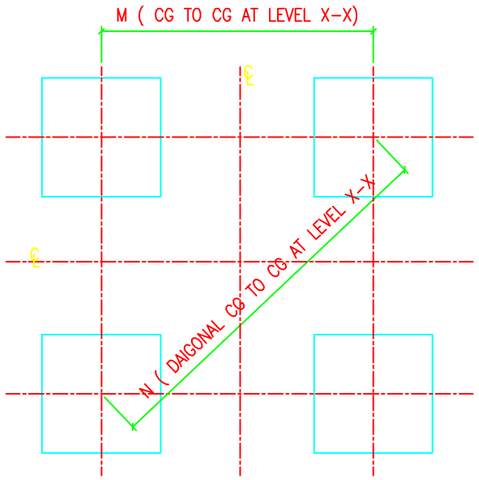
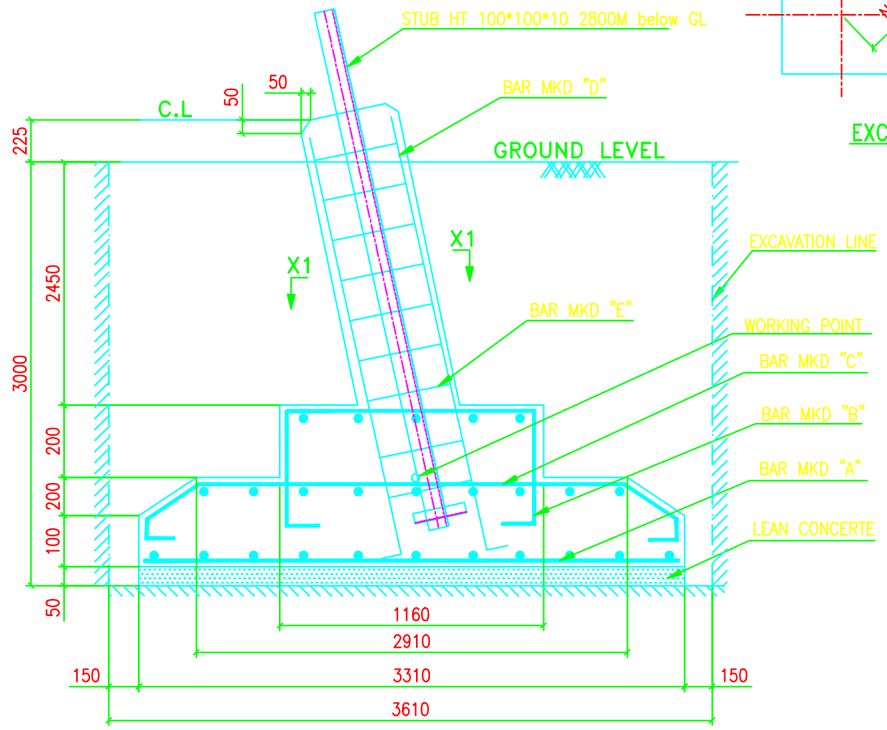
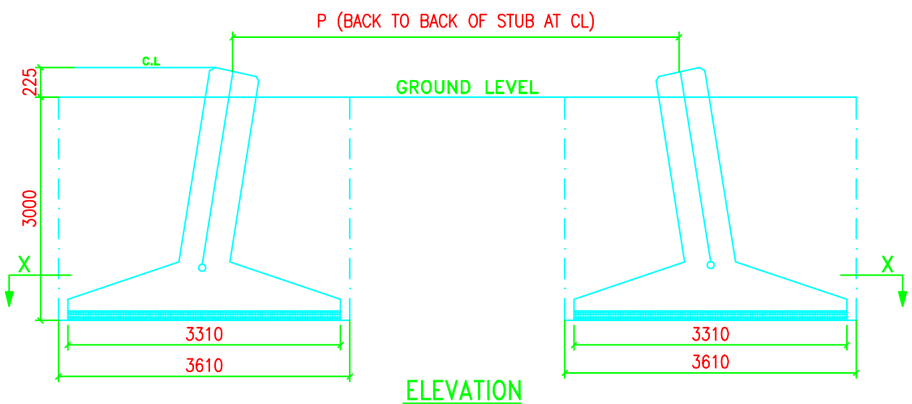


SECTION X1–X1



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	3210	10	3210	48	0.617	95.067	380.268
B	1060, 370, 100	10	2000	12	0.617	14.808	59.232
C	2810, 212, 100	10	3434	28	0.617	59.325	237.300
D	3000, 350	25	3350	8	3.854	103.287	413.148
E	350, 350	8	1550	13	0.390	7.86	31.434
F	255, 255	8	1170	13	0.390	5.932	23.727
			TOTAL REINFORCEMENT				1145.11

TYPE OF TOWER : DB+3/6/9

TOWER SLOPE TAN ALPHA = 0.142771

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+3M	HT 100*100*10	28.4	6914	7620	10776	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+6M	HT 100*100*10	28.4	7771	8477	11988	
+9M	HT 100*100*10	28.4	8627	9334	13200	

QUANTITIES/TOWER

EXCAVATION VOLUME	=	156.385 Cu.M
CONCRETE (1:1.5:3)	=	15.374 Cu.M
CONCRETE (1:3:6)	=	2.191 Cu.M
REINFORCEMENT	=	1145.11 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	:	PS
UNIT WEIGHT	:	1440/940 Kg/Cu.M
BEARING CAPACITY	:	13675 Kg/Sq.M
ANGLE OF REPOSE	:	30/15 Degrees
WATER TABLE	:	0.75M TO 1.5M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	132KV D/C "DB+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - PS		SCALE –
CHECKED BY					
APPROVED BY		DRG NO	132KV-D/C-+3/6/9-Fdn-PS-23	SHEET NO 1–1	REV. 0