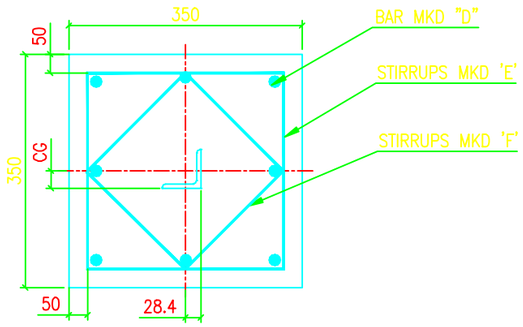
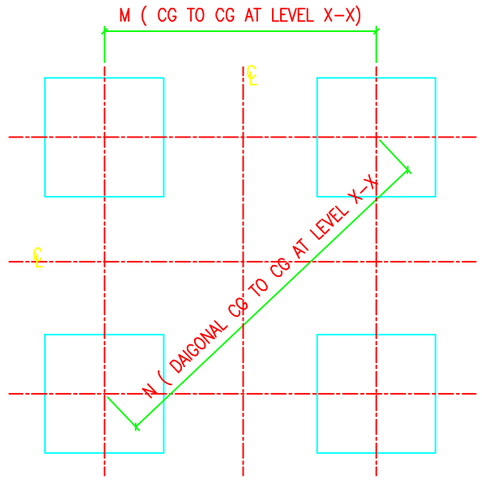
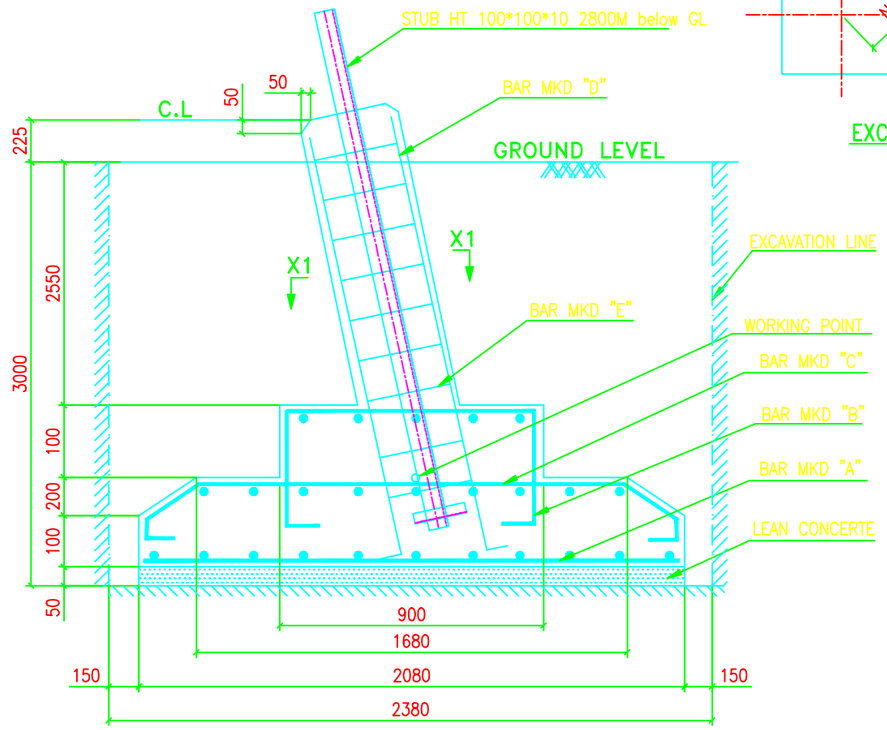
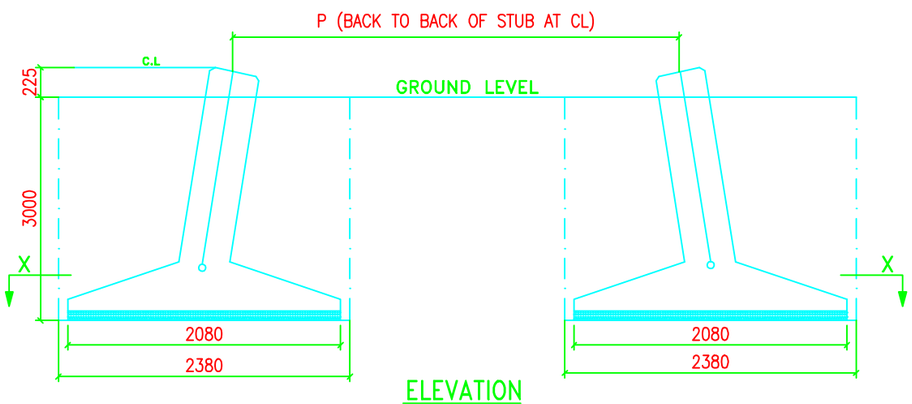


SECTION X1–X1



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	1980	10	1980	38	0.617	46.423	185.692
B	800, 270, 100	10	1540	10	0.617	9.501	38.004
C	1580, 212, 100	10	2204	14	0.617	19.038	76.152
D	3000, 350	25	3350	8	3.854	103.287	413..148
E	250, 250	8	1150	13	0.390	5.83	23.32
F	185, 185	8	890	13	0.390	4.513	18.05
			TOTAL REINFORCEMENT				754.366

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	7649	10817	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+6M	HT 100*100*10	28.4	7771	8506	12029	
+9M	HT 100*100*10	28.4	8627	9362	13240	

QUANTITIES/TOWER

EXCAVATION VOLUME	=	67.973 Cu.M
CONCRETE (1:1.5:3)	=	6.252 Cu.M
CONCRETE (1:3:6)	=	0.865 Cu.M
REINFORCEMENT	=	754.366 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	:	DRY
UNIT WEIGHT	:	1440 Kg/Cu.M
BEARING CAPACITY	:	27350 Kg/Sq.M
ANGLE OF REPOSE	:	30 Degrees
WATER TABLE	:	3.0M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	132KV D/C "DB+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - DRY	SCALE	–
CHECKED BY					
APPROVED BY		DRG NO	132KV-D/C-+3/6/9-Fdn-Dry-21	SHEET NO 1–1	REV. 0