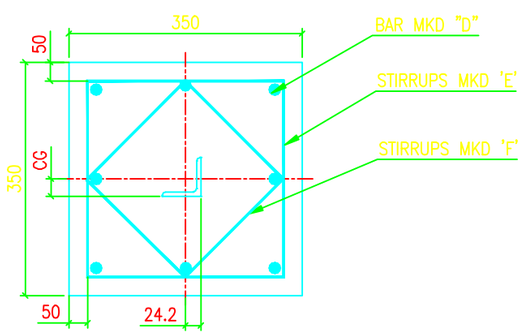
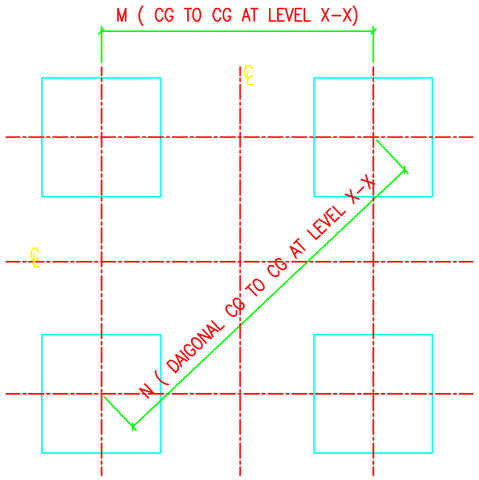
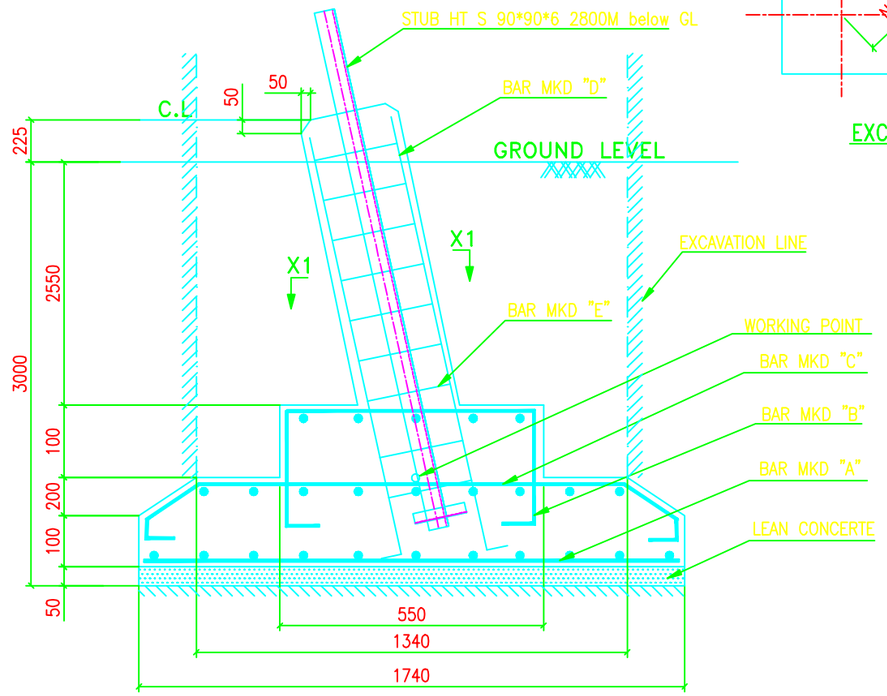
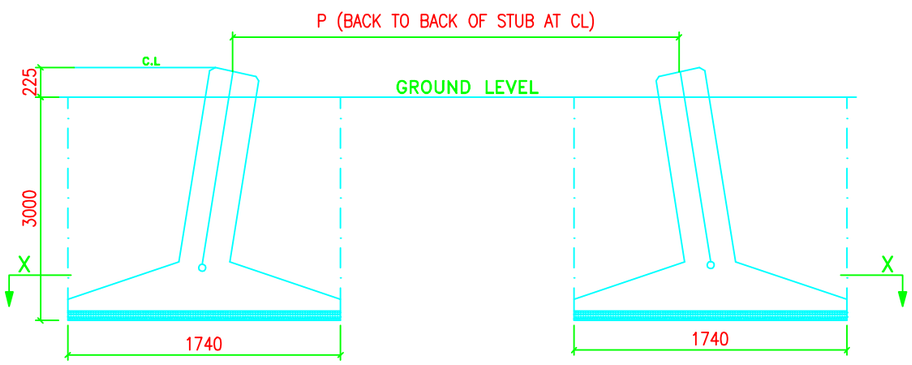


SECTION X1–X1



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	1640	10	1640	18	0.617	18.213	72.852
B	450, 270, 100	10	1190	6	0.617	4.405	17.620
C	1240, 212, 100	10	1864	10	0.617	11.5	46.00
D	3000, 350	20	3350	8	2.466	66.088	264.352
E	250, 250	8	1150	13	0.390	5.83	23.32
F	183, 183	8	882	13	0.390	4.47	17.88
			TOTAL REINFORCEMENT				442.024

TYPE OF TOWER : DA+3/6/9

TOWER SLOPE TAN ALPHA = 0.09760541

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+3M	HT 90*90*6	24.2	5134	5627	7958	MS 80*80*6 NO. OF PAIRS 2 3 BOLTS/PAIR
+6M	HT 90*90*6	24.2	5720	6213	8787	
+9M	HT 90*90*6	24.2	6305	6798	9614	

QUANTITIES/TOWER

EXCAVATION VOLUME	=	22.758 Cu.M
CONCRETE (1:1.5:3)	=	4.6 Cu.M
CONCRETE (1:3:6)	=	0.606 Cu.M
REINFORCEMENT	=	442.02 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	:	DFR
UNIT WEIGHT	:	1440 Kg/Cu.M
BEARING CAPACITY	:	62500 Kg/Sq.M
ANGLE OF REPOSE	:	20 Degrees
WATER TABLE	:	3.0M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	132KV D/C "DA+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - DFR		SCALE –
CHECKED BY					
APPROVED BY		DRG NO	132KV-D/C-+3/6/9-Fdn-DFR-16	SHEET NO 1–1	REV. 0