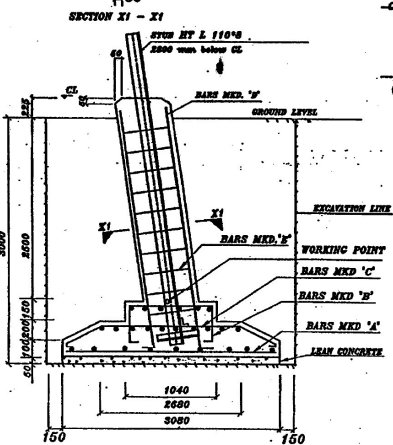
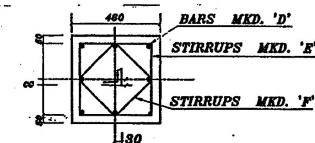


BAR BENDING SCHEDULE FOR FOUNDATION						
BAR TYPE	SECTION	BAR DIA. (mm)	LENGTH (mm)	NO./LBS	UNIT WEIGHT (KG/M)	WEIGHT PER BAR (KG)
A	2880	10	2880	52	0.617	95.610
B	1810	10	1810	14	0.617	15.635
C	2580	10	3204	20	0.617	51.399
D	3350	25	3350	8	3.853	103.260
E	380	8	1590	13	0.395	8.165
F	380	8	1168	13	0.395	5.987
TOTAL WEIGHT (Kgs) =						1120.224

QUANTITIES / TOWER	
EXCAVATION	= 137.09 m ³
CONCRETE (1:1.5:3)	= 13.40 m ³
CONCRETE (1:3:6)	= 1.90 m ³
REINFORCEMENT	= 1120.224 kgs

- NOTES:
1. DRAWING NOT TO SCALE
 2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 3. REINFORCED BAR USED Fe 400 CONFORMING TO IS 1786-1985
 4. MIX PROPERTIES CONFORMING TO IS 456-2000
 5. CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3), LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6).
 6. STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE WHENEVER NECESSARY TO CLEAR STUB AND CLEAR
 7. CLEAN COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
 8. ALL 8mm BARS ARE MS BARS.
 9. FOR SPLICING, LAP LENGTH TO BE PROVIDED IS 8d, d = DIA OF LARGER BAR.

TOWER SLOPE TAN ALPHA = 0.300481

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAR DETAILS
+0m	HT L 110°	80.0	10398	11927	18018	AS PER
+3m	HT L 110°	80.0	11611	12548	17748	NO. OF PILES & BENTS / PILE
+8m	HT L 110°	80.0	12720	13751	18447	

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : PS
 UNIT WEIGHT : 1440 / 940 Kg/Cu.M
 BEARING CAPACITY : 13075 Kg/m²
 ANGLE OF REPOSE 30 / 16 Degrees
 WATER TABLE : 0.75 TO 1.5 M FROM CL

REVISED AS PER CLIENT COMMENTS		DESCRIPTION	
DATE	REV.		
		CLIENT	BRAR STATE POWER TRANSMISSION CO.LTD. PATNA
		PROJECT :	
		TITLE :	PS TYPE FOUNDATION FOR 220 KV D/C 'DB+0/3/6' TOWER
		DRG.No.	220KV-D/C-+0/3/6-Fdn-PS-23
		SCALE	MTS
		REV	
		SHEET	1 OF 1