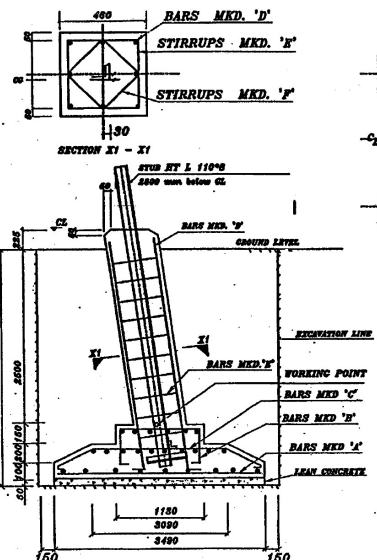


BAR BENDING SCHEDULE FOR FOUNDATION						
BAR TYPE	SECTION	BAR DIA. (mm)	LENGTH (mm)	BAR/LIN	UNIT WEIGHT (kg/m)	WEIGHT PER LIN (kg)
A	3330	10	3390	60	0.617	125.49
B	1030 500 100	10	1900	16	0.617	18.757
C	2990 100	10	3614	30	0.617	66.895
D	3350 350	25	3350	8	3.853	103.260
E	1690 350	8	1690	13	0.395	8.165
F	1186 350	8	1186	13	0.395	5.987
TOTAL WEIGHT (kg)						1314.248

QUANTITIES / TOWER	
EXCAVATION	= 172.37 m ³
CONCRETE (1:1.5:3)	= 16.61 m ³
CONCRETE (1:3:6)	= 2.44 m ³
REINFORCEMENT	= 1314.248 kg

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	I'	M	N	CLAY DETAILS
+0m	HT L 1100	80.0	10210	11827	10019	HT 1000
+3m	HT L 1100	80.0	11617	12548	17748	HT 1000
+6m	HT L 1100	80.0	12720	13761	19447	HT 1000

- NOTES:
1. DRAWING NOT TO SCALE
 2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 3. REINFORCED BAR USED Fe 500 CONFORMING TO IS 1786-1986
 4. MIX PROPERTIES CONFORMING TO IS 456-2000
 5. CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3)
 6. CONCRETE MIX USED GRADE M 10 (NOMINAL MIX 1:3:6)
 7. STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE WHENEVER NECESSARY TO CLEAR STUB AND CLAY
 8. CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
 9. ALL OTHER BARS ARE AS BARS
 10. FOR SPLICING, LAP LENGTH TO BE PROVIDED AS PER BAR

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TOWER SLOPE TAN ALPHA = 0.200461

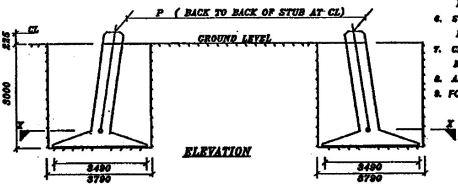
TYPE OF SOIL : FS

UNIT WEIGHT : 1440 / 240 Kg/m³

BEARING CAPACITY : 10876 kg/m²

ANGLE OF REPOSE 30 / 15 Degree

WATER TABLE : 0 TO 0.75 M FROM CL



11.12.14		REVISED AS PER CLIENT COMMENTS			
DATE	REV.	DESCRIPTION			
CLIENT		BIHAR STATE POWER TRANSMISSION CO.LTD., PATNA		ALL DIMENSIONS ARE IN MM	
PROJECT :					
				SCALE	NTS
TITLE :	FS TYPE FOUNDATION FOR 220 KV D/C "DB+0/3/6" TOWER			REV	
DRG.No.	220KV-D/C+0/3/6-Fdn.-FS-24			SHEET	1 OF 1