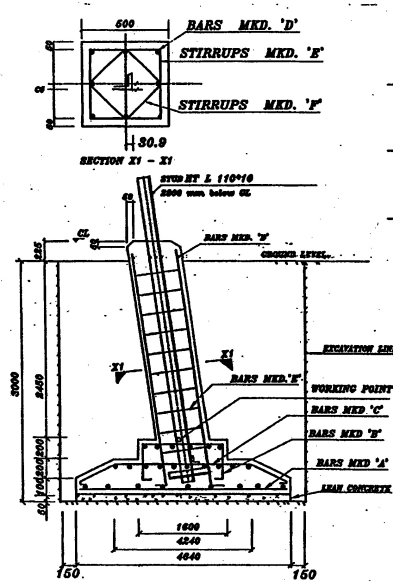


BAR BENDING SCHEDULE FOR FOUNDATION							
BAR TYPE	SECTION	BAR DIA. (mm)	LENGTH (mm)	NO./ LENO	UNIT WEIGHT (kg/m)	WEIGHT PER BAR (kg)	WEIGHT PER TOWER (kg)
A	4540	10	4540	82	0.617	229.69	918.787
B	1500 100	10	2470	24	0.617	38.576	148.304
C	4140 100	10	4764	46	0.617	135.21	540.847
D	3500 35	25	3350	8	3.853	103.260	413.040
E	3000 400	8	1750	13	0.395	8.986	35.945
F	200 400	8	1278	13	0.395	6.563	26.250
TOTAL WEIGHT (kg) = 2081.173							

QUANTITIES / TOWER	
EXCAVATION	= 282.84 m³
CONCRETE (1:1.6:3)	= 29.12 m³
CONCRETE (1:3:6)	= 4.31 m³
REINFORCEMENT	= 2081.173 kg

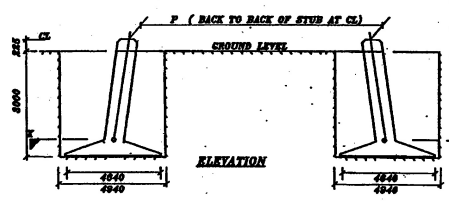
TOWER SLOPE TAN ALPHA = 0.20035

EXCAVATION PLAN DETAILS						
LEVEL	STUD	CC OF STUD	P	M	N	CLEREST
+0m	HT L 110*10	30.9	10295	11304	10306	NO 100% NO. OF TOWER 2
+0m	HT L 110*10	30.9	11620	12529	17710	24220 / 100m²
+0m	HT L 110*10	30.9	12728	15731	10410	

- NOTES:
- DRAWING NOT TO SCALE
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 - REINFORCED BAR USED Fe 420 CONFORMING TO IS 1786-1985
 - MIX PROPERTIES CONFORMING TO IS 456-2000
 - CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.6:3).
 - LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6).
 - STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE THEREFTER NECESSARY TO CLEAR STUD AND CLEREST
 - CLEREST COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 40 MM UNLESS OTHERWISE SPECIFIED
 - ALL 8mm BARS ARE HR BARS.
 - FOR SPLICING, LAP LENGTH TO BE PROVIDED IS 32d, d = DIA OF LARGER BAR.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : WBC
UNIT WEIGHT : 1440 / 840 kg/cu.m
BEARING CAPACITY : 15675 kg/m²
ANGLE OF REPOSE : 18 / 0 Degree
WATER TABLE : 0 TO 0 M FROM GL



		REVISED AS PER CLIENT COMMENTS			
DATE	REV.	DESCRIPTION			
				ALL DIMENSIONS ARE IN MM	
CLIENT	BIHAR STATE POWER TRANSMISSION CO.LTD., PATNA				
PROJECT					
TITLE :	WBC TYPE FOUNDATION FOR 220 KV D/C "DC-10/3/6" TOWER				
DRG.No.	220KV-DC-10/3/6-Fdn-WDC-35				
		SCALE	NTS		
		REV			
		SHEET	1 OF 1		