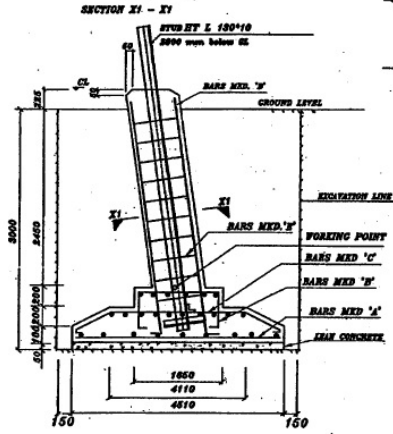


BAR BENDING SCHEDULE FOR FOUNDATION

BAR TYPE	SECTION	BAR DIA. (mm)	LENGTH (mm)	NO./LAP	UNIT WEIGHT (kg/m)	WEIGHT PER BAR (kg.)	WEIGHT PER TOWER (kg.)
A	4410	12	4410	86	0.888	258.46	1033.845
B	1650 100	12	2514	18	0.888	40.184	160.735
C	4010 100	12	4634	38	0.888	156.370	625.479
D	3550 25	25	3350	8	3.853	103.260	413.042
E	2150 8	8	2150	13	0.395	11.040	44.161
F	1562 8	8	1562	13	0.395	8.021	32.083
TOTAL WEIGHT (kgs) = 2309.346							



QUANTITIES / TOWER

EXCAVATION	=	277.63 m ³
CONCRETE (1:1.5:3)	=	29.04 m ³
CONCRETE (1:3:6)	=	4.07 m ³
REINFORCEMENT	=	2309.346 kgs

TOWER SLOPE TAN ALPHA = 0.245258

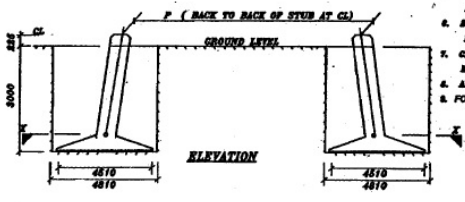
EXCAVATION PLAN DETAILS

LEVEL	STUD	CG OF STUD	P	M	N	CLEAR DETAILS
+0m	RT E 130*10	35.9	12113	13551	18881	SEE DRAWING
+0.3m	RT E 130*10	35.9	13581	14822	20982	SEE DRAWING
+0.6m	RT E 130*10	35.9	15061	16294	23043	SEE DRAWING

- NOTES:**
- DRAWING NOT TO SCALE
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 - REINFORCED BAR USED Pn 80 CONFORMING TO IS 1786-1986
 - MIX PROPERTIES CONFORMING TO IS 456-2000
 - CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3), MAIN CONCRETE MIX GRADE M 10 (NOMINAL MIX 1:3:6)
 - STIRRUPS AND MAIN BARS TO BE ADJUSTED AT SITE WHEREVER NECESSARY TO CLEAR STUDS AND CLEAR
 - CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 60 MM UNLESS OTHERWISE SPECIFIED
 - ALL 6mm BARS ARE HOT BARS
 - FOR SPLICING, LAP LENGTH TO BE PROVIDED IS 48d, d = DIA OF LARGER BAR

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : FS
 UNIT WEIGHT : 1440 / 240 kg/D.M
 BEARING CAPACITY : 160Tg kg/cm²
 ANGLE OF REPOSE : 20 / 18 Degree
 WATER TABLE : 0 TO 0.75 M FROD CL



DATE		REVISED AS PER CLIENT COMMENTS	
DATE	REV.	DESCRIPTION	
CLIENT :		BIHAR STATE POWER TRANSMISSION CO.LTD., PATNA	
PROJECT :			
TYPE :		FS TYPE FOUNDATION FOR 220 KV D/C 'DD+0/3/6' TOWER	
DRG.No.		220KV-D/C-+0/3/6-Fdn-FS-44	
		SCALE	N.T.S.
		REV	
		SHEET	1 OF 1

A3 SHEET