



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		10	2760	56	0.617	95.363	381.452
B		10	1520	10	0.617	9.378	37.512
C		10	2984	24	0.617	44.187	176.748
D		25	3350	8	3.854	103.287	413.148
E		8	1590	13	0.390	8.061	32.244
F		8	1198	13	0.390	6.074	24.295
TOTAL REINFORCEMENT							1065.399

TOWER SLOPE TAN ALPHA = 0.200461

QUANTITIES/TOWER
EXCAVATION VOLUME = 119.827 Cu.M
CONCRETE (1:1.5:3) = 11.602 Cu.M
CONCRETE (1:3:6) = 1.636 Cu.M
REINFORCEMENT = 1065.399 Kgs.

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT 110*110*8	30	10296	11347	16047	MS 100*100*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT 110*110*8	30	11517	12568	17774	
+6M	HT 110*110*8	30	12720	13771	19475	

NOTES:-

- DRAWING NOT TO SCALE.
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
- REINFORCED BAR USED Fe 415 CONFORMING TO IS 1786-1985
- MIX PROPERTIES CONFORMING TO IS 456-2000
- CONCRETE MIX USED GRADE M-20 (NOMINAL MIX 1:1.5:3)
LEAN CONCRETE MIX USED GRADE M-10 (NOMINAL MIX 1:3:6)
- WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
- CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
- FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUB DRG.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : WET
 UNIT WEIGHT : 1440/940 Kg/Cu.M
 BEARING CAPACITY : 13675 Kg/Sq.M
 ANGLE OF REPOSE : 30/15 Degrees
 WATER TABLE : 1.5M TO 3.0M BELOW G.L.

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	220KV D/C "DB+0/3/6" TOWER FOUNDATION DRAWING OF TYPE - WET		SCALE
CHECKED BY					-
APPROVED BY		DRG NO	220KV-D/C-+0/3/6-Fdn-Wet-22	SHEET NO 1-1	REV. 0