



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	2960	58	0.617	105.927	423.708
B		10	1830	14	0.617	15.0808	63.232
C		10	3184	30	0.617	58.936	235.744
D		25	3350	8	3.854	103.260	413.040
E		8	1750	13	0.390	8.873	35.492
F		8	1278	13	0.390	6.479	25.916
TOTAL REINFORCEMENT							1197.132

TOWER SLOPE TAN ALPHA = 0.20035

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT110*110*10	30.9	10295	11324	16015	MS 100*100*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT110*110*10	30.9	11526	12549	17747	
+6M	HT110*110*10	30.9	12720	13751	19447	

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 135.48 Cu.M
CONCRETE (1:1.5:3)	= 13.70 Cu.M
CONCRETE (1:3:6)	= 1.87 Cu.M
REINFORCEMENT	= 1197.132 Kgs.

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 REINFORCMENT 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 "DC+0/3/6" TOWER FOUNDATION DRAWING OF TYPE - WET		SCALE
CHECKED BY				-
APPROVED BY	DRG NO	220KV-D/C-+0/3/6-Fdn-Wet-32	SHEET NO 1-1	REV. 0