



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	1630	22	0.617	22.126	88.504
B		10	1250	8	0.617	6.17	24.68
C		10	1854	10	0.617	11.439	45.756
D		20	3350	8	2.466	66.089	264.352
E		8	1150	13	0.390	5.831	23.324
F		8	854	13	0.390	4.330	17.32
TOTAL REINFORCEMENT							463.94

TOWER SLOPE TAN ALPHA = 0.0978

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT 100*100*8	27.6	5490	5939	8399	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT 100*100*8	27.6	6053	6502	9195	
+6M	HT 100*100*8	27.6	6598	7047	9966	

QUANTITIES/TOWER	
EXCAVATION VOLUME =	49.45 Cu.M
CONCRETE (1:1.5:3) =	4.57 Cu.M
CONCRETE (1:3:6) =	0.6 Cu.M
REINFORCEMENT =	463.94 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 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 : DRY
 UNIT WEIGHT : 1440 Kg/Cu.M
 BEARING CAPACITY : 27350 Kg/Sq.M
 ANGLE OF REPOSE : 30 Degrees
 WATER TABLE : 3.0M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	220KV D/C "DA+0/3/6" TOWER FOUNDATION DRAWING OF TYPE - DRY		SCALE
CHECKED BY					-
APPROVED BY		DRG NO	220KV-D/C-+0/3/6-Fdn-Dry-11	SHEET NO 1-1	REV. 0