



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	2140	60	0.617	79.223	316.892
B		10	1420	10	0.617	8.761	35.044
C		10	2364	22	0.617	32.089	128.356
D		25	3350	8	3.854	103.260	413.040
E		8	1550	13	0.390	7.859	31.434
F		8	1138	13	0.390	5.770	23.078
TOTAL REINFORCEMENT							947.844

TOWER SLOPE TAN ALPHA = 0.20035

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 70.277 Cu.M
CONCRETE (1:1.5:3)	= 6.52 Cu.M
CONCRETE (1:3:6)	= 0.899 Cu.M
REINFORCEMENT	= 759.769 Kgs.

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT110*110*10	30.9	10295	11344	16043	MS 100*100*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT110*110*10	30.9	11526	12589	17775	
+6M	HT110*110*10	30.9	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 : DRY
 UNIT WEIGHT : 1440 Kg/Cu.M
 BEARING CAPACITY : 27350 Kg/Sq.M
 ANGLE OF REPOSE : 30 Degrees
 WATER TABLE : 3.0M TO FROM G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	220KV D/C "DC+0/3/6" TOWER		SCALE
CHECKED BY			FOUNDATION DRAWING OF TYPE - DRY		
APPROVED BY		DRG NO	220KV-D/C-+0/3/6-Fdn-Dry-31	SHEET NO 1-1	REV. 0