



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		12	3480	50	0.888	154.512	618.048
B		12	2218	12	0.888	23.635	94.54
C		12	3704	28	0.888	92.096	368.384
D		25	3350	8	3.854	103.287	413.148
E		8	2190	13	0.390	11.103	44.413
F		8	1622	13	0.390	8.223	32.894
TOTAL REINFORCEMENT							1571.43

TOWER SLOPE TAN ALPHA = 0.245256

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 180.653 Cu.M
CONCRETE (1:1.5:3)	= 19.804 Cu.M
CONCRETE (1:3:6)	= 2.563 Cu.M
REINFORCEMENT	= 1571.43 Kgs.

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT130*130*10	35.9	12113	13351	18881	MS 110*110*8 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT130*130*10	35.9	13584	14823	20963	
+6M	HT130*130*10	35.9	15056	16294	23043	

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 "DD+0/3/6" TOWER		SCALE
CHECKED BY			FOUNDATION DRAWING OF TYPE - WET		
APPROVED BY		DRG NO	220KV-D/C-+0/3/6-Fdn-Wet-42	SHEET NO 1-1	REV. 0