



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	2620	34	0.617	54.962	219.848
B		10	1490	10	0.617	9.193	36.772
C		10	2844	20	0.617	35.095	140.38
D		20	3350	8	2.466	66.089	264.352
E		8	1550	13	0.390	7.856	31.434
F		8	1138	13	0.390	5.77	23.079
TOTAL REINFORCEMENT							715.868

TOWER SLOPE TAN ALPHA = 0.0978

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 109.44 Cu.M
CONCRETE (1:1.5:3)	= 10.57 Cu.M
CONCRETE (1:3:6)	= 1.48 Cu.M
REINFORCEMENT	= 715.868 Kgs.

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	

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 : PS
 UNIT WEIGHT : 1440/940 Kg/Cu.M
 BEARING CAPACITY : 13675 Kg/Sq.M
 ANGLE OF REPOSE : 30/15 Degrees
 WATER TABLE : 0.75M TO 1.5M FROM G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	220KV D/C "DA+0/3/6" TOWER		SCALE
CHECKED BY			FOUNDATION DRAWING OF TYPE - PS		
APPROVED BY		DRG NO	220KV-D/C-+0/3/6-Fdn-PS-13	SHEET NO 1-1	REV. 0