



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	3090	58	0.617	110.578	442.312
B		10	1640	12	0.617	12.152	48.568
C		10	3314	28	0.617	57.252	229.008
D		25	3350	8	3.854	103.287	413.148
E		8	1550	13	0.390	7.86	31.434
F		8	1170	13	0.390	5.932	23.727
TOTAL REINFORCEMENT							1188.20

TYPE OF TOWER : DB+0

TOWER SLOPE TAN ALPHA = 0.142771

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT 100*100*10	28.4	6057	6792	9605	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 146.161 Cu.M
CONCRETE (1:1.5:3)	= 13.881 Cu.M
CONCRETE (1:3:6)	= 2.035 Cu.M
REINFORCEMENT	= 1188.20 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 : 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 BELOW G.L.

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DESCRIPTION	132KV D/C "DB+0" TOWER FOUNDATION DRAWING OF TYPE - PS	SCALE
DRWN BY		-
CHECKED BY		
APPROVED BY		
DRG NO	132KV-D/C-0-Fdn-PS-23	SHEET NO 1-1
		REV. 0