



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	2980	12	2980	40	0.888	105.850	423.400		
B	2580 1060 100	12	2024	12	0.888	21.568	86.272		
C	2580 212 100	12	3204	22	0.888	62.593	250.372		
D	3000 350	16	3350	20	1.578	105.726	422.904		
		20	3350	4	2.466	33.044	132.176		
E	350 52	8	1550	13	0.390	7.86	31.44		
F	247 247	8	1138	13	0.390	5.770	23.078		
G	350 218	8	1110	26	0.390	11.255	45.022		
G	82	8	232	52	0.390	4.705	18.820		
<b>TOTAL REINFORCEMENT</b>							<b>1433.48</b>		

TYPE OF TOWER : DD+0

TOWER SLOPE TAN ALPHA = 0.18403

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LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT130*130*10	35.9	8073	8985	12707	MS 90*90*6 NO.OF PARS 3 OUTER-290MM INNER-210MM 4 BOLTS/BAR

QUANTITIES/TOWER	
EXCAVATION VOLUME =	88.47 Cu.M
CONCRETE ( 1:1.5:3 ) =	13.68 Cu.M
CONCRETE ( 1:3:6 ) =	1.90 Cu.M
REINFORCEMENT =	1433.48 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 : DFR  
 UNIT WEIGHT : 1440/940 Kg/Cu.M  
 BEARING CAPACITY : 62500 Kg/Sq.M  
 ANGLE OF REPOSE : 20 Degrees  
 WATER TABLE : 3.0M FROM G.L

**BIHAR STATE POWER TRANSMISSION COMPANY LTD**

**132KV D/C "DD+0" TOWER  
 FOUNDATION DRAWING OF TYPE - DFR**

DESCRIPTION	SCALE
DRAWN BY	
CHECKED BY	
APPROVED BY	
DRG NO	132KV-D/C-0-Fdn-DFR-46
SHEET NO	1-1
REV.	0