



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	3090	12	3090	44	0.888	120.732	482.928		
B	382 100 1090	12	2054	12	0.888	21.568	87.548		
C	212 100 2690	12	3314	24	0.888	70.628	282.512		
D	3000	16	3350	20	1.578	59.496	237.984		
	1350	20	3350	8	2.466	66.088	264.352		
E	350 55	8	1550	13	0.390	7.86	31.434		
F	67	8	1238	13	0.390	6.276	25.104		
G	350 35	8	1172	26	0.390	11.884	47.536		
G	70	8	220	52	0.390	4.462	17.846		
TOTAL REINFORCEMENT							1477.244		

TYPE OF TOWER : DD+3/6/9

TOWER SLOPE TAN ALPHA = 0.18403

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LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+3M	HT 130*130*10	35.9	9917	10089	14268	MS 90*90*6 NO.OF PAIRS 3 OUTER-290MM INNER-210MM 4 BOLTS/PAIR
+3M	HT 130*130*10	35.9	10281	11193	15829	
+3M	HT 130*130*10	35.9	11386	12297	17391	

QUANTITIES/TOWER	
EXCAVATION VOLUME =	95.78 Cu.M
CONCRETE (1:1.5:3) =	14.53 Cu.M
CONCRETE (1:3:6) =	2.04 Cu.M
REINFORCEMENT =	1477.244 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 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+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - DFR

SCALE

DESCRIPTION	DRG NO	SHEET NO	REV.
DRAWN BY		1-1	0
CHECKED BY			
APPROVED BY			