



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	3710	12	3710	52	0.888	171.313	685.252		
B	1250 382 100	12	2214	14	0.888	27.524	110.096		
C	3310 210 100	12	3934	30	0.888	104.802	419.208		
D	3000 350	12	3350	4	0.888	11.899	47.596		
		20	3350	16	2.466	132.177	528.708		
E	350 55 86	8	1550	13	0.390	7.86	31.434		
F	350 218	8	1282	13	0.390	6.499	25.60		
G	350 218	8	1286	26	0.390	13.04	52.160		
TOTAL REINFORCEMENT							1900.05		

TYPE OF TOWER : DD+0

TOWER SLOPE TAN ALPHA = 0.18403

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

QUANTITIES/TOWER	
EXCAVATION VOLUME =	142.40 Cu.M
CONCRETE (1:1.5:3) =	19.87 Cu.M
CONCRETE (1:3:6) =	2.90 Cu.M
REINFORCEMENT =	1900.05 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 : WFR
 UNIT WEIGHT : 1440/940 Kg/Cu.M
 BEARING CAPACITY : 62500 Kg/Sq.M
 ANGLE OF REPOSE : 20/10 Degrees
 WATER TABLE : 1.5M TO 3.0M FROM G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD

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

DESCRIPTION	DRG NO	SCALE
DRAWN BY		
CHECKED BY		
APPROVED BY		
	132KV-D/C-0-Fdn-WFR-47	SHEET NO 1-1
		REV. 0