

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	2490	34	0.617	52.235	208.94
B		10	1880	10	0.617	11.599	46.396
C		10	2714	18	0.617	30.141	120.564
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							844.209

TYPE OF TOWER : DB+3/6/9

TOWER SLOPE TAN ALPHA = 0.142771

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 59.444 Cu.M
CONCRETE (1:1.5:3)	= 10.296 Cu.M
CONCRETE (1:3:6)	= 1.342 Cu.M
REINFORCEMENT	= 844.209 Kgs.

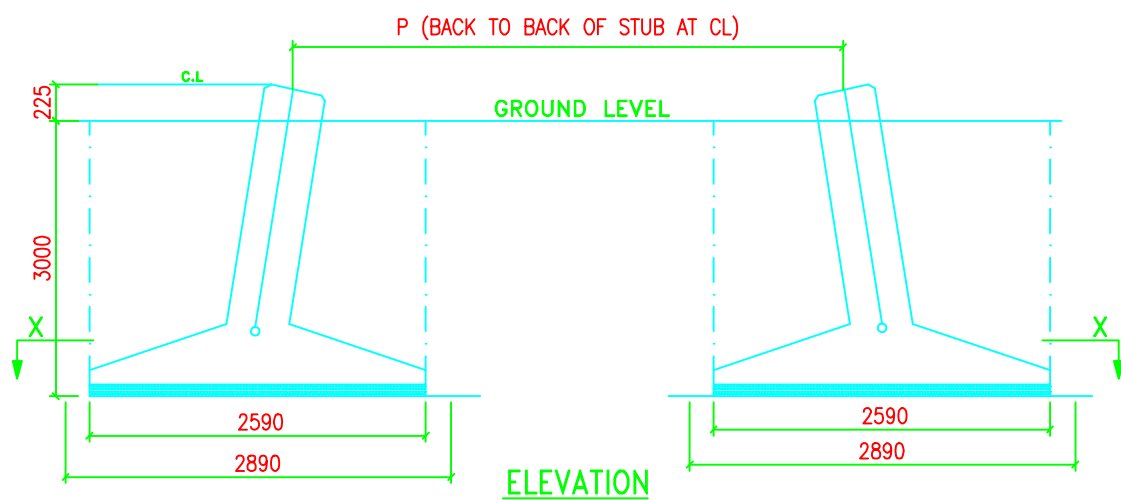
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+3M	HT 100*100*10	28.4	6914	7620	10776	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+6M	HT 100*100*10	28.4	7771	8477	11988	
+9M	HT 100*100*10	28.4	8627	9334	13200	

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 BELOW G.L



BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY	DESCRIPTION	132KV D/C "DB+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - DFR		SCALE
CHECKED BY	DRG NO	132KV-D/C-+3/6/9-Fdn-DFR-26	SHEET NO 1-1	REV. 0
APPROVED BY				