

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	2770	24	0.617	99.127	396.508
B		10	1332	6	0.617	6.574	26.296
C		10	2994	12	0.617	62.808	251.232
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							1142.345

TYPE OF TOWER : DB+3/6/9

TOWER SLOPE TAN ALPHA = 0.142771

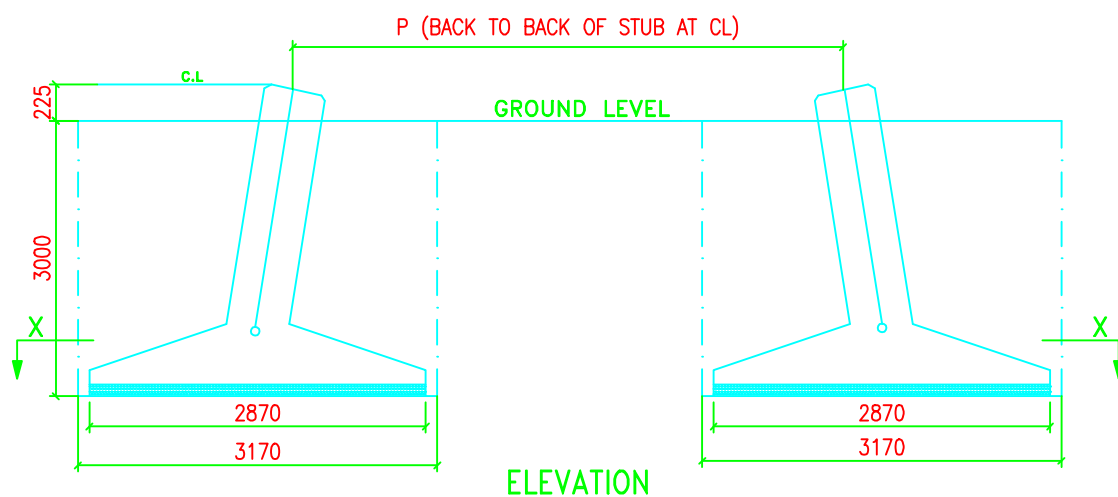
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+3M	HT 100*100*10	28.4	6914	7649	10817	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+6M	HT 100*100*10	28.4	7771	8506	12029	
+9M	HT 100*100*10	28.4	8627	9362	13240	

QUANTITIES/TOWER
EXCAVATION VOLUME = 120.587 Cu.M
CONCRETE ( 1:1.5:3 ) = 11.448 Cu.M
CONCRETE ( 1:3:6 ) = 1.647 Cu.M
REINFORCEMENT = 1142.345 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 : WET  
 UNIT WEIGHT : 1440/940 Kg/Cu.M  
 BEARING CAPACITY : 13675 Kg/Sq.M  
 ANGLE OF REPOSE : 30/15 Degrees  
 WATER TABLE : 1.5M TO 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 - WET		SCALE
CHECKED BY	DRG NO	132KV-D/C-+3/6/9-Fdn-Wet-22	SHEET NO 1-1	REV. 0
APPROVED BY				