

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 228.115 Cu.M
CONCRETE (1:1.5:3)	= 24.452 Cu.M
CONCRETE (1:3:6)	= 3.297 Cu.M
REINFORCEMENT	= 1900.591 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.

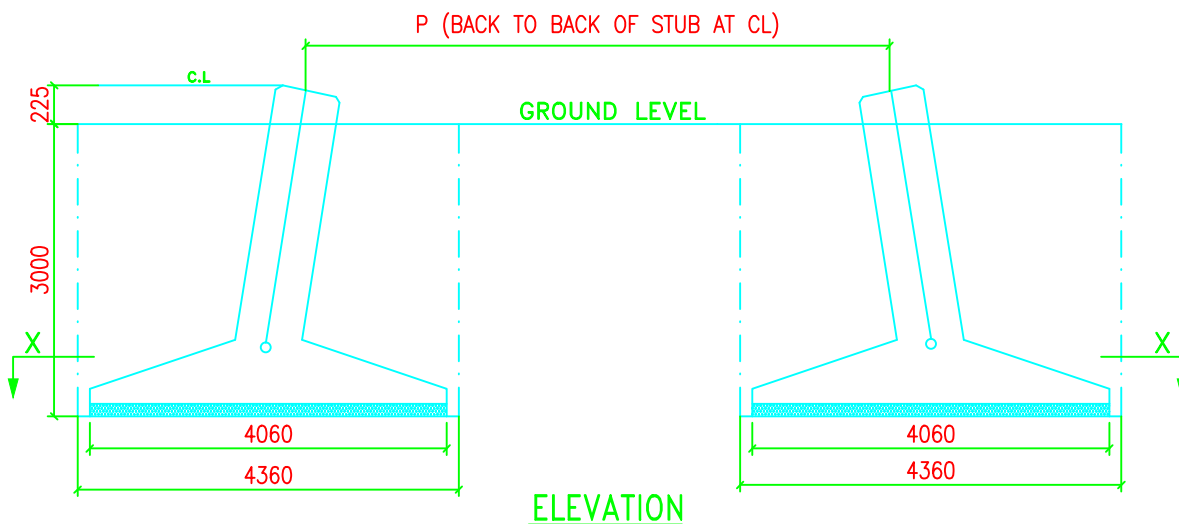
BAR BENDING SCHEDULE FOR FOUNDATION							
MARK No.	SHAPE OF THE BAR	DIA (mm)	LENGHT (mm)	Nos. Leg	Unit Wt. (Kg/m)	Wt./Leg. (Kg)	Wt./Tower (Kg)
A		12	3960	50	0.888	203.955	815.82
B		12	2388	12	0.888	29.687	118.748
C		12	4184	28	0.888	118.892	475.568
D		25	3350	8	3.854	103.287	413.148
E		8	2190	13	0.390	11.103	44.413
F		8	1622	13	0.390	8.223	32.894
TOTAL REINFORCEMENT							1900.591

TOWER SLOPE TAN ALPHA = 0.245256

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT130*130*10	35.9	12113	13351	18881	MS 110*110*8 NO. OF PAIRS 2 4 BOLTS/PAIR
+3M	HT130*130*10	35.9	13584	14823	20963	
+6M	HT130*130*10	35.9	15056	16294	23043	

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : PS
 UNIT WEIGHT : 1440/940 Kg/Cu.M
 BEARING CAPACITY : 13675 Kg/Sq.M
 ANGLE OF REPOSE : 30/15 Degrees
 WATER TABLE : 0.75M TO 1.5M BELOW G.L



BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	220KV D/C "DD+0/3/6" TOWER		SCALE
CHECKED BY			FOUNDATION DRAWING OF TYPE - PS		
APPROVED BY			DRG NO	220KV-D/C-+0/3/6-Fdn-PS-43	