

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 223.95 Cu.M
CONCRETE ( 1:1.5:3 )	= 21.91 Cu.M
CONCRETE ( 1:3:6 )	= 3.23 Cu.M
REINFORCEMENT	= 2021.55 Kgs.

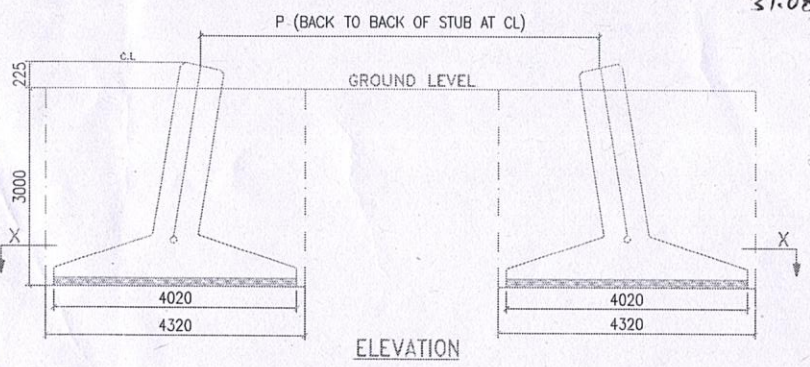
BAR BENDING SCHEDULE FOR FOUNDATION							
MARK No.	SHAPE OF THE BAR	DIA (mm)	LENGHT (mm)	Nos. Leg	Unit Wt. (Kg/m)	Wt./Leg. (Kg)	Wt./Tower (Kg)
A		12	3920	56	0.838	194.934	779.736
B		12	2274	14	0.838	28.270	113.080
C		12	4144	34	0.838	125.116	500.464
D		20	3350	16	2.466	132.178	528.712
		28	3350	4	4.834	64.773	259.100
E		8	1550	13	0.390	7.86	31.434
F		8	1138	13	0.390	5.77	23.10
G		8	1110	26	0.390	11.25	45.02
TOTAL REINFORCEMENT							2021.55

TYPE OF TOWER : DD+3/6/9 **2280.646**

TOWER SLOPE TAN ALPHA = 0.18403						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAR 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	

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.



*31.08.19* *31.08.2019* *31.8.19*

- NOTES:
- CONCRETE TO BE USED SHALL BE M20 (OR HIGHER) WITH LEAST LEAN CONCRETE MIX USED. GRADE WILL BE (M20/M25/M30)
  - WHYEVER NECESSARY TO CLEAR STUBS AND CLEAR STUBS AND STUBS ARE TO BE ADJUSTED AS PER
  - CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
  - FOR CLEAR AND STUB TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUB DRG.

BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY		DESCRIPTION	132KV D/C "DD+3/6/9" TOWER FOUNDATION DRAWING OF TYPE - PS	SCALE	-
CHECKED BY		DRG NO	132KV-D/C-1 3/6/9-Fdn-PS-43	SHEET NO	1-1
APPROVED BY				REV.	0