



BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NO./LEG	UNIT WEIGHT (KG/M)	WEIGHT PER LEG (KG.)	WEIGHT PER TOWER (KG.)
A		10	2250	38	0.617	76.200	304.800
B		10	1600	12	0.617	11.846	47.384
C		10	3474	24	0.617	51.443	205.772
D		20	3350	8	2.466	66.089	264.356
E		6	1550	11	0.222	3.785	15.140
F		6	1138	11	0.222	2.778	11.112
<b>TOTAL WEIGHT (kgs) = 848.564</b>							

EXCAVATION	= 106.93 m <sup>3</sup>
CONCRETE(1:1.5:3)	= 15.03 m <sup>3</sup>
CONCRETE(1:3:6)	= 2.24 m <sup>3</sup>
REINFORCEMENT	= 848.56 kgs

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0m	HT L 100'S	27.6	5480	5939	6399	NO 80'S
+3m	HT L 100'S	27.6	6053	6502	9195	NO. OF PAIRS 2 BOLT / PAIR
+6m	HT L 100'S	27.6	6598	7047	9986	

- NOTES:
- DRAWING NOT TO SCALE
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
  - REINFORCED BAR USED F<sub>6</sub> 600 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 GRADE M10 (NOMINAL MIX 1:3:6)
  - STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE WHENEVER NECESSARY TO CLEAR STUB AND CLEAT
  - CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
  - ALL 6mm BARS ARE NS BARS.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:  
 TYPE OF SOIL : SFR  
 UNIT WEIGHT: 1440 / 940 Kg/Cu.M  
 BEARING CAPACITY: 62500 kg/m<sup>2</sup>  
 ANGLE OF REPOSE 20 / 10 Degrees  
 WATER TABLE : 0 TO 1.5M FROM CL

FOR BIHAR STATE POWER TRANSMISSION COMPANY LTD.

DRAWN BY	DESCRIPTION	220KV D/C "DA+036" TOWER FOUNDATION DRAWING OF TYPE SFR
CHECKED BY		
APPROVED BY	DRG. NO.	220KV-D/C-+0/3/6-Fdn-SFR-18