

**BAR BENDING SCHEDULE FOR FOUNDATION**

BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NOS / 1% <sup>2</sup>	UNIT WEIGHT (KG/M)	WEIGHT PER 1% <sup>2</sup> (KG)	WEIGHT PER TOWER (KG)	
A		12	4620	50	0.888	205.128	820.512	
B		12	2724	20	0.888	48.378	193.512	
C		12	4844	32	0.888	137.647	550.588	
D		20	3350	12	2.466	99.133	396.532	
E		6	1550	11	0.222	3.785	15.140	
F		6	1210	22	0.222	5.909	23.634	
<b>TOTAL WEIGHT (kgs) = 1999.918</b>								

**QUANTITIES / TOWER**

EXCAVATION	=	227.54 m <sup>3</sup>
CONCRETE (1:1.5:3)	=	30.49 m <sup>3</sup>
CONCRETE (1:3:6)	=	4.46 m <sup>3</sup>
REINFORCEMENT	=	1999.92 kgs

- NOTES:**
- DRAWING NOT TO SCALE
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
  - REINFORCED BAR USED F<sub>e</sub> 500 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 MS BARS.

**TOWER SLOPE TAN ALPHA = 0.18403**

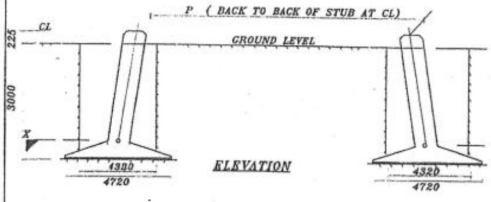
**EXCAVATION PLAN DETAILS**

LEVEL	STUB	CC OF STUB	P	M	N	CLEAT DETAILS
+3m	HT L 130*10	35.9	9177	10070	14241	NO 9*6
+6m	HT L 130*10	35.9	10281	11174	15803	NO. OF PAIRS 3
+9m	HT L 130*10	35.9	11386	12279	17365	BOLTS / PAIR-4

**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 Degree  
 WATER TABLE : 0 TO 0 M FROM CL

FOR  
**BIHAR STATE POWER TRANSMISSION COMPANY LTD.**



DRAWN BY		DESCRIPTION	<b>132KV D/C "DD+369" TOWER FOUNDATION DRAWING OF TYPE SFR</b>
CHECKED BY		DRG. NO.	<b>132KV-D/C-+3/6/9-Fdn-SFR-48</b>
APPROVED BY			