

**BAR BENDING SCHEDULE FOR FOUNDATION**

BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NO. OF	UNIT WEIGHT (KG/M)	WEIGHT PER LF. (KG.)	WEIGHT PER TOWER (KG.)
A		12	2520	34	0.888	76.084	304.336
B		12	1734	10	0.888	15.398	61.592
C		12	2785	16	0.888	39.569	158.276
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) =</b>							<b>959.510</b>

**QUANTITIES / TOWER**

EXCAVATION	=	102.32 m <sup>3</sup>
CONCRETE (1:1.5:3)	=	11.00 m <sup>3</sup>
CONCRETE (1:3:6)	=	1.37 m <sup>3</sup>
REINFORCEMENT	=	959.51 kgs

**TOWER SLOPE TAN ALPHA = 0.18403**

**EXCAVATION PLAN DETAILS**

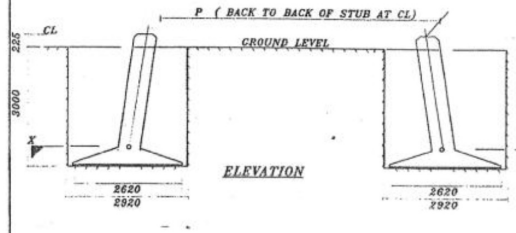
LEVEL	STUB	CC OF STUB	P	M	N	CLEAT DETAILS
+3m	HT L 130*10	35.9	9177	10089	14268	MS 80*4 NO. OF PAIRS 3
+6m	HT L 130*10	35.9	10281	11193	15829	BOLTS / PAIR-4
+9m	HT L 130*10	35.9	11386	12298	17391	

- NOTES:**
- DRAWING NOT TO SCALE
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
  - REINFORCED BAR USED Fe 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.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : DRY  
 UNIT WEIGHT: 1440 kg/Cu.M  
 BEARING CAPACITY: 27350 kg/m<sup>2</sup>  
 ANGLE OF REPOSE : 30 Degrees  
 WATER TABLE : 3 M FROM CL

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



DRAWN BY		DESCRIPTION	<b>132KV D/C "DD+369" TOWER FOUNDATION DRAWING OF TYPE DRY</b>
CHECKED BY		DRG. NO.	<b>132KV-D/C-+3/6/9-Fdn-Dry-41</b>
APPROVED BY			