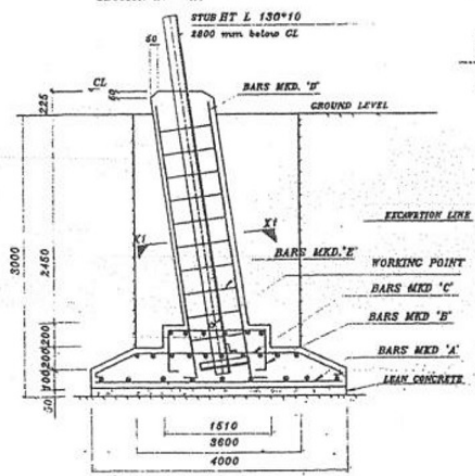


**BAR BENDING SCHEDULE FOR FOUNDATION**

BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NOS / LEC	UNIT WEIGHT (kg/m)	WEIGHT PER LEC (kg.)	WEIGHT PER TOWER (kg.)
A		12	3900	50	0.888	173.160	692.640
B		12	2374	16	0.888	33.730	134.920
C		12	4124	28	0.888	102.539	410.166
D		25	3350	8	3.853	103.260	413.040
E		8	2150	11	0.395	9.341	37.364
F		8	1562	11	0.395	6.786	27.144
<b>TOTAL WEIGHT (kgs) =</b>						<b>1715.264</b>	



**QUANTITIES / TOWER**

EXCAVATION	=	158.54 m <sup>3</sup>
CONCRETE(1:1.5:3)	=	23.64 m <sup>3</sup>
CONCRETE(1:3:6)	=	3.20 m <sup>3</sup>
REINFORCEMENT	=	1715.26 kgs

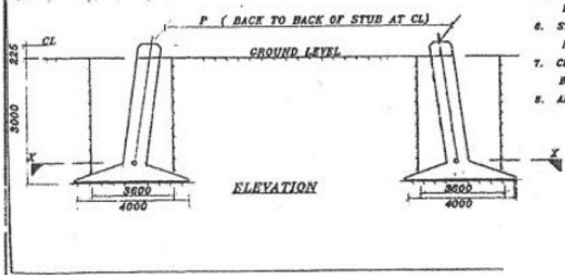
**TOWER SLOPE TAN ALPHA = 0.245256**

**EXCAVATION PLAN DETAILS**

LEVEL	STUB	CC OF STUB	P	M	N	CLEAR DETAILS
+0m	HT L 130*10	36.9	12113	13351	16881	SEE 100% DET. OF PLAN & SECTION / PART-4
+3m	HT L 130*10	36.9	13684	14822	20962	
+6m	HT L 130*10	35.8	16056	16224	23043	

- NOTES:**
1. DRAWING NOT TO SCALE
  2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
  3. REINFORCED BAR USED Fe 500 CONFORMING TO IS 1786-1985
  4. MIX PROPERTIES CONFORMING TO IS 456-2000
  5. CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3).
  6. LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6).
  7. STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE WHENEVER NECESSARY TO CLEAR STUB AND CLEAR
  8. CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
  9. ALL 6mm BARS ARE MS BARS.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:  
 TYPE OF SOIL : WFR  
 UNIT WEIGHT : 1440 / 940 Kg/Cu.M  
 BEARING CAPACITY : 62500 kg/m<sup>2</sup>  
 ANGLE OF REPOSE 20 / 10 Degree  
 WATER TABLE : 1.5 TO 3 M FROM CL



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

DRAWN BY	DESCRIPTION	220KV D/C "DD+036" TOWER FOUNDATION DRAWING OF TYPE WFR
CHECKED BY	DRG. NO.	220KV-DC-+0/3/6-Fdn-WFR-47
APPROVED BY		