



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	4220	10	4220	100	0.617	260.374	1041.496		
B	1800 270 100	10	2540	28	0.617	43.881	175.524		
C	3820 270 100	10	4444	32	0.617	87.742	350.968		
D	3000 350	25	3350	8	3.854	103.287	413.148		
E	360 83	8	1590	13	0.390	8.061	32.25		
F	262 262	8	1198	13	0.390	6.074	24.215		
<b>TOTAL REINFORCEMENT</b>							<b>2037.68</b>		

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 187.671 Cu.M
CONCRETE ( 1:1.5:3)	= 24.848 Cu.M
CONCRETE ( 1:3:6)	= 3.732 Cu.M
REINFORCEMENT	= 2037.681 Kgs.

TOWER SLOPE TAN ALPHA = 0.152107						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+3M	HT 110*110*10	30.9	7525	8246	11662	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR
+6M	HT 110*110*10	30.9	8438	9159	12953	
+9M	HT 110*110*10	30.9	9350	10071	14243	

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : SFR  
 UNIT WEIGHT : 1440/940 Kg/Cu.M  
 BEARING CAPACITY : 62500 Kg/Sq.M  
 ANGLE OF REPOSE : 10 Degrees  
 WATER TABLE : 0M TO 1.5M BELOW G.L

- NOTES:-**
- DRAWING NOT TO SCALE.
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED.
  - REINFORCED BAR USED Fe 415 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 USED GRADE M-10 (NOMINAL MIX 1:3:6)
  - WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
  - CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50MM UNLESS OTHERWISE SPECIFIED.
  - FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER RESPECTIVE STUB DRG.

**BIHAR STATE POWER TRANSMISSION COMPANY LTD**

DRAWN BY		DESCRIPTION	132KV D/C "DC+3/6/9" TOWER	SCALE	
CHECKED BY		FOUNDATION DRAWING OF TYPE - SFR			
APPROVED BY		DRG NO	132KV-D/C-+3/6/9-Fdn-SFR-38	SHEET NO	1-1
				REV.	0