



BAR BENDING SCHEDULE FOR FOUNDATION						
MARK No.	SHAPE OF THE BAR	DIA (mm)	LENGTH (mm)	Nos. Leg	Unit Wt. (kg/m)	Wt./Leg. (kg)
A		10	3470	78	0.617	166.997
B		10	2340	24	0.617	34.65
C		10	3694	24	0.617	54.7
D		25	3350	8	3.854	103.287
E		8	1590	13	0.390	8.061
F		8	1198	13	0.390	6.074
TOTAL REINFORCEMENT						24.215
TOTAL REINFORCEMENT						1495.081

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 123.261 Cu.M
CONCRETE ( 1:1.5:3)	= 17.699 Cu.M
CONCRETE ( 1:3:6)	= 2.549 Cu.M
REINFORCEMENT	= 1495.081 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 : WFR  
 UNIT WEIGHT : 1440/940 Kg/Cu.M  
 BEARING CAPACITY : 62500 Kg/Sq.M  
 ANGLE OF REPOSE : 20/10 Degrees  
 WATER TABLE : 1.5M TO 3.0M 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 - WFR			
APPROVED BY		DRG NO	132KV-D/C+3/6/9-Fdn-WFR-37	SHEET NO	1-1
				REV.	0