



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		12	3830	56	0.888	190.458
B		12	2244	14	0.888	27.897
C		12	4054	24	0.888	122.398
D		20	3350	8	2.466	132.177
E		8	1550	13	0.390	7.86
F		8	1138	13	0.390	5.77
G		8	1110	26	0.390	11.25
<b>TOTAL REINFORCEMENT</b>						<b>45.02</b>
						<b>1991.274</b>

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 152.49 Cu.M
CONCRETE ( 1:1.5:3)	= 21.01 Cu.M
CONCRETE ( 1:3:6)	= 3.09 Cu.M
REINFORCEMENT	= 1991.274 Kgs.

TOWER SLOPE TAN ALPHA = 0.18403					
LEVEL	STUB	CG OF STUB	P	M	N
+3M	HT 130*130*10	35.9	9917	10089	14268
+3M	HT 130*130*10	35.9	10281	11193	15829
+3M	HT 130*130*10	35.9	11386	12297	17391

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 FROM 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.

<b>BIHAR STATE POWER TRANSMISSION COMPANY LTD</b>	
<b>132KV D/C "DD+3/6/9" TOWER</b>	<b>FOUNDATION DRAWING OF TYPE - WFR</b>
DESCRIPTION	DRG NO
	132KV-D/C-+3/6/9-Fdn-WFR-47
SCALE	SHEET NO 1-1
	REV. 0