



BAR BENDING SCHEDULE FOR FOUNDATION						
MARK No.	SHAPE OF THE BAR	DIA (mm)	LENGHT (mm)	Nos. Leg	Unit Wt. (kg/m)	Wt./Leg. (kg)
A		10	2770	60	0.617	102.545
B		10	1840	16	0.617	18.164
C		10	2994	22	0.617	40.64
D		25	3350	8	3.854	103.287
E		8	1590	13	0.390	8.061
F		8	1198	13	0.390	6.074
<b>TOTAL REINFORCEMENT</b>						<b>24.215</b>
<b>TOTAL REINFORCEMENT</b>						<b>1115.09</b>

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 75.325 Cu.M
CONCRETE ( 1:1.5:3)	= 11.933 Cu.M
CONCRETE ( 1:3:6)	= 1.647 Cu.M
REINFORCEMENT	= 1115.090 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 : DFR  
 UNIT WEIGHT : 1440 Kg/Cu.M  
 BEARING CAPACITY : 62500 Kg/Sq.M  
 ANGLE OF REPOSE : 20 Degrees  
 WATER TABLE : 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 CHECKED BY APPROVED BY	<b>132KV D/C "DC+3/6/9" TOWER</b> <b>FOUNDATION DRAWING OF TYPE - DFR</b>	DRG NO <b>I32KV-D/C+3/6/9-Fdn-DFR-36</b>	SHEET NO 1-1	REV. 0
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