



BAR BENDING SCHEDULE FOR FOUNDATION							
BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NO. / LEG	UNIT WEIGHT (KG/M)	WEIGHT PER LEG (KG.)	WEIGHT FOR TOWER (KG.)
A		10	2200	56	0.617	26.014	304.056
B		10	1430	10	0.617	6.823	35.292
C		10	2424	20	0.617	29.912	119.648
D		20	3350	8	2.466	66.089	264.356
E		6	1550	11	0.222	3.785	15.140
F		6	1138	11	0.222	2.778	11.112
TOTAL WEIGHT (kgs) =						749.604	

QUANTITIES / TOWER	
EXCAVATION	= 81.12 m ³
CONCRETE(1:1.5:3)	= 8.13 m ³
CONCRETE(1:3:6)	= 1.06 m ³
REINFORCEMENT	= 749.60 kgs

- NOTES:
- DRAWING NOT TO SCALE
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 - REINFORCED BAR USED Fe 500 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 GRADE M10 (NOMINAL MIX 1:3:6)
 - STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE WHENEVER NECESSARY TO CLEAR STUB AND CLEAT
 - CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
 - ALL 6mm BARS ARE MS BARS.

TOWER SLOPE TAN ALPHA = 0.152107						
EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+3m	HT. L. 110*10	30.9	7525	8307	11748	MS 90°
+6m	HT. L. 110*10	30.9	8438	9219	13038	MS OF PAIR 2
+9m	HT. L. 110*10	30.9	9350	10132	14328	BOLETS / PAIR-4

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : DRY
 UNIT WEIGHT: 1448 Kg/Cu.M
 BEARING CAPACITY: 23350 Kg/m²
 ANGLE OF REPOSE : 30 Degree
 WATER TABLE : 3 M FROM GL

FOR: BIHAR STATE POWER TRANSMISSION COMPANY

DRAWN BY	DESCRIPTION
CHECKED BY	132KV D/C "DC +369" TOWER FOUNDATION DRAWING OF TYPE DRY
APPROVED BY	DRG. NO. 132KV-D/C-+3/6/9-Fdn-Dry-31