



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		10	1930	36	0.617	42.869	171.476
B		10	1440	10	0.617	8.884	35.536
C		10	2154	14	0.617	18.606	74.424
D		25	3350	8	3.854	103.287	413.148
E		8	1150	13	0.390	5.83	23.32
F		8	890	13	0.390	4.513	18.05
TOTAL REINFORCEMENT							735.954

QUANTITIES/TOWER	
EXCAVATION VOLUME	= 65.147 Cu.M
CONCRETE (1:1.5:3)	= 5.954 Cu.M
CONCRETE (1:3:6)	= 0.824 Cu.M
REINFORCEMENT	= 735.954 Kgs.

TYPE OF TOWER : DB+O

TOWER SLOPE TAN ALPHA = 0.142771						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0M	HT 100*100*10	28.4	6057	6792	9605	MS 90*90*6 NO. OF PAIRS 2 4 BOLTS/PAIR

- 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.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : DRY
 UNIT WEIGHT : 1440 Kg/Cu.M
 BEARING CAPACITY : 27350 Kg/Sq.M
 ANGLE OF REPOSE : 30 Degrees
 WATER TABLE : 3.0M BELOW G.L

BIHAR STATE POWER TRANSMISSION COMPANY LTD				
DRAWN BY		DESCRIPTION	132KV D/C "DB+O" TOWER FOUNDATION DRAWING OF TYPE - DRY	
CHECKED BY		DRG NO	132KV-D/C-0-Fdn-Dry-21	SHEET NO 1-1
APPROVED BY				REV. 0

SCALE -