



BAR BENDING SCHEDULE FOR FOUNDATION

BAR TYPE	SKETCH	BAR DIA (mm)	LENGTH (mm)	NOS./ LEC	UNIT WEIGHT (kg/m)	WEIGHT PER LEC (kg)	WEIGHT PER TOWER (kg)	
A		2400	10	2400	42	0.617	62.194	248.776
B		690 100	10	1460	10	0.617	9.008	36.032
C		2000	10	2624	18	0.617	29.142	116.568
D		350	25	3350	8	3.853	103.260	413.040
E		350	8	1550	11	0.395	6.734	26.936
F		350	8	1138	11	0.395	4.344	19.776
TOTAL WEIGHT (kg) =							861.128	

QUANTITIES / TOWER

EXCAVATION	=	54.74 m ³
CONCRETE (1:1.5:3)	=	9.24 m ³
CONCRETE (1:3:6)	=	1.25 m ³
REINFORCEMENT	=	861.13 kgs

TOWER SLOPE TAN ALPHA = 0.200461

EXCAVATION PLAN DETAILS

LEVEL	STUB	CC OF STUB	P	M	N	CLEAT DETAILS
+0m	HT L 110°	30.0	10296	11347	16047	NO 100°
+3m	HT L 110°	30.0	11517	12568	17774	NO. OF PAIRS 2
+6m	HT L 110°	30.0	12720	13771	19475	SOLETS / PAIR 4

- 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.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : DFR
 UNIT WEIGHT : 1440 Kg/Cu.M
 BEARING CAPACITY : 62500 kg/m²
 ANGLE OF REPOSE : 20 Degrees
 WATER TABLE : 3 M FROM CL

FOR BIHAR STATE POWER TRANSMISSION COMPANY LTD.

DRAWN BY	DESCRIPTION	220KV D/C "DB+036" TOWER FOUNDATION DRAWING OF TYPE DFR
CHECKED BY	DRG. NO.	
APPROVED BY		

220KV-D/C-+0/3/6-Fdn-DFR-26