

BAR BENDING SCHEDULE FOR FOUNDATION

BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NOS./LEG	UNIT WEIGHT (KG/M)	WEIGHT PER LEG (KG.)	WEIGHT PER TOWER (KG.)
A		12	4480	52	0.888	206.868	827.472
B		12	2424	16	0.888	34.440	137.760
C		12	4704	32	0.888	133.669	534.676
D		20	3350	16	2.466	132.178	528.712
E		6	1550	11	0.222	3.786	15.140
F		6	1138	11	0.222	2.778	11.112
C		6	1220	22	0.222	5.958	23.832
TOTAL WEIGHT (kgs) =						2078.704	

QUANTITIES / TOWER

EXCAVATION	=	213.15 m ³
CONCRETE (1:1.5:3)	=	27.86 m ³
CONCRETE (1:3:6)	=	4.20 m ³
REINFORCEMENT	=	2078.70 kgs

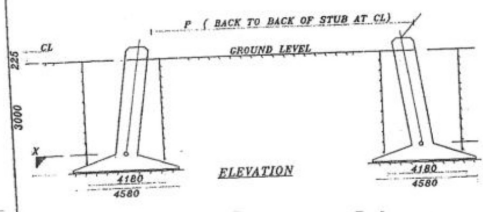
TOWER SLOPE TAN ALPHA = 0.18403

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0m	HT L 130*10	35.9	8078	8965	12706	MS 80*4 NO. OF PAIRS 3 BOLT / 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 : SFR
 UNIT WEIGHT: 1440 / 940 Kg/Cu.M
 BEARING CAPACITY: 62500 kg/m²
 ANGLE OF REPOSE 20 / 10 Degrees
 WATER TABLE : 0 TO 0 M FROM GL



FOR
BIHAR STATE POWER TRANSMISSION COMPANY LTD

DRAWN BY	DESCRIPTION
CHECKED BY	132KV D/C "DD +0" TOWER FOUNDATION DRAWING OF TYPE SFR
APPROVED BY	DRG. NO. 132KV-D/C-0-Fdn-SFR-48