

BAR TYPE	SECTION	BAR DIA. (mm)	LENGTH (mm)	NO. / LEG	UNIT WEIGHT (KG/M)	*WEIGHT PER LEG (KG.)	WEIGHT PER TOWER (KG.)
A	2000	10	2000	24	0.617	29.616	118.464
B	540 100	10	1310	8	0.617	6.466	25.864
C	1600 350	10	2224	14	0.617	19.211	76.844
D	350 3000	16	3350	8	1.578	42.290	169.160
E	250 250	6	1150	13	0.222	3.318	13.272
F	176	6	854	13	0.222	2.464	9.856
						TOTAL WEIGHT (kgs) =	413.460

EXCAVATION	=	36.18 m ³
CONCRETE(1:1.5:3)	=	6.19 m ³
CONCRETE(1:3:3)	=	0.88 m ³
REINFORCEMENT	=	413.46 kgs

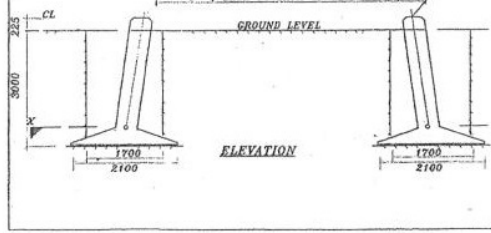
TOWER SLOPE TAN ALPHA = 0.09078

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+0m	HT L 100*8	27.6	5480	5939	8399	NO 8@ 50% NO. OF PAIRS & BOLTS / PAIR: 4
+3m	HT L 100*8	27.6	6053	6502	9195	
+6m	HT L 100*8	27.6	6598	7047	9966	

- NOTES:
- DRAWING NOT TO SCALE
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 - REINFORCED BAR USED F_y 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 Degree
 WATER TABLE : 3 M FROM CL

FOR
BIHAR STATE POWER TRANSMISSION CO. LTD



DRAWN BY	DESCRIPTION	220KV D/C "DA+036" TOWER FOUNDATION DRAWING OF TYPE DFR
CHECKED BY	DRG. NO.	220KV-D/C-+0/3/6-Fdn-DFR-16
APPROVED BY		