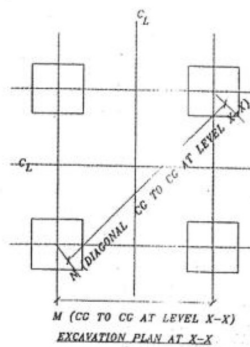


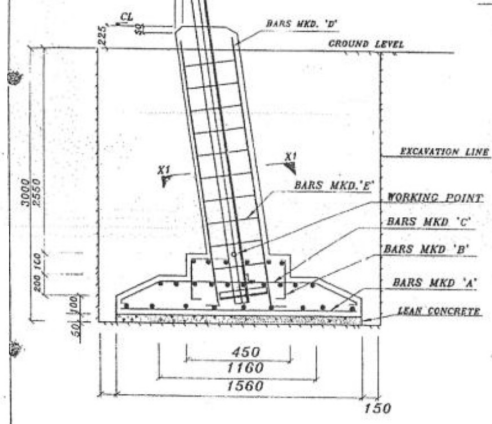
SECTION X1 - X1

STUB HT 90°90°, 2800 mm below CL



EXCAVATION PLAN AT X-X

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	1460	10	1460	18	0.617	16.214	64.856
B	350 270 100	10	1090	4	0.617	2.69	10.76
C	1060 210 100	10	1684	8	0.617	8.312	33.248
D	350 3000	20	3350	8	2.466	66.088	264.352
E	250 250	6	1150	13	0.222	3.318	13.272
F	183 183	6	882	13	0.222	2.545	10.180
					TOTAL WEIGHT (kgs) = 396.668		



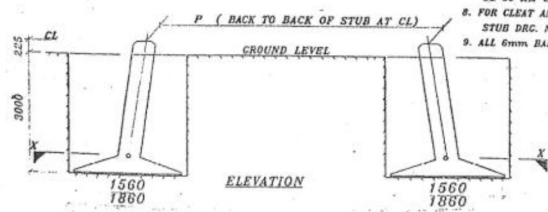
QUANTITIES / TOWER	
EXCAVATION	= 41.515 m <sup>3</sup>
CONCRETE (1:1.5:3)	= 3.905 m <sup>3</sup>
CONCRETE (1:3:6)	= 0.487 m <sup>3</sup>
REINFORCEMENT	= 396.668 kgs

- NOTES:
- DRAWING NOT TO SCALE
  - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
  - REINFORCED BAR USED Fe 560 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).
  - 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 50 MM UNLESS OTHERWISE SPECIFIED
  - FOR CLEAT AND STUB TEMPLATE DETAIL STUB DRC. NO. SCENCC-TL1421010
  - ALL 6mm BARS ARE NS BARS.

TYPE OF TOWER : DA + 0  
TOWER SLOPE TAN ALPHA = 0.09760541

EXCAVATION PLAN DETAILS						
LEVEL	STUB	CC OF STUB	P	M	N	CLEAT DETAILS
+0m	HT 90X90XG	24.2	4548	5041	7129	NS 80x80x6 NO. OF PAIRS: 2 3. SLOTTED / PAIR

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:  
TYPE OF SOIL : DRY  
UNIT WEIGHT: 1440 kg/m<sup>3</sup>  
BEARING CAPACITY: 27350 kg/m<sup>2</sup>  
ANGLE OF REPOSE : 30 DEGREES  
WATER TABLE : 3.0 m BELOW G.L.



ELEVATION

FOR BIHAR STATE POWER TRANSMISSION COMPANY LTD.

DESIGNED BY	DESCRIPTION
CHECKED BY	132KV D/C "DA +0" TOWER FOUNDATION DRAWING OF TYPE DRY
APPROVED BY	DRG. NO. 132KV-D/C-0-Fdn-Dry-11