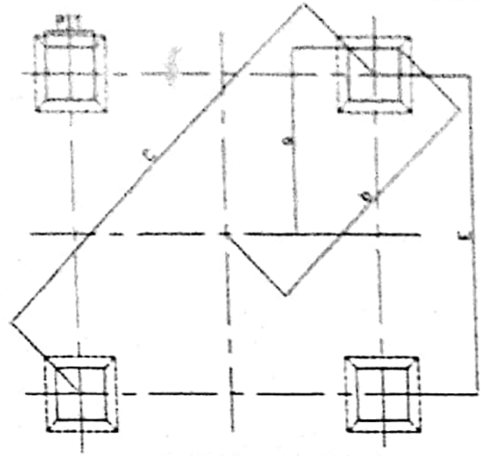


PIT MARKING DIAGRAM

DETAIL		NT.	+3.0M	+6.0M
EXCAVATION C/C	C	7986 ✓	8798 ✓	9611 ✓
EXCAVATION DIAGONAL	C	11294 ✓	12443 ✓	13592 ✓
DIMENSION	a	4743	5149	5556
DIMENSION	b	6707	7292	7587

FOUNATION DETAIL									
H	H1	H2	H3	H4	H5	B	B1	B2	B3
3000	75	100	150	200	2475	1800	1500	800	350

REINFORCEMENT DETAIL

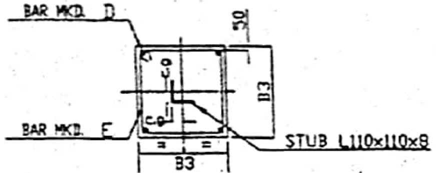
BAR MKD	DETAIL OF BAR	DIA mm	a mm	b mm	TOTAL LG mm	WT./BAR kg	NO OF BAR/LEG	TOTAL /TOWER
A	a	10#	1700	0	1700	1.05	14	58.69
B	a, 100, b	8#	1400	141	1883	0.74	16	47.55
C	a, 100, b	8#	700	300	1500	0.59	10	23.68
D	b, a	12#	3037	300	3337	2.97	4	47.41
E	b, a	6#	250	250	1192	0.26	14	14.82
							TOTAL=	192.14

SAY 193 kgs

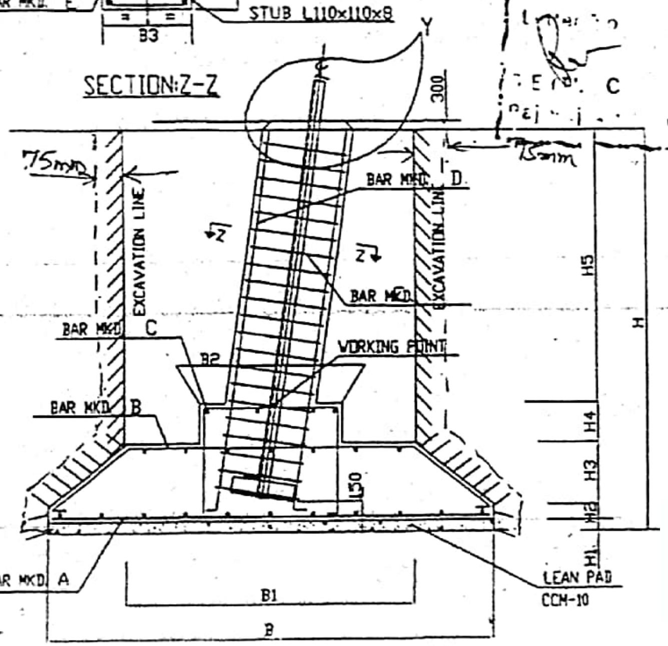
33.74m³

QUANTITIES / TOWER		
EXCAVATION VOLUME	=	27.98 m³
CONCRETE(M15)	=	4.81 m³
CONCRETE(M10)	=	0.97 m³
REINFORCEMENT QTY.	=	193 KG

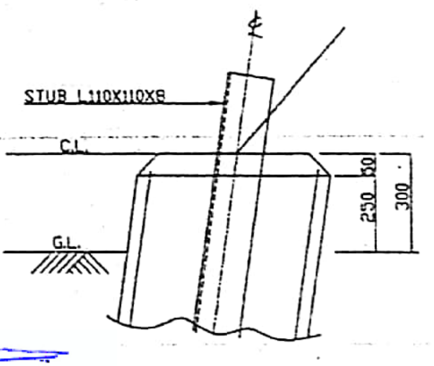
TOWER SLOPES		
TAN(BETA)	=	0.135453
2TAN(BETA)	=	0.270906



SECTION:Z-Z



GENERALLY APPROVED
Subj... observations vid...
Letter No...
Date
...EE... ...XEN (TL) AEN...
Rajasthan Nig...
Aggarwal



DETAIL AT Y

RAJEEV KUMAR
EXECUTIVE ENGINEER
T&C RVPN, KOTA

GENERAL NOTES
1. ALL DIMENSIONS ARE IN MM
2. ALL THE FOUR LEGS SHALL HAVE SAME FOUNDATION.
3. REINFORCEMENT BAR MARKED # (TOR STEEL) SHALL CONFORMS TO IS1786 GRADE Fe415 & REINFORCEMENT BAR MARKED # (PLAIN) CONFORMS TO IS1139
4. CONCRETE SHALL BE OF M15 GRADE
5. LEAN CONCRETE SHALL BE M10 GRADE

HU-139

Hyundai Unitech
Electrical Transmission Limited

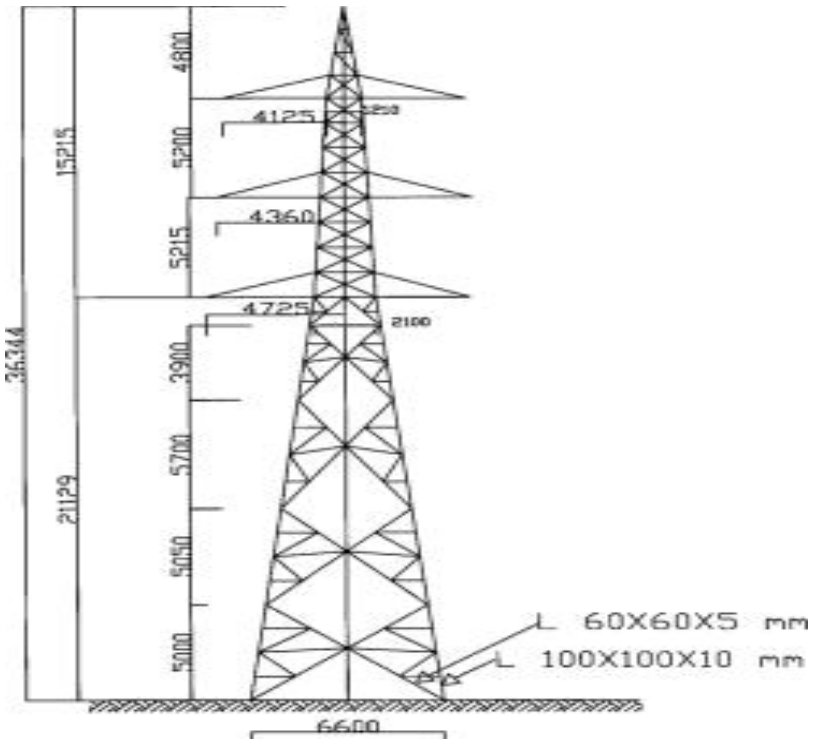
CLIENT	R. R. V. P. N. L
SPEC.NO.	TN2507
PROJECT	220KV D/C TRANS LINE
TITLE	FOUNDATION DRAWING FOR TOWER TYPE "A" EXTENSION ±0M, +3M, +6M SOIL TYPE - SOFT ROCK

SCALE-	DRAWN BY	CHECKED BY	APPROVED BY
NTS			
	DRG.NO. HU139/DET/220A/TN2/004		

	First issued		
REV.No.	REVISION	DATE	SIGN

Note:- Excavation Volume have been calculated assuming 75mm extra clearance on all sides.

220 KV D/C A



220 KV D/C TOWER

Details as per requirement of Para 4 of the questionnaire for PTCC case approval of the Proposed route of 220 KV D/C Jhalawar – Chhabra line.

Earth wire: - Galvanized stranded Steel wire size 7/3.15 mm of 110 Kg/mm quality one on each tower
Over all dia 12mm

INSULATOR: - 25.4cm dia spaced at 14.6cm conventional ball and socket type number of disc is

1. Suspension string- 13
2. Tension string- 14

CONDUCTOR: - 6 No's being D/C ACSR Aluminum area= 428mm
No of wires Aluminum= 54/3.15mm
Steel = 7/3.12mm CODE: - ZEBRA

TOWERS: - Lattice type fabricated steel galvanized angle section assembled by GI Nuts & Bolts

FACTORS OF SAFETY: - Normal condition- 2.0
Broken Wire- 1.5

RAJEEV KUMAR
EXECUTIVE ENGINEER
T&C RVPN, KOTA