

000017

BAR TYPE	DEPTH	BAR DIA (mm)	LINK (mm)	NO. OF BARS	UNIT WEIGHT (kg/m)	WEIGHT PER SET (kg)	WEIGHT PER TOWER (kg)
A	6256	16	6000	50	1.578	477.35	1309.35
BX	1750	12	2000	22	0.885	83.49	353.24
B	3600	12	4500	36	0.885	145.01	580.03
C	5650	12	6274	40	0.885	222.85	891.41
D	3500	20	3350	4	2.466	33.044	132.17
	5000	25	3350	4	3.950	51.724	206.89
E	500	8	2150	11	0.335	9.34	37.37
F	500	8	1565	11	0.335	6.80	27.27
TOTAL REINFORCEMENT(kg)						1029.6	4118.8

The given drawing stands approved for structural details only and the quantities indicated in this

TOWER SLOPE TAN ALPHA = 0.27267

EXCAVATION PLAN DETAILS					
LEVEL	STUB	CG OF STUB	P	M	N
18	HT L 180*16	50.3	27469	28654	40536
25	HT L 180*16	50.3	31286	32481	45935

QUANTITIES / TOWER		
EXCAVATION	499.23	m ³
CONCRETE(1:1.5:3)	61.94	m ³
CONCRETE(1:3:6)	7.56	m ³
REINFORCEMENT	4118.84	kg

- NOTES:
- DRAWING NOT TO SCALE
 - ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
 - REINFORCED BAR USED F₈ 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)
 - 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 DETAILS PLEASE REFER STUB DRG.
 - STUB SETTING/PROP SETTING TEMPLATE HAS TO BE USED IN EACH LOCATION OF TOWER.
 - AT SITE PROPER COMPACTION OF BACK FILLED EARTH MUST BE DONE

SOIL PARAMETERS	
TYPE OF SOIL	PS
UNIT WEIGHT	1440 / 940 Kg/Cu.M
BEARING CAPACITY	12500 kg/m ²
ANGLE OF REPOSE	30 / 15 Degrees
WATER TABLE	0.75 TO 1.5 M FROM CL

Date: 12/09/2022

☒ अनुमोदित/APPROVED

☐ मूल के साथ अनुमोदित

☐ Approved With Correction

Checked by: [Signature]

Approved by: [Signature]

अभियंता एवं परामर्श एंजिनिंग

Design & Consultancy Cell

राज्य विद्युत निगम परीक्षण स्टेशन

यंत्रणा एवं नियंत्रण विभाग

Mechanics Engineering Division

केंद्र: वि. वि. अनुसंधान संस्थान

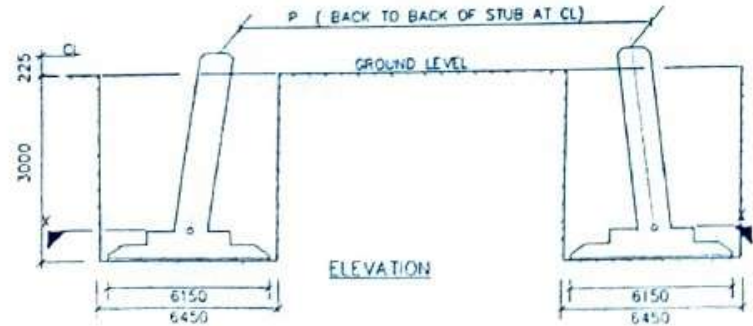
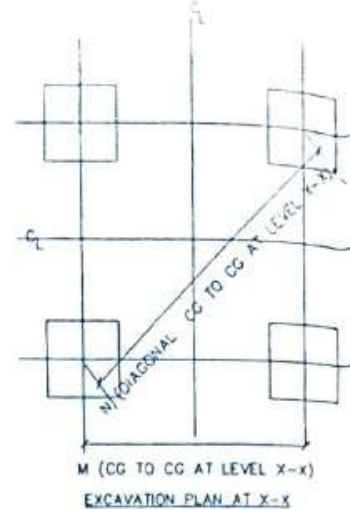
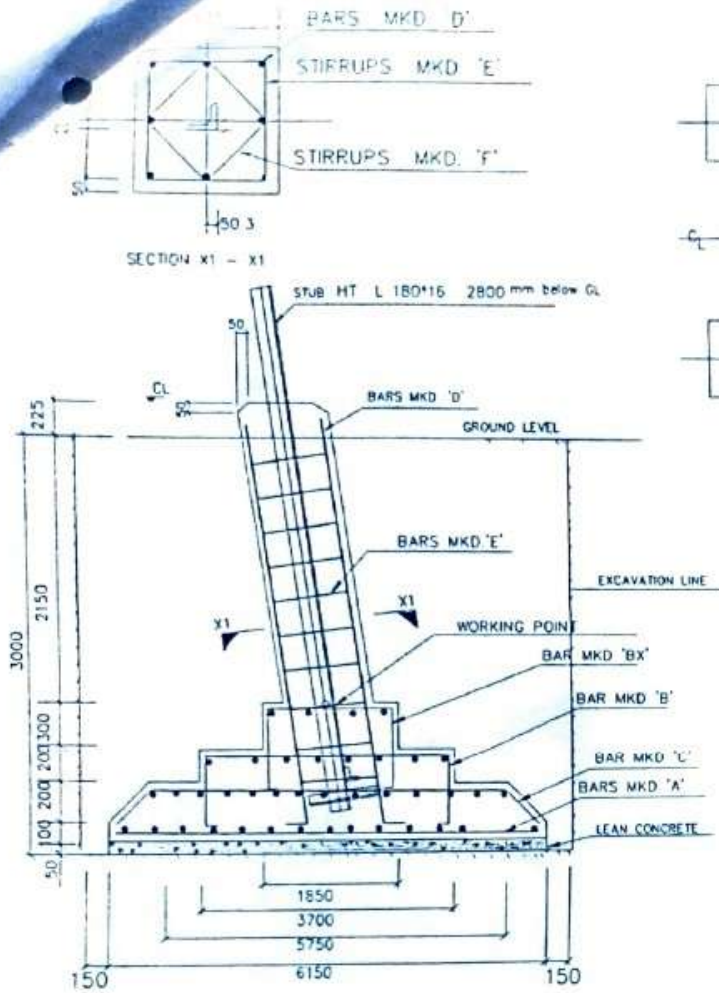
Central Power Research Institute

BIHAR STATE POWER TRANSMISSION COMPANY LTD. (BSP.TCL)

TITLE : FOUNDATION DRAWING OF TT 4DD (NT+18/+25) EXTENSION & SOIL TYPE- PS

DWG. NO. CD DD(NT+18/+25) PSSOIL 22(iii)(d)

SCALE : NTS SHEET 01 OF 01



Amresh Kumar
28/09/22
A.E. (C), B.S.P.T.C.L.

28.9.22
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