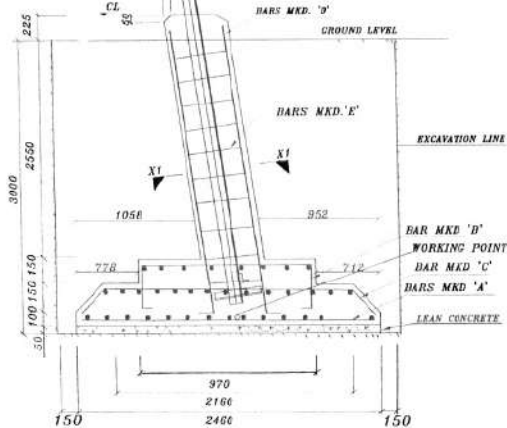


SECTION X1 - X1
STUB HT 1.90*7 2800 mm below CL



EXCAVATION PLAN AT X-X

QUANTITIES / TOWER		
EXCAVATION	91.41	m ³
CONCRETE(1:1.5:3)	8.44	m ³
CONCRETE(1:1.5:6)	1.21	m ³
REINFORCEMENT	576.11	kg

NOTES:

1. DRAWING NOT TO SCALE
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
3. REINFORCED BAR USED Fe 500 CONFORMING TO IS 1786-1985
4. MIX PROPERTIES CONFORMING TO IS 456-2000
5. CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3), LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6).
6. WHATEVER NECESSARY TO CLEAR STUB AND CLEAT
7. STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
8. CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 60 MM UNLESS OTHERWISE SPECIFIED
9. FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER STUB DRG.
10. STUB SETTING/PROP SETTING TEMPLATE HAS TO BE USED EACH LOCATION OF TOWER.
11. AT SITE PROPER COMPACTION OF BACK FILLED EARTH MUST BE

SOIL PARAMETERS:

TYPE OF SOIL :	WET
UNIT WEIGHT :	1440 / 940 Kg/Cu.M
BEARING CAPACITY :	12500 kg/m ²
ANGLE OF REPOSE :	30 / 15 Degrees
WATER TABLE :	1.5 TO 3 m below CL

BAR BENDING SCHEDULE FOR FOUNDATION

BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NO. / LAG	UNIT WEIGHT (KG/m)	WEIGHT PER LEG (KG)	WEIGHT PER TOWER (KG)
A		10	2360	26	0.617	37.86	151.44
B		10	1630	12	0.617	12.07	48.28
C		10	2542	18	0.617	28.23	112.92
D		16	3350	4	1.578	21.15	84.58
E		20	3350	4	2.466	33.04	132.16
F		8	1550	11	0.395	6.74	26.94
		8	1138	11	0.395	4.95	19.78
TOTAL REINFORCEMENT(Kg)						144.03	576.11

TOWER SLOPE TAN ALPHA = 0.13220

EXCAVATION PLAN DETAILS					
LEVEL	TOUR	C.G. OF TOUR	M	N	H
+3M	HT10X90X7	24.7	7093	8277	11705
+4M	HT10X90X7	34.7	8064	9070	12827
+5M	HT10X90X7	24.7	7179	8813	13949

29.03.23
KUMAR ANAND
EE (CIVIL)
BSPTCL

23.03.23
Kumar Chaitanya
PE (C), BSPTCL

Date: 17/03/2023

☒ APPROVED

☐ Approved With Correction

Checked by:

Approved by:

Design & Consultancy Cell
Bihar State Power Transmission Corporation

BIHAR STATE POWER TRANSMISSION COMPANY LTD. (BSPTCL)

TITLE :- 220 KV D/C SINGLE ZEBRA WZ-4 "DA" MKD "2SDA" (0⁰-2⁰)
FOUNDATION DRAWING OF TTA DA (NT+3/+6/+9) EQUAL LEG & SOIL TYPE -WET SOIL

DWG. NO. : CD_DA(NT+3/+6/+9)_WETSOIL

SCALE :- NTS SHEET : 01 OF 01