

000018

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		10	2310	40	0.617	57.01	228.04
B		10	1800	16	0.617	17.77	71.08
C		10	2534	42	0.617	65.67	262.66
D		20	3565	8	2.466	70.33	281.32
E		8	1750	11	0.395	7.60	30.42
F		8	1282	11	0.395	5.57	22.28

TOTAL REINFORCEMENT(Kg)

223.95 895.80

TOWER SLOPE TAN ALPHA = 0.26705

EXCAVATION PLAN DETAILS

LEVEL	STUB	CG OF STUB	P	M	N
0	HT L 130*10	35.8	13071	14439	20420
3	HT L 130*10	35.8	14674	16042	22686
6	HT L 130*10	35.8	16276	17644	24952
9	HT L 130*10	35.8	17878	19246	27218

QUANTITIES / TOWER

EXCAVATION	=	88.13	m ³
CONCRETE(1:1.5:3)	=	9.63	m ³
CONCRETE(1:3:6)	=	1.16	m ³
REINFORCEMENT	=	895.80	kgs

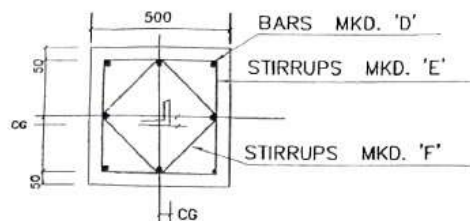
Qty shall be as per actual count & measurement at site.

NOTES:

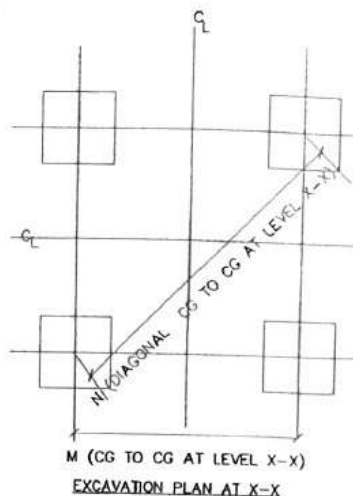
- DRAWING NOT TO SCALE
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
- REINFORCED BAR USED Fe 500 CONFORMING TO IS 1786-1985
- MIX PROPERTIES CONFORMING TO IS 456-2000
- CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3), LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6).
- WHENEVER NECESSARY TO CLEAR 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 :	DRY
UNIT WEIGHT:	1440 Kg/Cu.M
BEARING CAPACITY:	25000 kg/m ²
ANGLE OF REPOSE :	30 Degrees
WATER TABLE :	3 M FROM GL

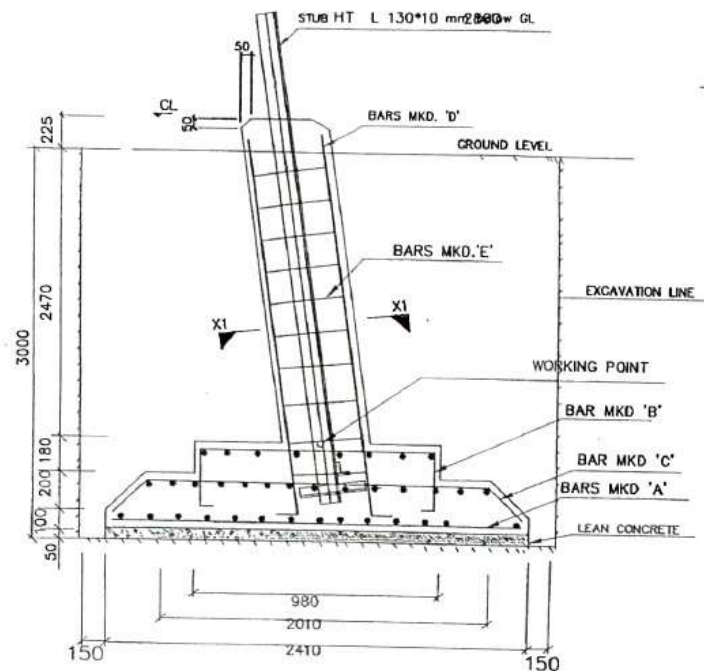


SECTION X1 - X1



M (CG TO CG AT LEVEL X-X)

EXCAVATION PLAN AT X-X



ELEVATION

Kumar
06.06.22
(Vinay Kumar.)
AE (C), B.S.P.T.C.L.

2410
2710

Kumar
06.06.22
KUMAR ANAND
EE (CIVIL)
BSPCL

BIHAR STATE POWER TRANSMISSION COMPANY LTD. (BSPCL)

TITLE : 220 KV D/C TWIN MOOSE "DB" MKD 2 "TB" (0°-2°)
FOUNDATION DRAWING OF TT DB (NT+0/+3/+6/+9 EQUAL LEG &
SOIL TYPE DRY

DWG. NO.

CD_DB(NT+0/+3/+6/+9)_DRY SOIL_22(ii)(b)

SCALE :- NTS

SHEET - 01 OF 1