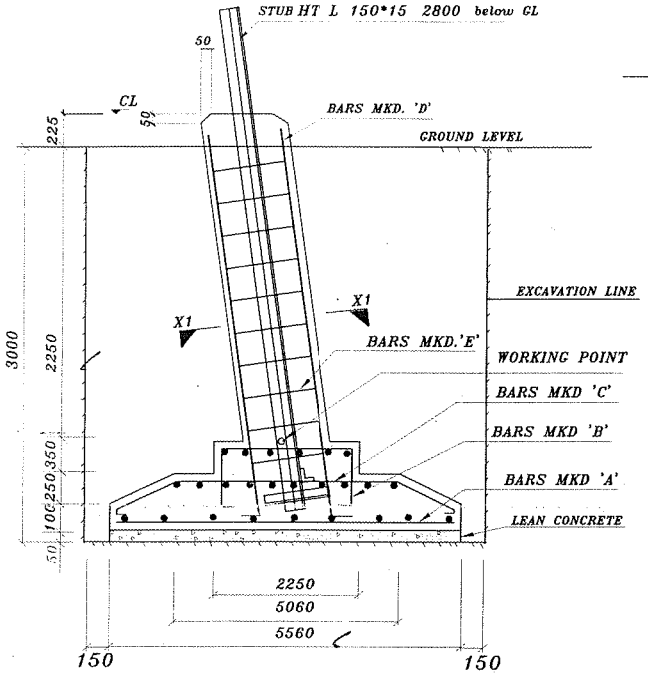
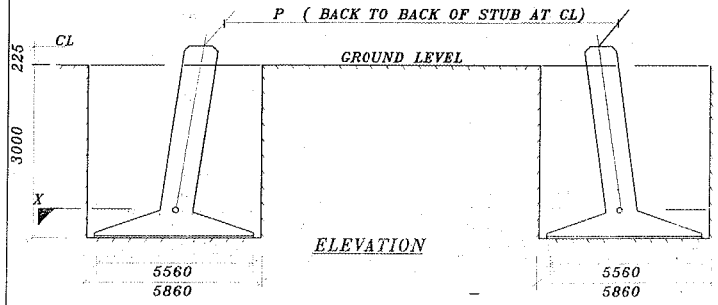
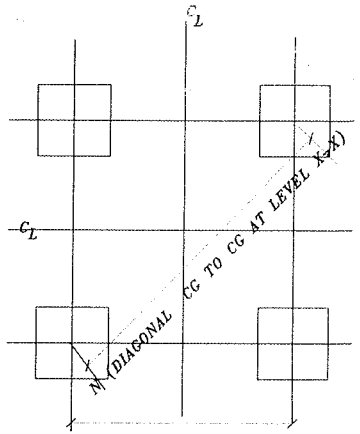


SECTION X1 – X1





ELEVATION



M (CG TO CG AT LEVEL X–X)

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	5460	12	5460	74	0.888	358.788	1435.152
B	582, 2150, 100	12	3514	32	0.888	99.854	399.416
C	282, 4960, 100	12	5725	40	0.888	203.352	813.408
D	3000, 350	25	3350	12	3.853	154.891	619.564
E	500, 500	8	2150	11	0.395	9.341	37.364
F	183, 500	8	1516	22	0.395	13.174	52.696

TOTAL WEIGHT (kgs) = 3357.600

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THIS DRAWING IS ALSO TO BE USED FOR TOWER PACKAGE-A8 FOR GOMTI RIVER-NIDHAURA VILLAGE PORTION OF ±800KV HVDC BIPOLE BISWANATH CHARIYALI-AGRA TRANSMISSION LINE ASSOCIATED WITH NORTH-EAST/NORTHERN-WESTERN INTERCONNECTOR-I PROJECT AGAINST SPECN. NO. C-61915-L095A-7

QUANTITIES / TOWER

EXCAVATION	=	412.08 m3
CONCRETE(1:1.5:3)	=	51.23 m3
CONCRETE(1:3:6)	=	6.18 m3
REINFORCEMENT	=	3357.60 kgs

TOWER SLOPE TAN ALPHA = 0.12754

EXCAVATION PLAN DETAILS

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
1.5m	HT L 150*15	42.5	14668	15213	21515	HT 90*6
3.0m	HT L 150*15	42.5	15050	15596	22056	NO. OF PAIRS: 3
4.5m	HT L 150*15	42.5	15433	15978	22597	
6m	HT L 150*15	42.5	15815	16361	23138	BOLTS/16ø PAIR- A
7.5m	HT L 150*15	42.5	16198	16744	23679	
9m	HT L 150*15	42.5	16581	17126	24220	

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. WHENEVER NECESSARY TO CLEAR STUB AND CLEAT STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE.
7. CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
8. FOR CLEAT AND STUB TEMPLATE DETAILS PLEASE REFER STUB DRG. NO. CC:ENGG-TL:8411029
9. ALL 6mm BARS ARE MS BARS.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : FS
UNIT WEIGHT: 1440 / 940 Kg/Cu.M
BEARING CAPACITY: 13675 kg/m2
ANGLE OF REPOSE 30 / 15 Degrees
WATER TABLE : 0 TO 0.75 M FROM GL

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REVISION					CLEARED BY	
					(AGM-TL)	GM (ENGG-TL)
REV. No	DESCRIPTION	ISSUED BY	DCDE	CDE		
			CLEARED BY	DATE	DESIGN	CHKD. CDE (ENGG-TL) DGM (ENGG-TL)

TITLE: CONSTRUCTION DRG. OF FOUNDATION
PROJECT: LOWER SABABANSIRI TRANSMISSION 800 KV HVDC BISWANATH-CHARIYALE TO AGRA TL
TOWER TYPE A+1.5 TO 9 M LEG EXTEN
FOUNDATION TYPE : FS(NORMAL)
WZ-4(RULING SPAN 450 M) & WZ-5 (RULING SPAN-400 M)

SCALE N.T.S. | DRAWING NO:CC:ENGG:TL: 8411466 | REV. 0