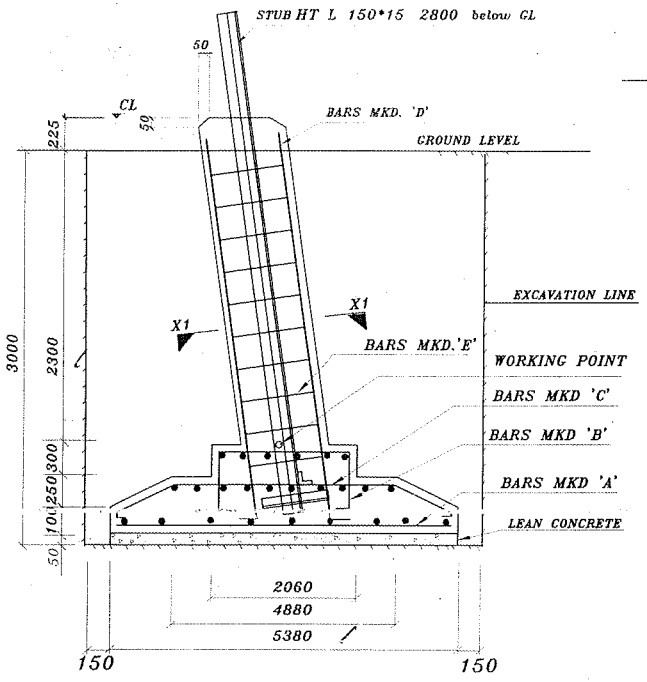
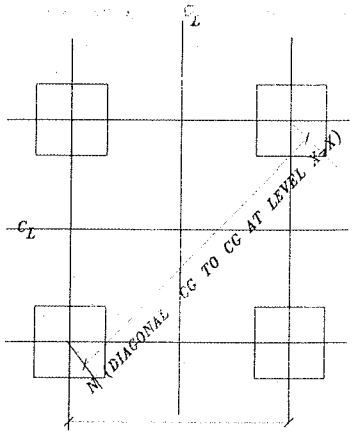


SECTION X1 – X1





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	5280	12	5280	72	0.888	337.582	1350.328
B	532, 1960, 100	12	3224	28	0.888	80.162	320.648
C	282, 100, 4780	12	5545	40	0.888	196.958	787.832
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) = 3168.432

WO A48 / A49
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

TOWER SLOPE TAN ALPHA = 0.12754

EXCAVATION PLAN DETAILS

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
-4.5m	HT L 150*15	42.5	13137	13696	19368	HT 90*6
-3.0m	HT L 150*15	42.5	13520	14078	19910	NO. OF PAIRS: 3
-1.5m	HT L 150*15	42.5	13902	14461	20451	BOLTS/16ϕ PAIR: 4
±0.0m	HT L 150*15	42.5	14285	14843	20992	

QUANTITIES / TOWER

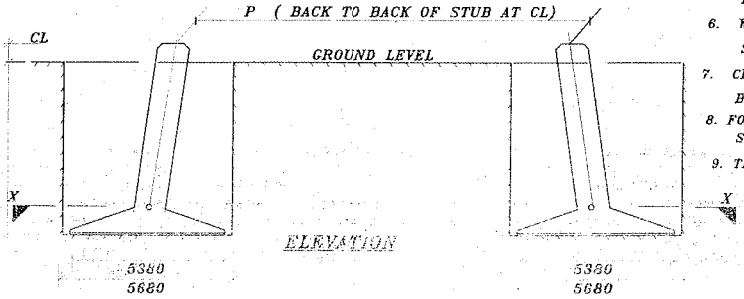
EXCAVATION =	387.15 m3
CONCRETE(1:1.5:3)=	46.64 m3
CONCRETE(1:3:6) =	5.79 m3
REINFORCEMENT =	3168.43 kgs

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. THIS DRAWING IS NOT SUITABLE FOR UNEQUAL LEG EXTENSIONS WO A48/A49

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			TITLE: CONSTRUCTION DRG. OF FOUNDATION
					AGM (ENGG-TL)		CM (ENGG-TL)	PROJECT: LOWER SABANSIRI TRANSMISSION 800 KV HVDC BISWANATH-CHARIYALI TO AGRA TL
REV. No	DESCRIPTION	ISSUED BY	DCDE	CDE	CLEARED BY	DATE	DESIGN	CHKD
								TOWER TYPE : A-4.5 TO 0 M LEG EXTEN FOUNDATION TYPE : FS WZ-4(RULING SPAN 460 M) & WZ-5 (RULING SPAN-400 M)
								SCALE N.T.S.
								DRAWING NO:CC:ENGG:TL: 8411465 REV. 0