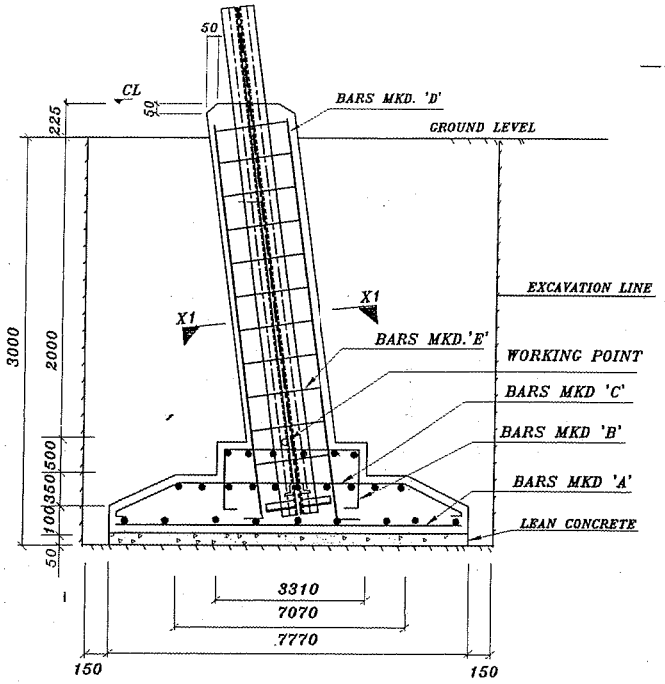
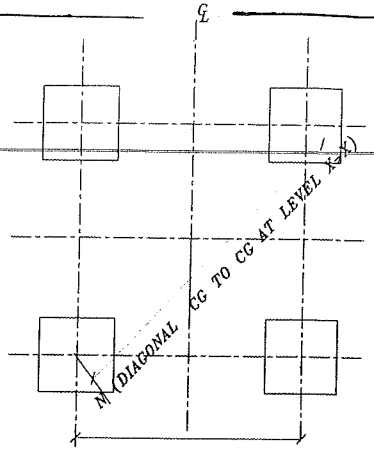


SECTION X1 – X1





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	7670	16	7670	106	1.578	1282.946	5131.784
B	826, 3210, 100	16	5062	36	1.578	287.562	1150.248
C	424, 6970, 100	16	8018	48	1.578	607.315	2429.260
D	3000, 350	32	3350	12	6.313	253.783	1015.132
E	850, 850	8	3550	11	0.395	15.424	61.696
F	425, 850	8	2700	22	0.395	23.463	93.852

TOTAL WEIGHT (kgs) = 9881.972

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

POWERGRID, Corporate Centre (Engg-TL) Gurgaon
26 JUL 2010
RELEASED FOR CONSTRUCTION
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QUANTITIES / TOWER

EXCAVATION	=	781.50 m3
CONCRETE(1:1.5:3)	=	131.23 m3
CONCRETE(1:3:6)	=	12.07 m3
REINFORCEMENT	=	9881.97 kgs

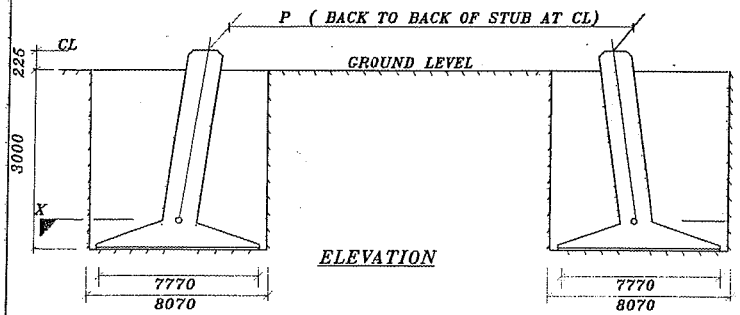
TOWER SLOPE TAN ALPHA = 0.33445

EXCAVATION PLAN DETAILS

LEVEL	STUB	CG OF STUB	P	M	N	CLEAT DETAILS
+18M	HT S 200*16	0.0	35167	36671	51861	MS 120*10 NO. OF PAIRS 4 BOLTS / PAIR: 3 24ø BOLTS
+25M	HT S 200*16	0.0	39849	41353	58481	

NOTES:

1. DRAWING NOT TO SCALE
2. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
3. REINFORCED BAR USED Fe 415 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..



ELEVATION

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL :	FS
UNIT WEIGHT:	1440 / 940 Kg/Cu.M
BEARING CAPACITY:	10000 kg/m2
ANGLE OF REPOSE	30 / 15 Degrees
WATER TABLE :	0 TO 0.75 M FROM CL

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WOA48/A49

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REVISION					CLEARED BY			
						23/7/10	23/7/10	
					DGM (ENGG-TL)	AGM (ENGG-TL)	GM (ENGG-TL)	
REV. No	DESCRIPTION	ISSUED BY	DCDE / CDE					
			CLEARED BY		DATE	DESIGN	CHKD.	CDE (ENGG-TL)
					21/07/10			

PROJECT: ± 800KV BIPOLE BISWANATH CHARIYALI – AGRA TRANSMISSION LINE (WZ 4, 450 M SPAN)

TITLE: CONSTRUCTION DRG. OF FOUNDATION
TOWER TYPE : D+18/25 M EXTN.
FOUNDATION TYPE : FS

SCALE N.T.S. | DRAWING NO:CC:ENGG:TL: 841481-H-P04-1158 | REV. 0