



ASSAM ELECTRICITY GRID CORPORATION LIMITED
Regd. Off.: BIJULEE BHAWAN (FIRST FLOOR) PALTANBAZAR; GUWAHATI - 781001
CIN: U40101AS2003SGC007238 GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520

Web: www.aegcl.co.in




Corrigendum-I

BID IDENTIFICATION NO: AEGCL/MD/Tech-309/O&M(LAR)/NDCP/33KV Feeder Sishugram)/ Bid(R)

With reference to the above bid document for the work namely "Turnkey construction of 33kV Feeder Bay along with associated works at 132kV Sishugram GSS for power supply to National Data Centre" against Bid Identification No. mentioned above, standard drawings have been uploaded.


All other terms and conditions of the bidding document remain same.


Chief General Manager (O&M), LAR
Assam Electricity Grid Corporation Ltd
Bijulee Bhawan, Guwahati - 1

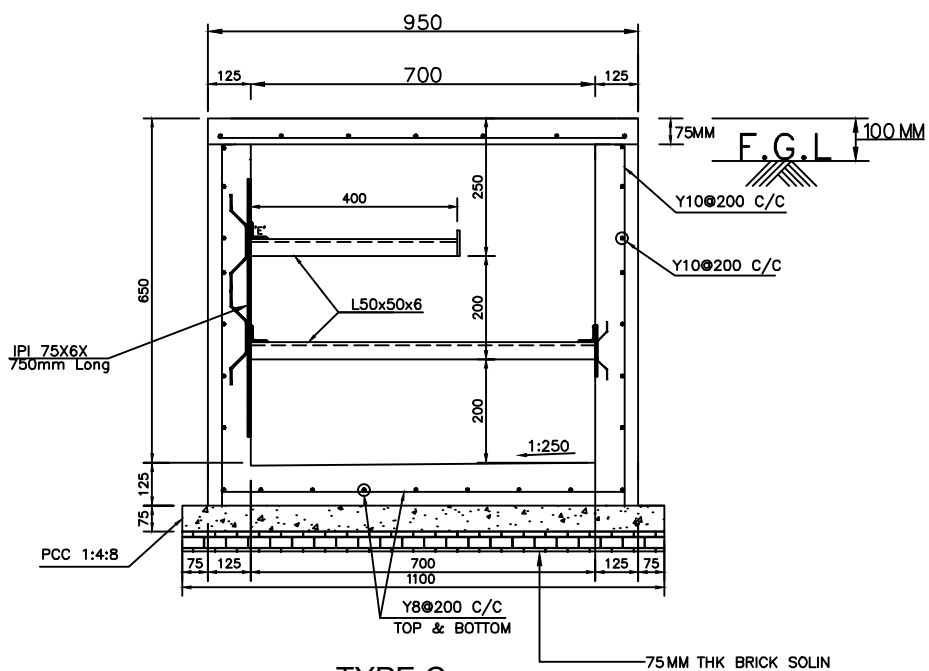
Memo No. - AEGCL/MD/Tech-309/O&M(LAR)/NDCP/33KV Feeder Sishugram)/ Part-I/9
Dtd: 19.03.2024

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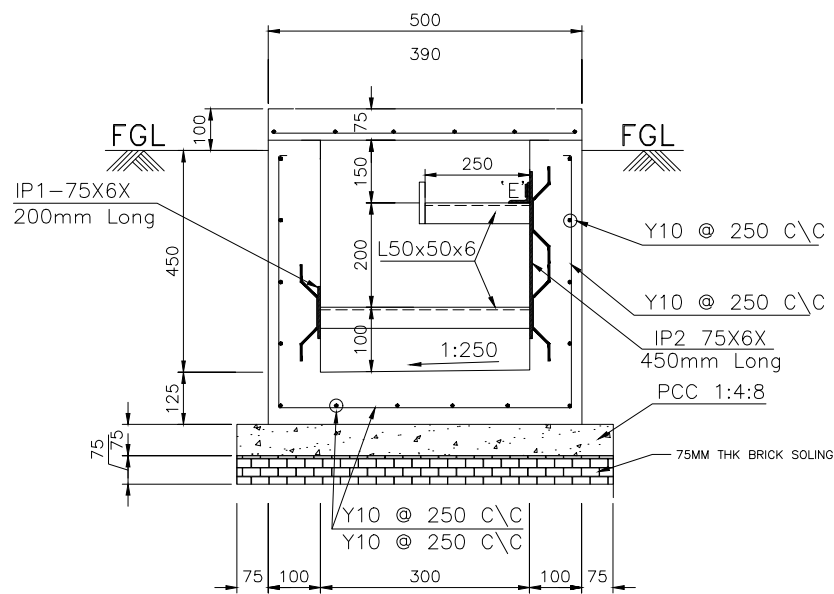
1. The DGM-IT, O/o the MD, AEGCL, for publication of the corrigendum notice in AEGCL website. (Soft copy enclosed)
2. Ref. file.


Chief General Manager (O&M), LAR
Assam Electricity Grid Corporation Ltd
Bijulee Bhawan, Guwahati - 1

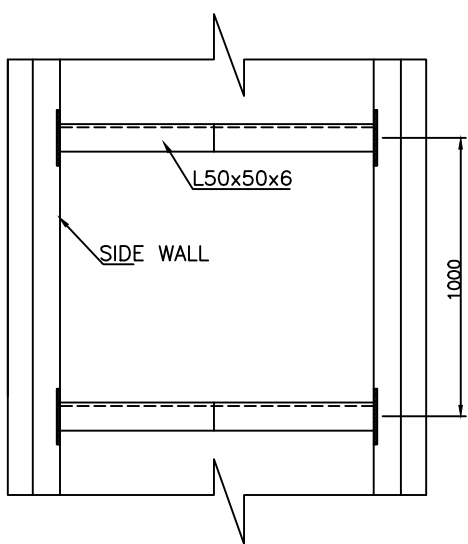
CABLE TRENCH



**TYPE C
(SWITCHYARD AREA)**

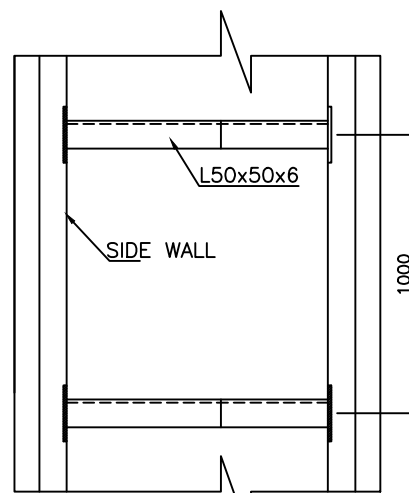


**TYPE D
(SWITCHYARD AREA)**

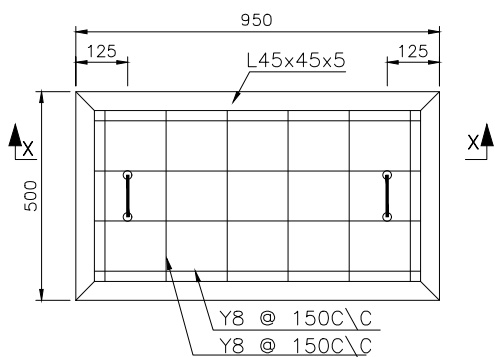


PLAN

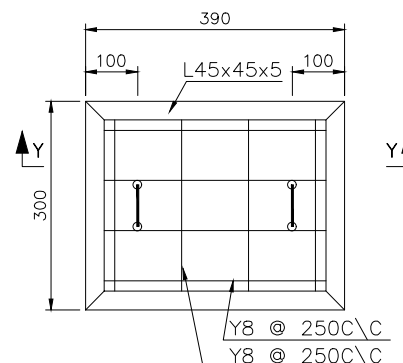
For Tender Reference Purpose only



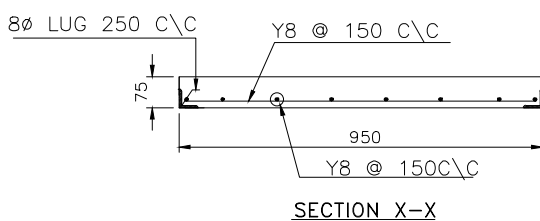
PLAN



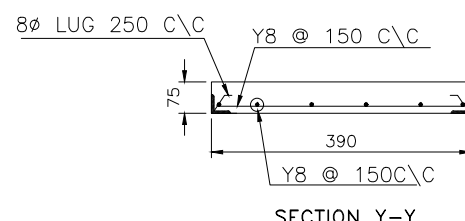
DETAILS OF COVER SLAB



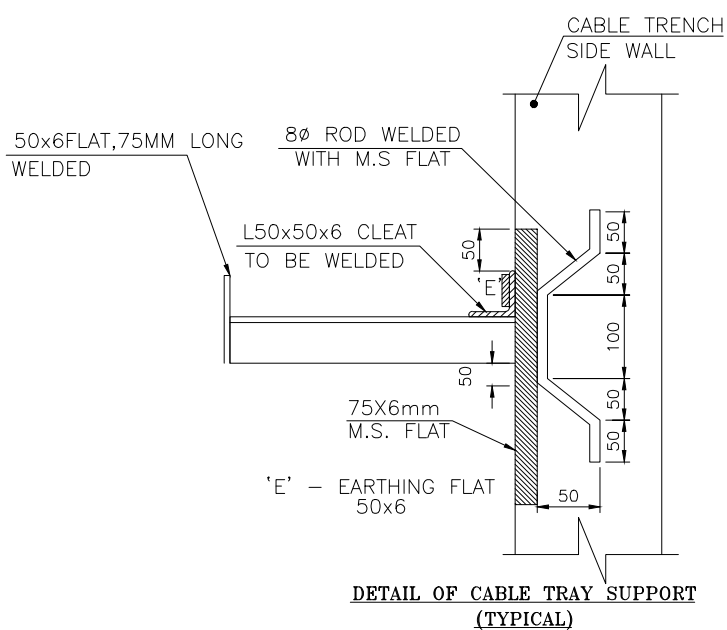
DETAILS OF COVER SLAB



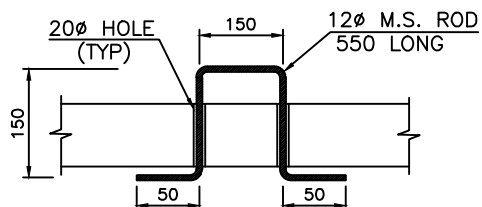
SECTION X-X



SECTION Y-Y



**DETAIL OF CABLE TRAY SUPPORT
(TYPICAL)**

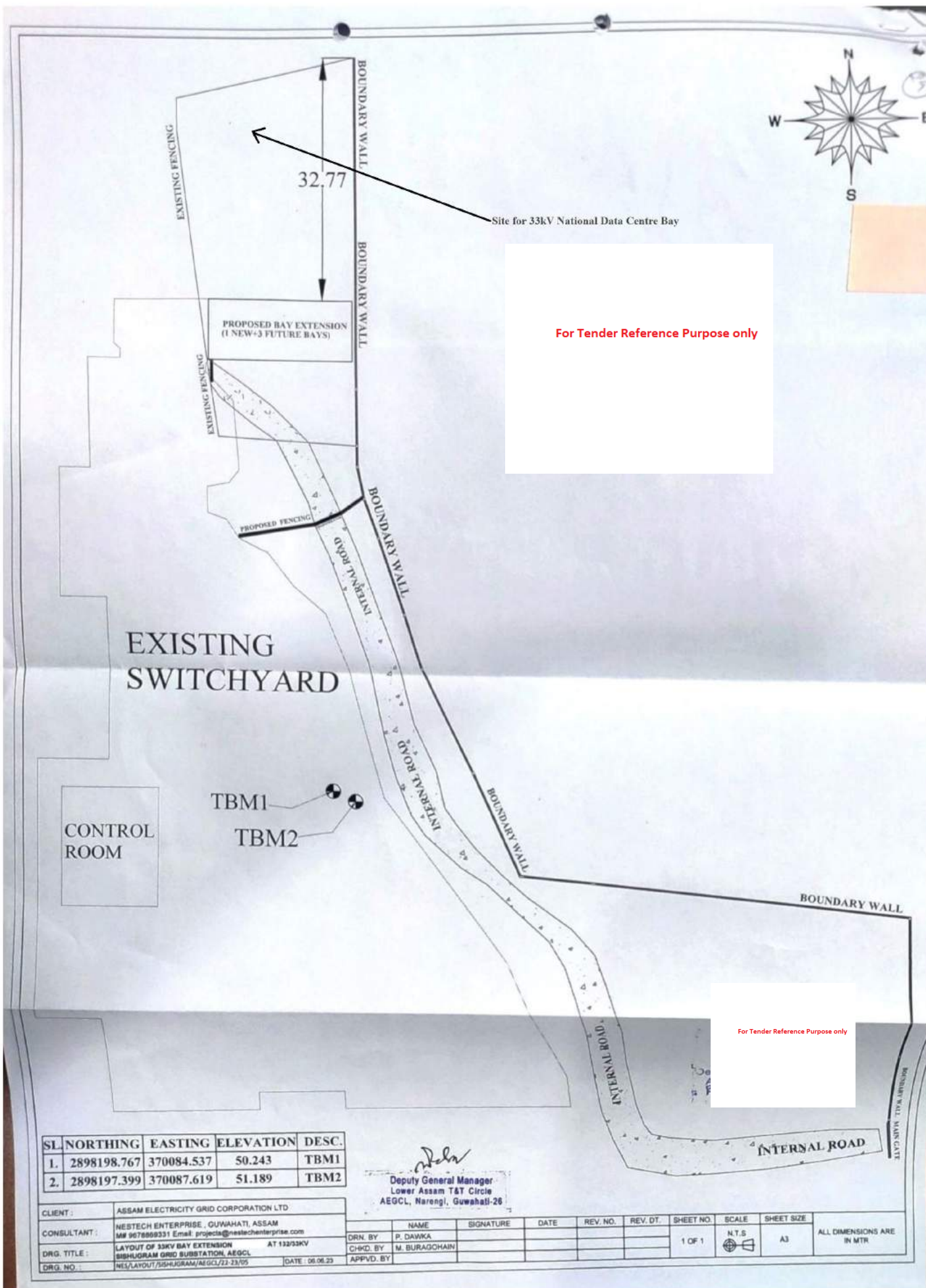


TYPICAL DETAIL OF LIFTING LUG

NOTES:-

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. ALL REINFORCEMENT SHALL BE OF GRADE Fe500 CONFORMING TO IS1786.
3. CONCRETE MIX SHALL BE M20
4. CLEAR COVER FOR REINFORCEMENT
SIDE WALL = 50mm
BOTTOM SLAB ON EARTH FACE = 50mm
5. LAP/DEVELOPMENT LENGTH SHALL BE 40 TIMES THE DIA. OF MAIN REINFORCEMENT.

								LOCATION: SISHUGRAM		CLIENT :	ASSAM ELECTRICITY GRID CORPORATION LTD
										WO NO :	AEGCL/DGM/LAC/TT/TLS-4(GTD)/2023/269 dated 03/03/2023
DRN. BY	N. BORO	SIGNATURE	DATE	REV. NO.	REV. DT.	SHEET NO.	SCALE	SHEET SIZE	ALL DIMENSIONS ARE IN MM.	CONSULTANT :	NESTECH ENTERPRISE , GUWAHATI, ASSAM PH 9678869331
CHKD. BY	M. BURAGOHAIN			01		1 OF 1	N.T.S	A3		DRG. TITLE :	CABLE TRENCH
APPVD. BY										DRG. NO. :	NES/AEGL/SISHUGRAM/CBT/01



Site for 33kV National Data Centre Bay

For Tender Reference Purpose only

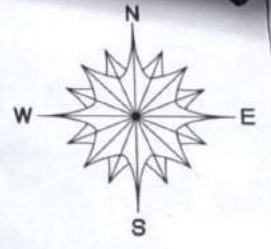
For Tender Reference Purpose only

SL	NORTHING	EASTING	ELEVATION	DESC.
1.	2898198.767	370084.537	50.243	TBM1
2.	2898197.399	370087.619	51.189	TBM2

Meha
 Deputy General Manager
 Lower Assam T&T Circle
 AEGCL, Narengi, Guwahati-26

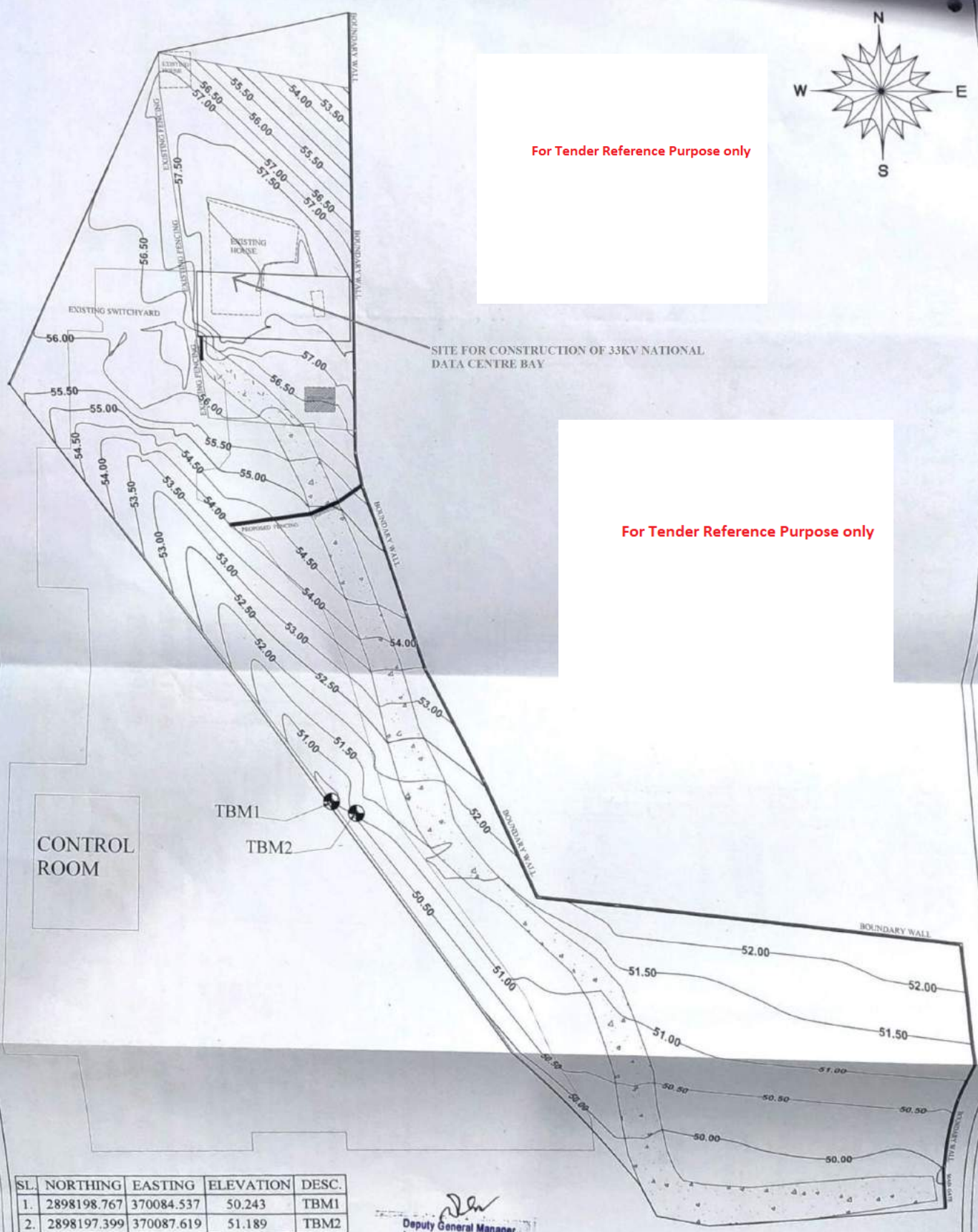
CLIENT:	ASSAM ELECTRICITY GRID CORPORATION LTD
CONSULTANT:	NESTECH ENTERPRISE, GUWAHATI, ASSAM MH 9678868331 Email: projects@nestechemprise.com
DRG. TITLE:	LAYOUT OF 33KV BAY EXTENSION AT 132/33KV BISHUGRAM GRID SUBSTATION, AEGCL
DRG. NO.:	NE/LAYOUT/BISHUGRAM/AEGCL/22-23/05 DATE: 06.06.23

NAME	SIGNATURE	DATE	REV. NO.	REV. DT.	SHEET NO.	SCALE	SHEET SIZE	ALL DIMENSIONS ARE IN MTR.
DRN. BY	P. DAWKA				1 OF 1	N.T.S	A3	
CHKD. BY	M. BURAGOHAIN							
APPVD. BY								



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For Tender Reference Purpose only

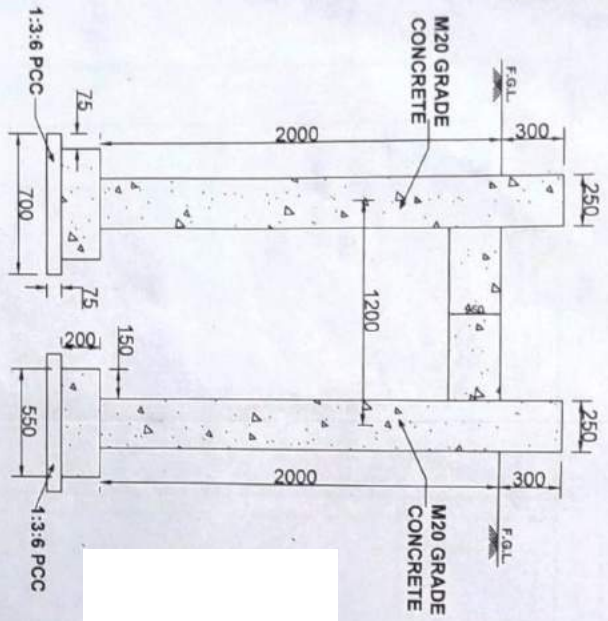


SL.	NORTHING	EASTING	ELEVATION	DESC.
1.	2898198.767	370084.537	50.243	TBM1
2.	2898197.399	370087.619	51.189	TBM2

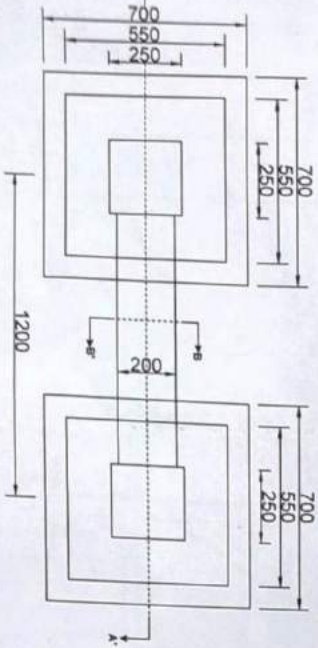
[Signature]
 Deputy General Manager
 Lower Assam T&T Circle
 AEGCL, Narongi, Guwahati-28

CLIENT:	ASSAM ELECTRICITY GRID CORPORATION LTD	NAME:	P. DAWKA	SIGNATURE:		DATE:		REV. NO.:		REV. DT.:		SHEET NO.:	1 OF 1	SCALE:	N.T.S.	SHEET SIZE:	A3	ALL DIMENSIONS ARE IN MTR
CONSULTANT:	NESTECH ENTERPRISE, GUWAHATI, ASSAM M# 9678669331 Email: projects@nestecheenterprise.com	DRN. BY:	M. BURAGOHAIN	CHKD. BY:		APPVD. BY:												
DRG. TITLE:	CONTOUR OF 33KV BAY EXTENSION SISHUGRAM GRID SUBSTATION, AEGCL	AT 132/33KV																
DRG. NO.:	NES/LAYOUT/SISHUGRAM/AEGCL/22-23/04	DATE: 06.06.23																

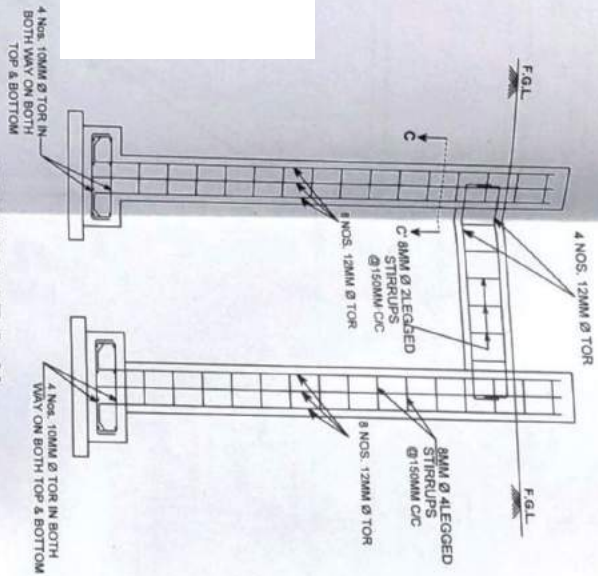
FOUNDATION DETAILS FOR 33KV - CT



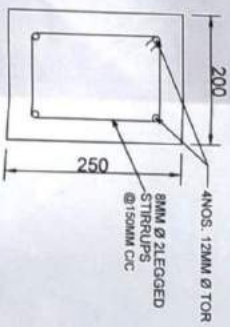
SECTION AT A-A'



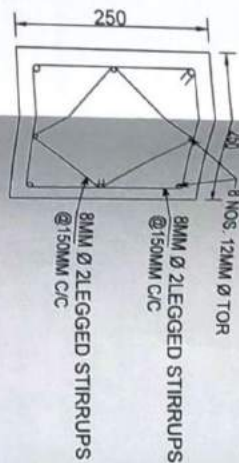
PLAN



SECTION AT A-A' (TYPICAL)



SECTION AT B-B' (ENLARGED)



SECTION AT C-C' (ENLARGED)

For Tender Reference Purpose only

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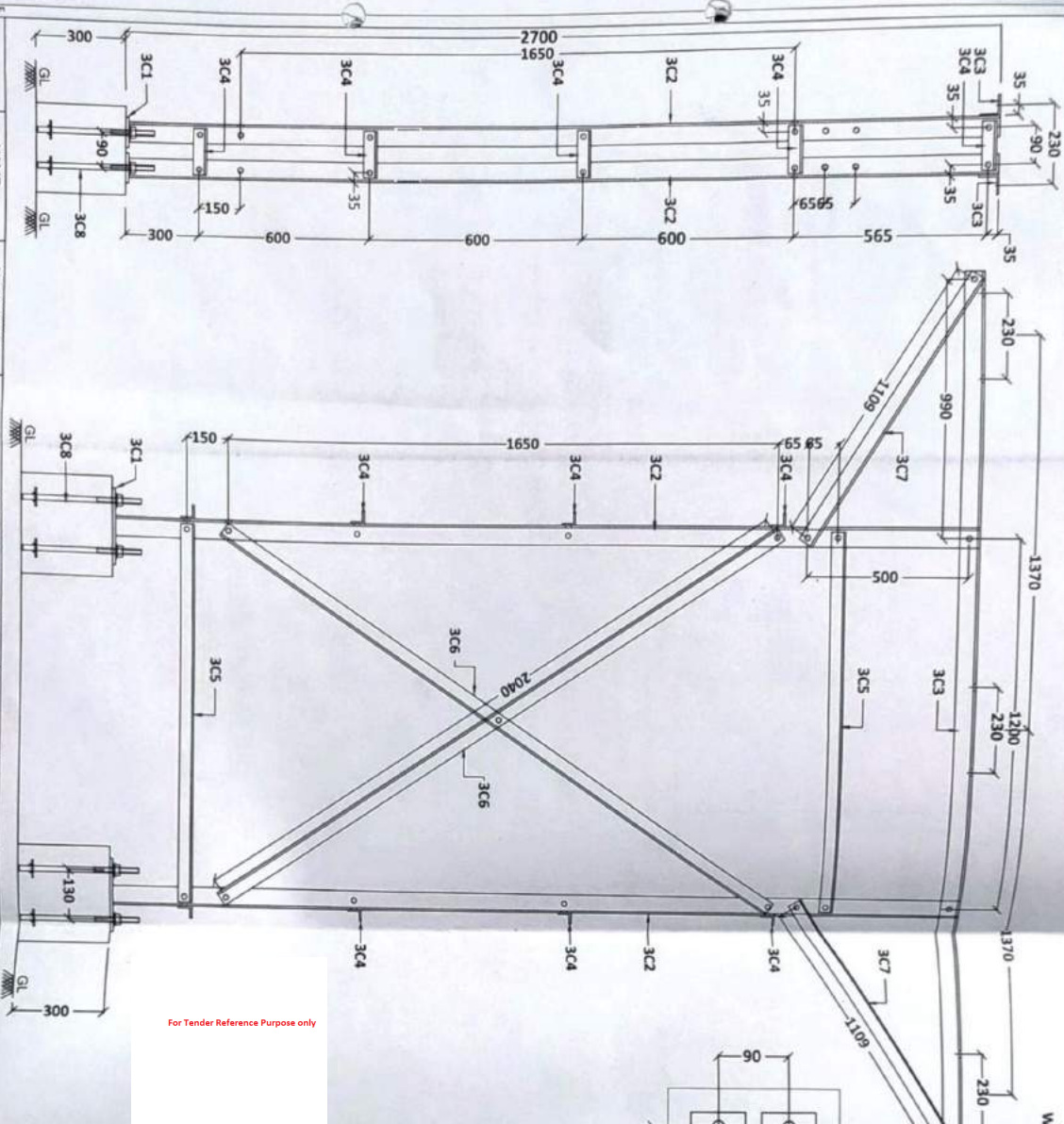
- NOTES:**
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
 2. TOR STEEL CONCRETE T.O.S. - 178 (F-4, 415)
 3. F.G.L. DENOTES FINISHED GROUND LEVEL.
 4. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR.
 5. PROVIDE CLR FOR COVER OF BAR.
 6. 50mm FOR BOTTOM & TOP REINFORCEMENT OF RAFT.
 7. 40mm FOR COLUMN REINFORCEMENT.
 8. DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 9. ANCHOR BOLTS AND OTHER EMBEDDED FIXTURES SHALL BE EMBEDDED DIRECTLY INTO CONCRETE WITH NECESSARY TEMPLATE.
 10. UNLESS OTHERWISE NOTED ALL CONCRETE SHALL BE OF GRADE M20.
 11. SAFE BEARING CAPACITY OF SOIL IS - 200 N/MSQ.M.

Deputy General Manager
Lower Assam 1st Circle
AECL, Noreng, Gauhati-78
220

NAME	SIGNATURE	DATE	REV. NO.	REV. DT.	SHEET NO.	SCALE	SHEET SIZE	PREPARED BY:
DRN. BY	KRISHNA DEVI		00		1 OF 1	N.T.S	A3	NESTECH ENTERPRISE Mobile: 9830283331 Projects@nestechemerprise.com
CHKD. BY	M. BURAGOHAIN							
APPVD. BY								

CLIENT:	ASAAM ELECTRICITY GRID CORPORATION LIMITED
CONSULTANT:	NESTECH ENTERPRISE Projects@nestechemerprise.com
PROJECT:	33kV Bay Extension works
WO NO & DATE:	AECL/DGM/ACTTIS-4(NTD)/2023/269 DTD 03 03 23
DRG. TITLE:	FOUNDATION DETAILS FOR 33KV - CT
DRG. NO.:	AECL/SISHUGAM/TKM/IGN 33 KV/CT/22-23/03

MOUNTING STRUCTURE FOR 33 KV CT



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S.N MARK	DESCRIPTION	ITEM	(QNTY)
1. 3C1	Base Plate	80X180 X 8	4
2. 3C2	Pillar Angle	165X65X6 X 2700	4
3. 3C3	Top Angle	165X65X6 X 3240	2
4. 3C4	Side Angle	145X45X5 X 140	10
5. 3C5	Front Angle	145X45X5 X 1250	4
6. 3C6	Cross-Angle	145X45X5 X 2090	4
7. 3C7	Support-Angle	145X45X5 X 1159	4
8. 3C8	Foundation Bolt with Nut & Washer		8
9.	Hex Bolt	1/2"x1-1/2"	50
10.	Washer	1/2"	50
11.	Hex. Nut	1/2"	50

NOTE :

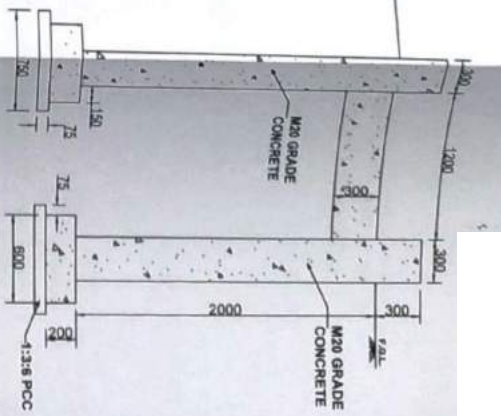
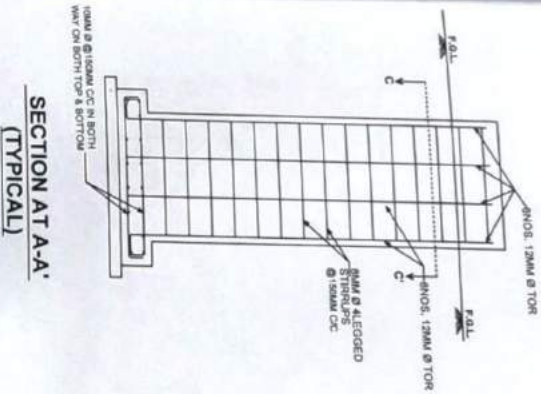
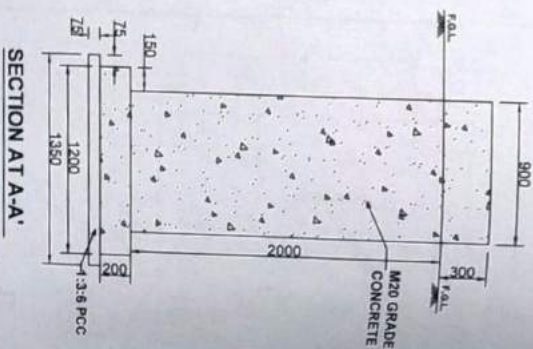
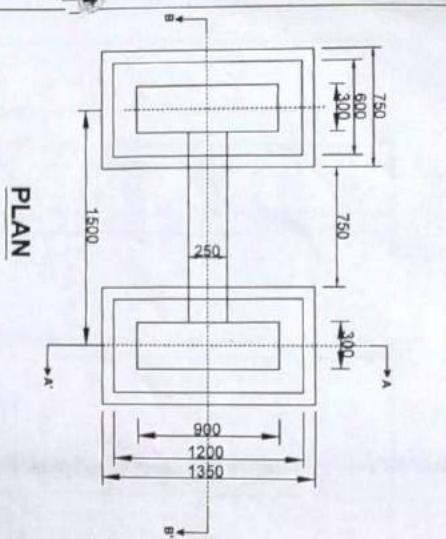
1. All Dimensions are in mm unless specified.
2. All Hole should be of 16 mm unless mentioned.
3. All members are of Mild Steel as per IS: 2062.
4. All members should be Hot dip Galvanized.
5. Fasteners used for assy. of Structure should be 1/2"
6. 33 KV CT Mounting Centre : 230X230 mm.

Dignity General Manager
Lower Assam T&T Circle
AEGCL, Heringp, Guwahati-78

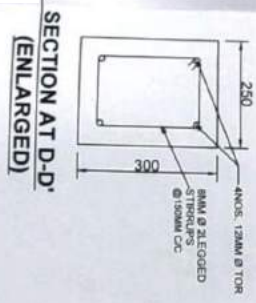
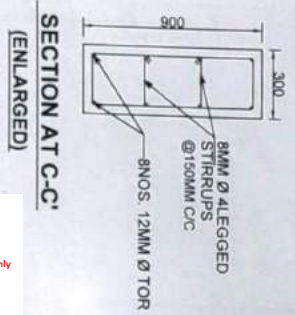
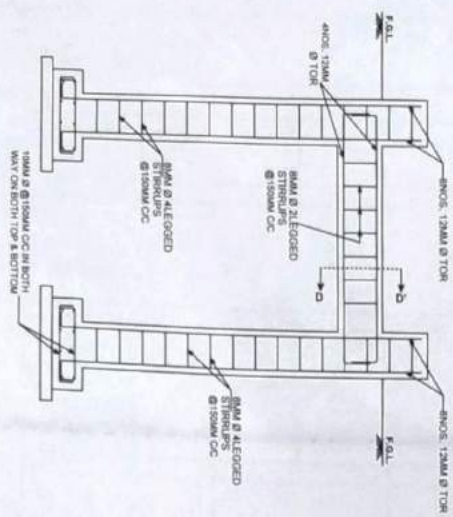
NAME	KRISHINA DEVI	SIGNATURE		DATE		REV. NO.	00	REV. DT.		SHEET NO.	1 OF 1	SCALE	N.T.S	SHEET SIZE	A3	PREPARED BY :	NESTECH ENTERPRISE Mobile: 9878662331 Project@nestechedenterprises.com
DRN. BY	KRISHINA DEVI																
CHKD. BY	M. BURAGOHAIN																
APPVD. BY																	

CLIENT :	ASAAM ELECTRICITY GRID CORPORATION LIMITED
CONSULTANT :	NESTECH ENTERPRISE projects@nestechedenterprises.com
PROJECT :	33KV Bay Extension works #11 KV Sishugram GSS, AEGCL
WO NO & DATE :	AEGCL/DGM/LA/CT/154(GTD)/2023/26/9 DTD 03.03.23
DRG. TITLE :	MOUNTING STRUCTURE FOR 33 KV CT (HEIGHT : 2700 MM FROM PLINTH)
DRG. NO. :	AEGCL/SISHUGRAM-154/STR 30 KV - G/22-23/07
	DATE : 06.08.2023

FOUNDATION DETAILS FOR 33KV - ISOLATOR



SECTION AT B-B'
(TYPICAL)



For Tender Reference Purpose only

For Tender Reference Purpose only

NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. TOR STEEL (CONCRETS TO IS - 1786 (Fe - 415).
3. F.G.L DENOTES FINISHED GROUND LEVEL.
4. LAP LENGTH SHALL BE 40 TIMES DIA OF BAR.
5. PROVIDE CLEAR COVER AS UNDER -
 - 50mm FOR BOTTOM & TOP REINFORCEMENT OF RAFT,
 - 40mm FOR COLUMN REINFORCEMENT.
6. DO NOT SCALE THE DRAWING, ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
7. ANCHOR BOLTS AND OTHER EMBEDDED FIXTURES SHALL BE EMBEDDED DIRECTLY INTO CONCRETE WITH NECESSARY TEMPLATE.
8. UNLESS OTHERWISE NOTED ALL CONCRETE SHALL BE OF GRADE M20.
9. SAFE BEARING CAPACITY OF SOIL IS - 200 KNSQ/M.

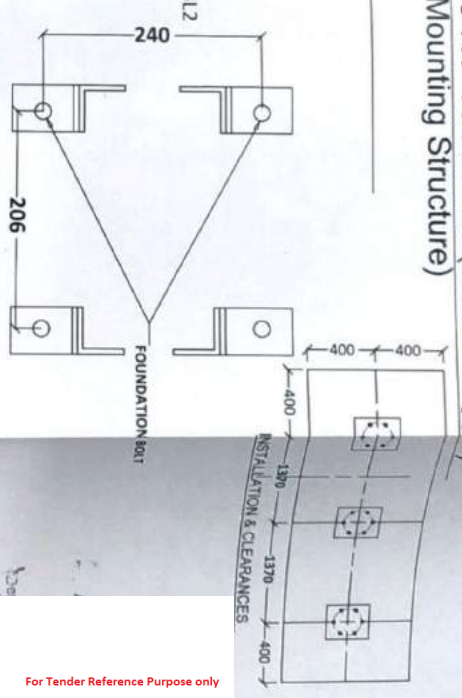
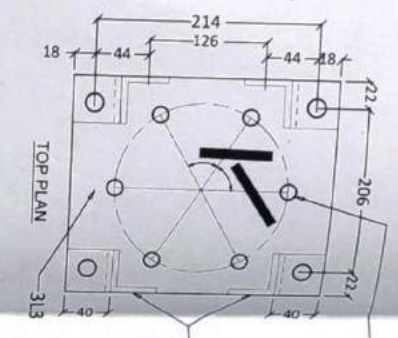
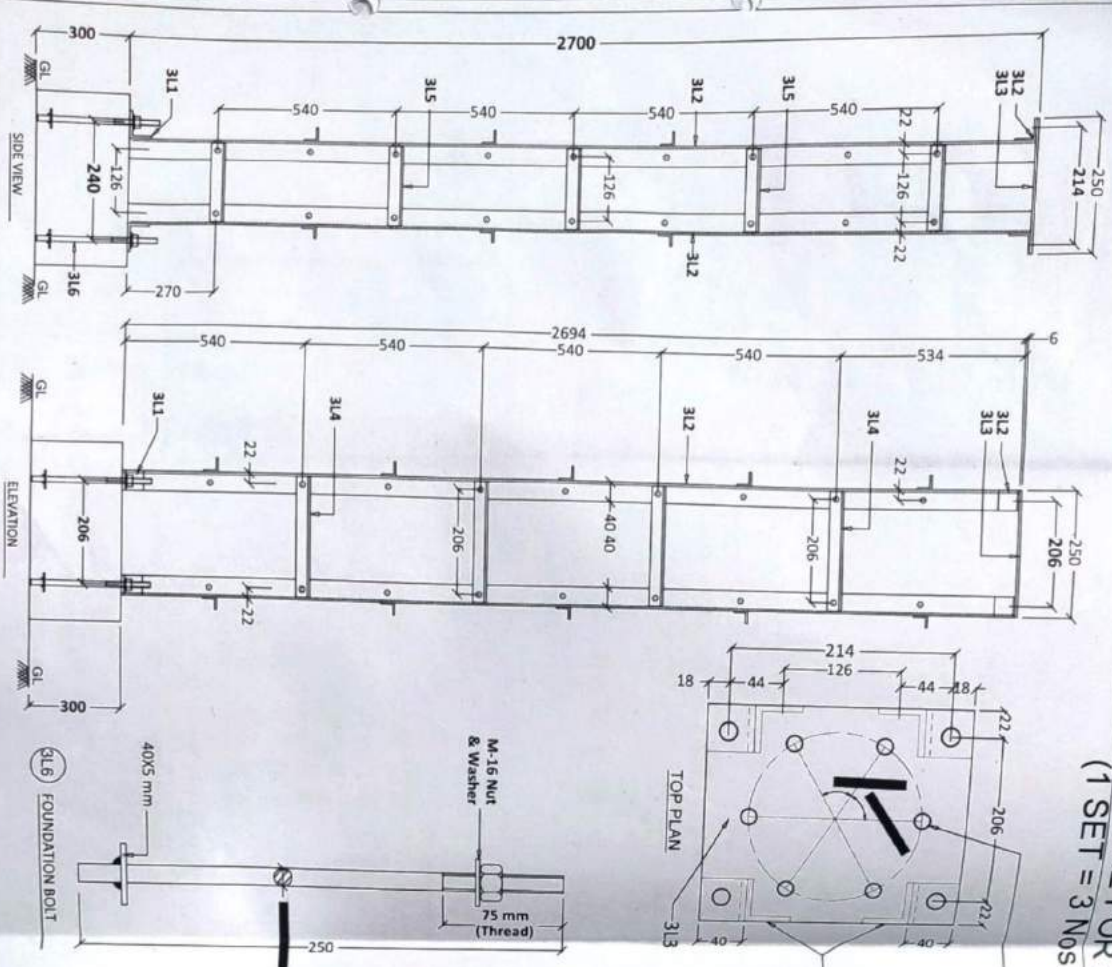
Deputy General Manager
Local Assets Tax Circle
AEGCL, Narsingi, Gachibowli-28

NAME	SIGNATURE	DATE	REV. NO.	REV. DT.	SHEET NO.	SCALE	SHEET SIZE
DRN. BY CHKD. BY APPVD. BY	KRISHNA DEVI M. BURAGOHAIN		00		1 OF 1	N.T.S	A3
PREPARED BY: NESTECH ENTERPRISE Mobile: 9671866031 Project: @nestechenterprises.com							

CLIENT :	ASAAM ELECTRICITY GRID CORPORATION LIMITED
CONSULTANT :	NESTECH ENTERPRISE projects@nestechenterprise.com
PROJECT :	33KV Bay Extension works
WO NO & DATE :	AEQCL/DGM/AV07TTL4(GTD)/2023/269 DTD.03.03.23
DRG. TITLE :	FOUNDATION DETAILS FOR 33KV - ISOLATOR
DRG. NO. :	AEQCL/SISHUGRAM, JCV/15N.33 KV-50L/22-23/02
	DATE: 06.06.2023

MOUNTING STRUCTURE FOR 30 KV-10 KA L.A (Station Type)

(1 SET = 3 Nos. Mounting Structure)



FOUNDATION PLAN (STR. MOUNTING - 240X206 MM)

S/N	MARK	ITEM	SECTION & LENGTH	QTY./1-Ph	QTY./3-Ph
1.	3L1	Foundation Base Angle	165X65X6 X 45	4	12
2.	3L2	Pillar Angle	140X40X5 X 2664	4	12
3.	3L3	Top Plate	140X40X5 X 40	4	12
4.	3L4	Front-Angle	250X250X6	1	3
5.	3L5	Side-Angle	140X40X5 X 246	8	24
6.	3L6	Foundation Bolt with Nut & Washer	140X40X5 X 166	10	30
7.		Hex Bolt	1/2"x1-1/2"	40	120
8.		Washer	1/2"	40	120
9.		Hex Nut	1/2"	40	120

NOTE:

1. All Dimensions are in mm unless specified.
2. All Holes should be of 16 mm unless mentioned.
3. All members are of Mild Steel as per IS-2062 & HDG.
4. Fasteners used for asy. of Structure should be M12.
5. 1 Set consists of Three (3) Nos. Mounting Structure.

Deputy General Manager
 Chief Asses 1st Circle
 Assttd. Messgr. Chandrabh-2

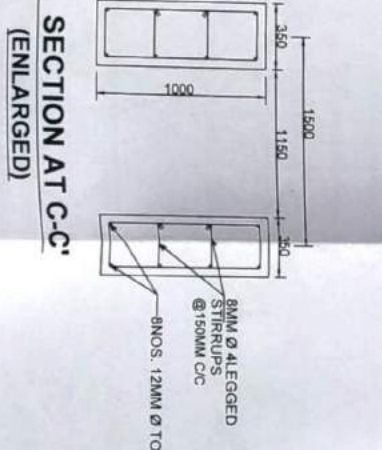
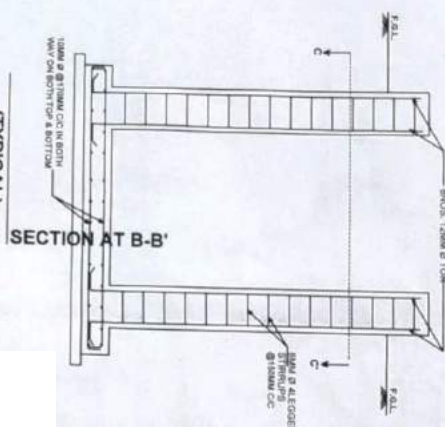
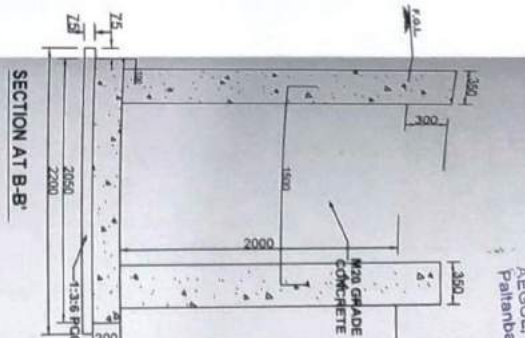
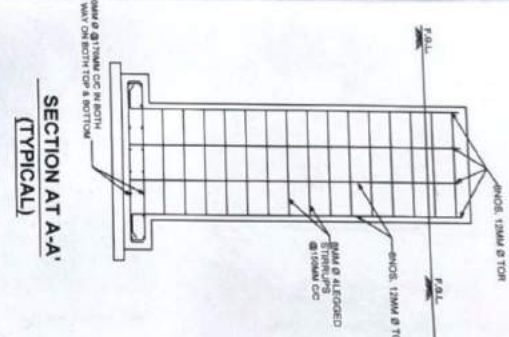
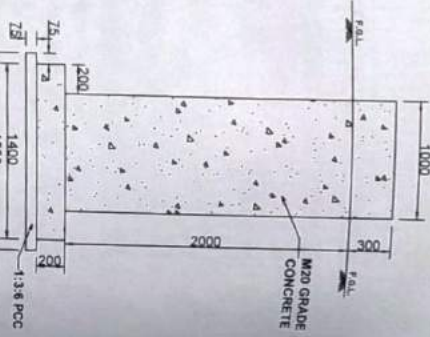
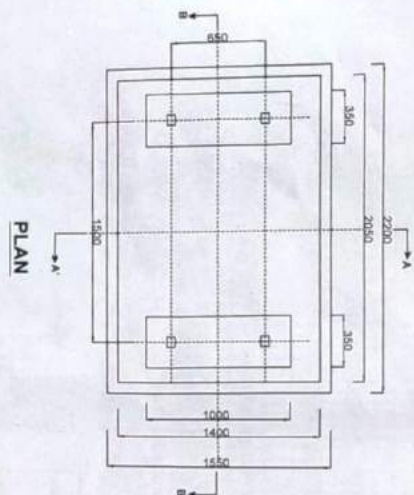
For Tender Reference Purpose only

For Tender Reference Purpose only

DRN. BY	NAME	SIGNATURE	DATE	REV. NO.	REV. DT.	SHEET NO.	SCALE	SHEET SIZE	PREPARED BY:
CHKD. BY	KRISHNA DEVI			00		1 OF 1	N.T'S	A3	NESTECH ENTERPRISE
APPVD. BY	M. BURAGOZHANI								Mobile: 9779693333 Project@nestechenterprises.com

CLIENT:	ASAAM ELECTRICITY GRID CORPORATION LIMITED
CONSULTANT:	NESTECH ENTERPRISE Project@nestechenterprises.com
PROJECT:	33KV Bay Extension works at 4th LV Substation GSS ARECL.
WO NO & DATE:	ARECL/DGM/1/OT/TS/AGTD/2023/299 DTD 03.03.23
DRG. TITLE:	STRUCTURE FOR 30KV-10KA L.A (STATION CLASS TYPE) 1 SET = 3 NOS. (STRUCTURE HEIGHT: 2700 MM FROM PLINTH)
DRG. NO.:	ARECL/SISHUGRAM /CN/STR 30KV - LA/22-23/06 DATE: 06.06.2023

FOUNDATION DETAILS FOR 33KV - VCB



- NOTES:**
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. TOR STEEL CONFORMS TO IS - 1786 (F_y - 415).
 3. F.G.L DENOTES FINISHED GROUND LEVEL.
 4. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR.
 5. PROVIDE CLEAR COVER AS UNDER -
 - 50mm FOR BOTTOM & TOP REINFORCEMENT OF RAFT.
 - 50mm FOR SIDE REINFORCEMENT.
 - 40mm FOR COLUMN REINFORCEMENT.
 6. DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 7. ANCHOR BOLTS AND OTHER EMBEDDED FIXTURES SHALL BE EMBEDDED DIRECTLY INTO CONCRETE WITH NECESSARY TEMPLATE.
 8. UNLESS OTHERWISE NOTED ALL CONCRETE SHALL BE OF GRADE M20.
 9. SAFE BEARING CAPACITY OF SOIL IS - 200 KN/SQ.M.

Deputy General Manager
Lower Assam T&T Circle
AEGCL, Narsingi, Guwahati-781002

NAME	KRISHNA DEVI	SIGNATURE	DATE
DRN. BY	M. BURAGOHAIN		
CHKD. BY			
APPVD. BY			

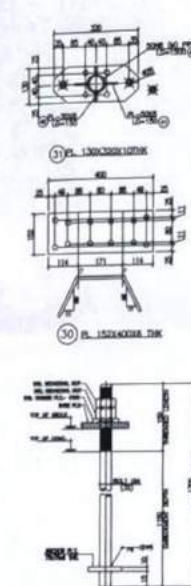
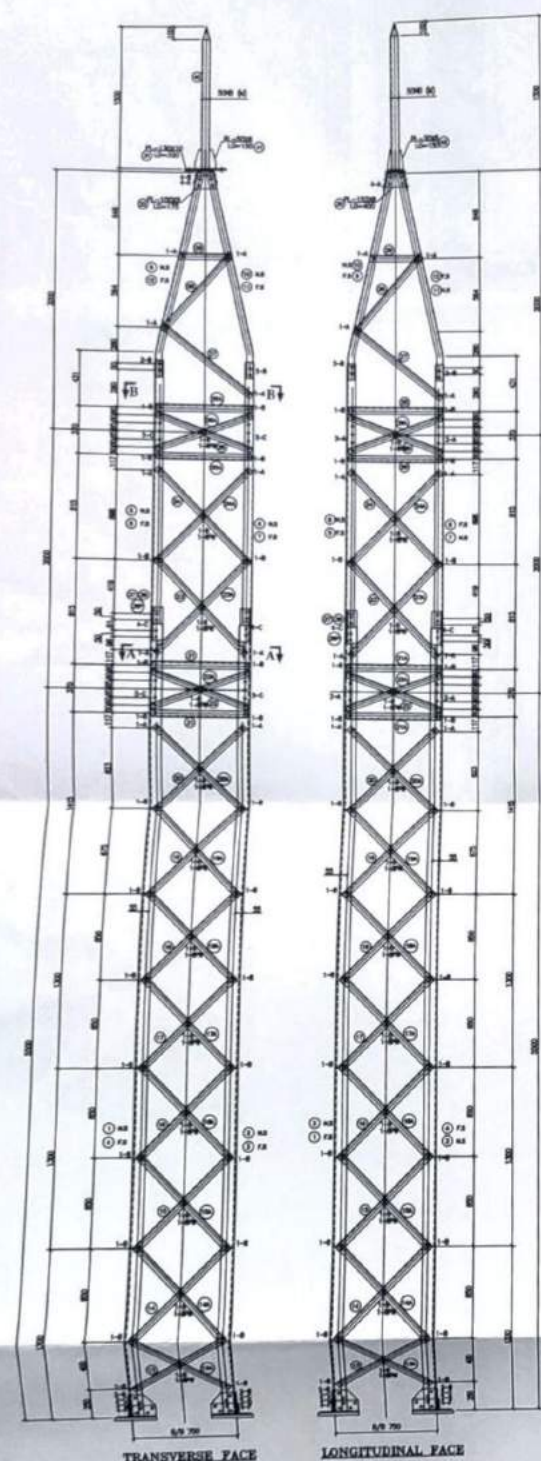
For Tender Reference Purpose only

EET NO.	SCALE	SHEET SIZE	PREPARED BY:
OF 1	N.T.S	A3	NESTECH ENTERPRISE Mobile: 9878892331 projects@nestecheenterprise.com

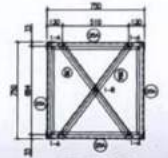
CLIENT :	ASAAM ELECTRICITY GRID CORPORATION LIMITED
CONSULTANT :	NESTECH ENTERPRISE projects@nestecheenterprise.com
PROJECT :	33kV Bay Extension works at 1 st 1/2 kV Sishuguan OSS, AEGCL.
WO NO & DATE :	AEGL/DCM/LAOTT/LS4(GTD)/2022/269 DTD 01.03.23
DRG. TITLE :	FOUNDATION DETAILS FOR 33KV - VCB
DRG. NO. :	AEGL/SISHUGRAM/JCA/FN/33KV-VCB/22-23/01 DATE: 06.08.2023

For Tender Reference Purpose only

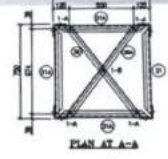
33KV COLUMN C7 WITH PEAK



FOUNDATION BOLT



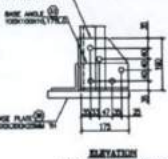
PLAN AT B-B



PLAN AT A-A

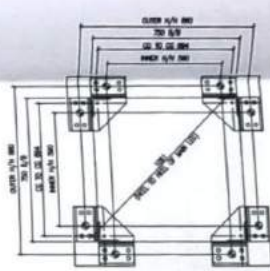


BASE PLATE DETAILS



ELEVATION BASE PLATE DETAILS

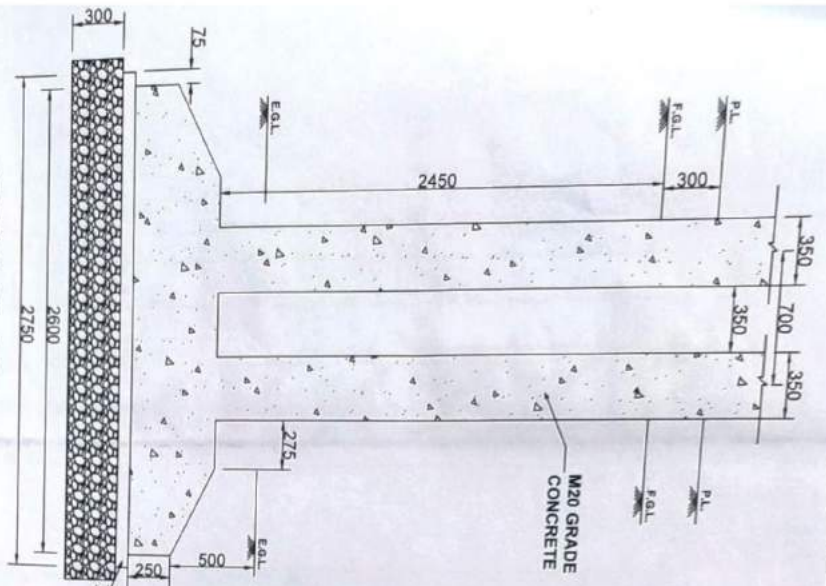
BILL OF MATERIAL									
SL. NO.	MARK NO.	SECTION (MM)	LENGTH (MM)	WIDTH (MM)	UNIT WT (KG/MTR)	WT. PER PC (KGS.)	QTY./SET (NOES.)	WT. PER SET (KGS.)	
1	C7-1	MS L80X80B	8000	10.80	64.800	1	64.800	64.800	
2	C7-2	MS L80X80B	8000	10.80	64.800	1	64.800	64.800	
3	C7-3	MS L80X80B	8000	10.80	64.800	1	64.800	64.800	
4	C7-4	MS L80X80B	8000	10.80	64.800	1	64.800	64.800	
5	C7-5	MS L80X80B	2044	4.80	10.018	1	10.018	10.018	
6	C7-6	MS L80X80B	2044	4.80	10.018	1	10.018	10.018	
7	C7-7	MS L80X80B	2044	4.80	10.018	1	10.018	10.018	
8	C7-8	MS L80X80B	2044	4.80	10.018	1	10.018	10.018	
9	C7-9	MS L80X80B	1822	3.80	6.164	1	6.164	6.164	
10	C7-10	MS L80X80B	1822	3.80	6.164	1	6.164	6.164	
11	C7-11	MS L80X80B	1822	3.80	6.164	1	6.164	6.164	
12	C7-12	MS L80X80B	1822	3.80	6.164	1	6.164	6.164	
13	C7-13	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
14	C7-14	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
15	C7-15	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
16	C7-16	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
17	C7-17	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
18	C7-18	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
19	C7-19	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
20	C7-20	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
21	C7-21	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
22	C7-22	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
23	C7-23	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
24	C7-24	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
25	C7-25	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
26	C7-26	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
27	C7-27	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
28	C7-28	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
29	C7-29	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
30	C7-30	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
31	C7-31	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
32	C7-32	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
33	C7-33	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
34	C7-34	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
35	C7-35	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
36	C7-36	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
37	C7-37	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
38	C7-38	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
39	C7-39	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
40	C7-40	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
41	C7-41	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
42	C7-42	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
43	C7-43	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
44	C7-44	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
45	C7-45	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
46	C7-46	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
47	C7-47	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
48	C7-48	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
49	C7-49	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
50	C7-50	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
51	C7-51	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
52	C7-52	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
53	C7-53	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
54	C7-54	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
55	C7-55	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
56	C7-56	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
57	C7-57	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
58	C7-58	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
59	C7-59	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
60	C7-60	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
61	C7-61	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
62	C7-62	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
63	C7-63	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
64	C7-64	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
65	C7-65	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
66	C7-66	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
67	C7-67	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
68	C7-68	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
69	C7-69	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
70	C7-70	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
71	C7-71	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
72	C7-72	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
73	C7-73	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
74	C7-74	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
75	C7-75	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
76	C7-76	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
77	C7-77	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
78	C7-78	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
79	C7-79	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
80	C7-80	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
81	C7-81	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
82	C7-82	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
83	C7-83	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
84	C7-84	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
85	C7-85	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
86	C7-86	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
87	C7-87	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
88	C7-88	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
89	C7-89	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
90	C7-90	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
91	C7-91	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
92	C7-92	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
93	C7-93	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
94	C7-94	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
95	C7-95	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
96	C7-96	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
97	C7-97	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
98	C7-98	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
99	C7-99	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
100	C7-100	MS L45X45S	804	3.40	2.734	4	10.936	10.936	
Total Weight Of Structure In Kgs.									863.808



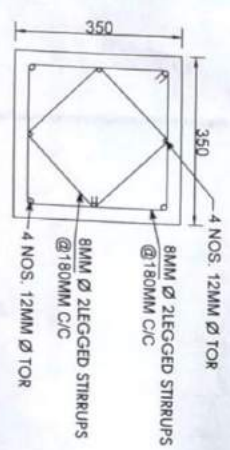
FOUNDATION DETAILS

- NOTES:
- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
 - BOLT SYMBOLS 12# = 13.5# HOLES
16# = 17.5# HOLES
16# STEP BOLT = 17.5# HOLES DIAGONALLY OPPOSITE LEADS
22# = 20# HOLES
 - ALL ERECTION MARKS ARE TO BE PROVIDED WITH "C-"
 - STRUCTURAL STEEL SHALL BE AS FOLLOWS
(1) MILD STEEL - IS 2062 WITH YIELD STRESS $F_y = 250 \text{ KG/SQ.CM}$
(2) HIGH TENSILE STEEL - IS 2062 F440B
 - BOLTS & NUTS AS PER IS 12427-1988, CONFORMING TO GRADE-5.8
 - GALVANIZING SHALL CONFORM TO IS 2620-1985 & IS 4750-1996
 - SPRING WASHER SHALL BE CONFORM TO IS 3063-1984

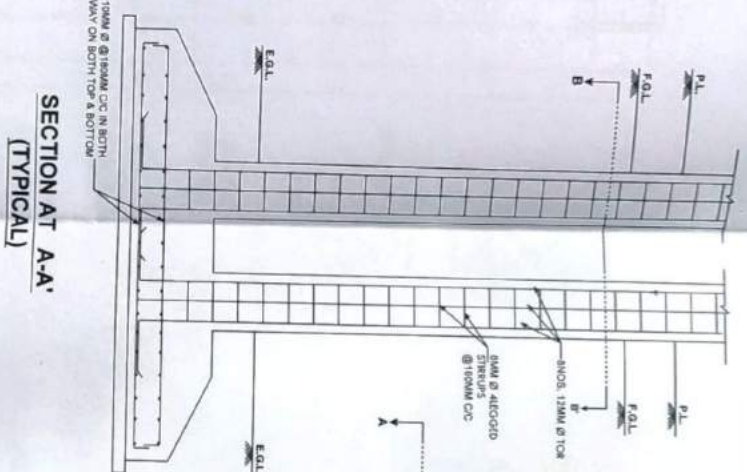
BOLTS AND NUTS STATEMENT		
TYPE	SIZE	QTY.
A	M 16 X 30	80
B	M 16 X 40	80
C	M 16 X 50	80
D	M 16 X 60	80
E	M 16 X 70	80
F	M 16 X 80	80
G	M 16 X 90	80
H	M 16 X 100	80
I	M 16 X 110	80
J	M 16 X 120	80
K	M 16 X 130	80
L	M 16 X 140	80
M	M 16 X 150	80
N	M 16 X 160	80
O	M 16 X 170	80
P	M 16 X 180	80
Q	M 16 X 190	80
R	M 16 X 200	80
S	M 16 X 210	80
T	M 16 X 220	80
U	M 16 X 230	80
V	M 16 X 240	80
W	M 16 X 250	80
X	M 16 X 260	80
Y	M 16 X 270	80
Z	M 16 X 280	80
AA	M 16 X 290	80
AB	M 16 X 300	80
AC	M 16 X 310	80
AD	M 16 X 320	80
AE	M 16 X 330	80
AF	M 16 X 340	80
AG	M 16 X 350	80
AH	M 16 X 360	80
AI	M 16 X 370	80
AJ	M 16 X 380	80
AK	M 16 X 390	80
AL	M 16 X 400	80
AM	M 16 X 410	80
AN	M 16 X 420	80
AO	M 16 X 430	80
AP	M 16 X 440	80
AQ	M 16 X 450	80
AR	M 16 X 460	80
AS	M 16 X 470	80
AT	M 16 X 480	80
AU	M 16 X 490	80
AV	M 16 X 500	80
AW	M 16 X 510	80
AX	M 16 X 520	80
AY	M 16 X 530	80
AZ	M 16 X 540	80
BA	M 16 X 550	80
BB	M 16 X 560	80
BC	M 16 X 570	80
BD	M 16 X 580	80
BE	M 16 X 590	80
BF	M 16 X 600</	



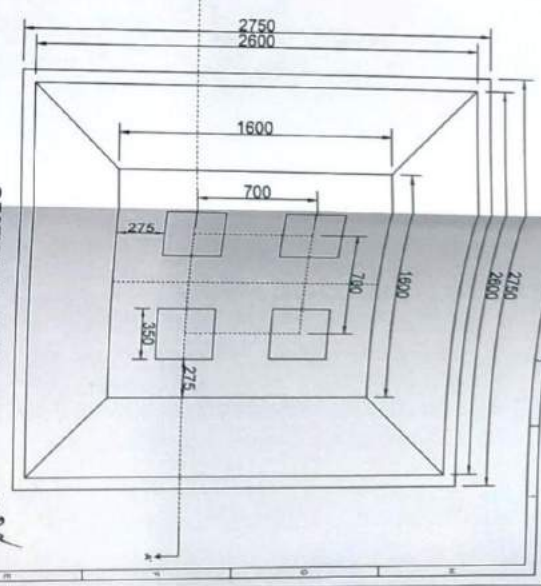
SECTION AT A-A'



SECTION AT B-B'
(ENLARGED)



SECTION AT A-A'
(TYPICAL)



SECTION AT A-A'

For Tender Reference Purpose only

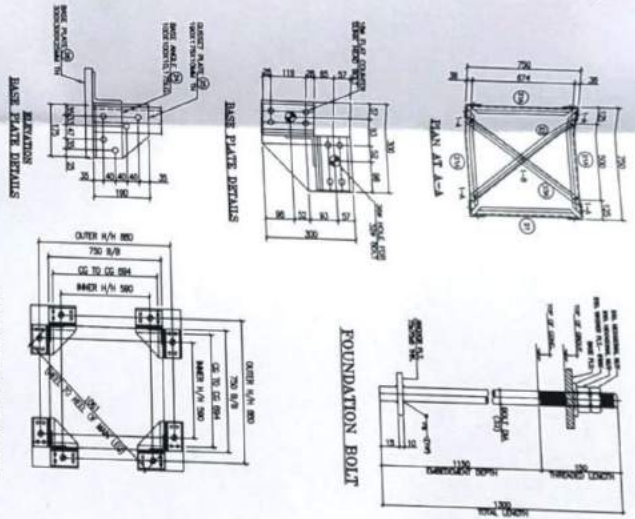
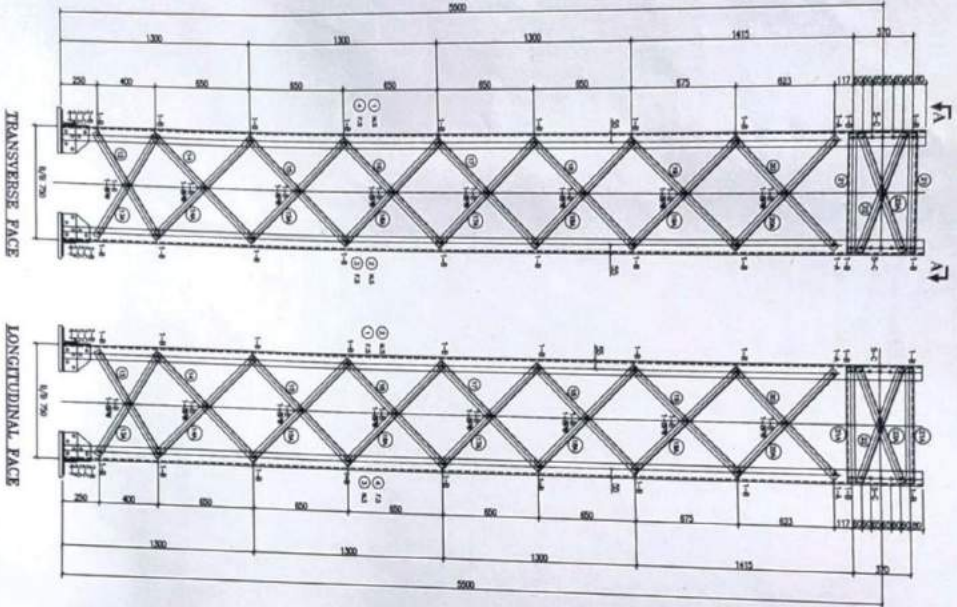
- NOTES:**
1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
 2. TOR STEEL CONFORMS TO IS - 1796 (F_y - 415).
 3. F.G.L DENOTES FINISHED GROUND LEVEL.
 4. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR.
 5. PROVIDE CLEAR COVER AS UNDER -
 - 50mm FOR BOTTOM & TOP REINFORCEMENT OF RAFT.
 - 50mm FOR SIDE REINFORCEMENT OF RAFT.
 - 40mm FOR COLUMN REINFORCEMENT.
 6. DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
 7. ANCHOR BOLTS AND OTHER EMBEDDED FIXTURES SHALL BE EMBEDDED DIRECTLY INTO CONCRETE WITH NECESSARY TEMPLATE.
 8. UNLESS OTHERWISE NOTED ALL CONCRETE SHALL BE OF GRADE M20.
 9. SAFE BEARING CAPACITY OF SOIL IS - 200 PNB/SQ.M.

Deputy General Manager
Lower Assam T&T Circle
AECC, Narsingi, Guwahati-78

NO NO & DATE :	AECC/DGM/LAC/TTL/S-A(GTD)/2023/269 DTD.03.03.23
TITLE :	FOUNDATION DETAILS FOR 33KV TOWER
CLIENT :	ASSAM ELECTRICITY GRID CORPORATION LIMITED
CONSULTANT :	NESTECH ENTERPRISE Email: @nestechnepripc.com Mob # 9678869331 # 6026801607
DRAWN BY :	REHAVNA PARVEEN
SCALE :	NOT TO SCALE
DATE :	
APPROVED BY :	

CHECKED BY: _____
DESIGNED BY: _____
DRAWN BY: _____

33KV COLUMN C5 WITHOUT PEAK



For Tender Reference Purpose only

BILL OF MATERIALS

Sl. No.	Item	Qty	Unit	Material	Remarks
1	1	1	EA	1000	1000
2	2	1	EA	1000	1000
3	3	1	EA	1000	1000
4	4	1	EA	1000	1000
5	5	1	EA	1000	1000
6	6	1	EA	1000	1000
7	7	1	EA	1000	1000
8	8	1	EA	1000	1000
9	9	1	EA	1000	1000
10	10	1	EA	1000	1000
11	11	1	EA	1000	1000
12	12	1	EA	1000	1000
13	13	1	EA	1000	1000
14	14	1	EA	1000	1000
15	15	1	EA	1000	1000
16	16	1	EA	1000	1000
17	17	1	EA	1000	1000
18	18	1	EA	1000	1000
19	19	1	EA	1000	1000
20	20	1	EA	1000	1000
21	21	1	EA	1000	1000
22	22	1	EA	1000	1000
23	23	1	EA	1000	1000
24	24	1	EA	1000	1000
25	25	1	EA	1000	1000
26	26	1	EA	1000	1000
27	27	1	EA	1000	1000
28	28	1	EA	1000	1000
29	29	1	EA	1000	1000
30	30	1	EA	1000	1000

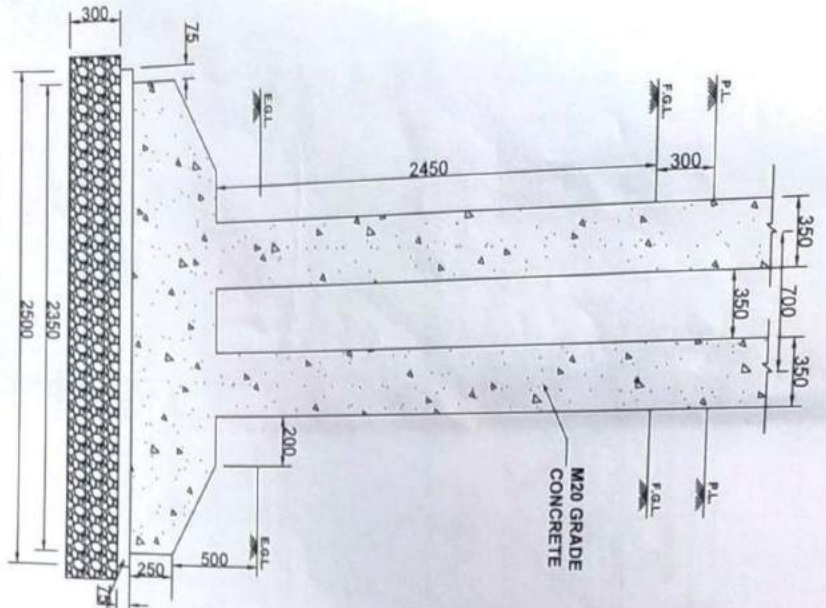
- NOTES**
1. ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE SPECIFIED.
 2. RIVET SHANKS 12# - 13.5# HOLES
 3. 18# RIV SHANKS 17# - 17.5# HOLES DIAGONALLY OPPOSITE LESS
 4. 22# RIV SHANKS 22# - 22# HOLES
 5. ALL SECTION MARKS ARE TO BE PROVIDED WITH "C5"
 6. STRUCTURAL STEEL SHALL BE AS FOLLOWS
 7. (I) MILD STEEL - E250W
 8. (II) HIGH TENSILE STEEL - E460W
 9. RIVETS & NUTS AS PER IS:12427-1988, CONFORMING TO GRADE-5.8
 10. QUANTITY SHALL CONFORM TO IS:2003-1985 & IS:4729-1998
 11. SPREAD WORKER SHALL BE CONFORM TO IS: 2003-1994

Deputy General Manager
Lower Assam T&T Circle
AEGCL, Narengi, Guwahati-78

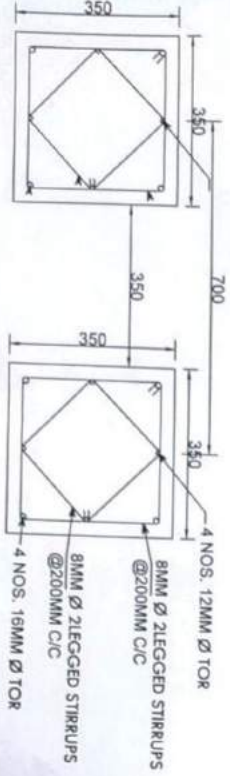
BOLTS AND NUTS STATEMENT

TYPE	SIZE	QTY
A	18 X 35 mm	18
B	18 X 42 mm	18
C	18 X 50 mm	18
D	18 X 55 mm	18
E	18 X 60 mm	18
F	18 X 70 mm	18
G	18 X 75 mm	18
H	18 X 80 mm	18
I	18 X 90 mm	18
J	18 X 100 mm	18
K	18 X 110 mm	18
L	18 X 120 mm	18
M	18 X 130 mm	18
N	18 X 140 mm	18
O	18 X 150 mm	18
P	18 X 160 mm	18
Q	18 X 170 mm	18
R	18 X 180 mm	18
S	18 X 190 mm	18
T	18 X 200 mm	18
U	18 X 210 mm	18
V	18 X 220 mm	18
W	18 X 230 mm	18
X	18 X 240 mm	18
Y	18 X 250 mm	18
Z	18 X 260 mm	18
AA	18 X 270 mm	18
AB	18 X 280 mm	18
AC	18 X 290 mm	18
AD	18 X 300 mm	18
AE	18 X 310 mm	18
AF	18 X 320 mm	18
AG	18 X 330 mm	18
AH	18 X 340 mm	18
AI	18 X 350 mm	18
AJ	18 X 360 mm	18
AK	18 X 370 mm	18
AL	18 X 380 mm	18
AM	18 X 390 mm	18
AN	18 X 400 mm	18
AO	18 X 410 mm	18
AP	18 X 420 mm	18
AQ	18 X 430 mm	18
AR	18 X 440 mm	18
AS	18 X 450 mm	18
AT	18 X 460 mm	18
AU	18 X 470 mm	18
AV	18 X 480 mm	18
AW	18 X 490 mm	18
AX	18 X 500 mm	18
AY	18 X 510 mm	18
AZ	18 X 520 mm	18
BA	18 X 530 mm	18
BB	18 X 540 mm	18
BC	18 X 550 mm	18
BD	18 X 560 mm	18
BE	18 X 570 mm	18
BF	18 X 580 mm	18
BG	18 X 590 mm	18
BH	18 X 600 mm	18
BI	18 X 610 mm	18
BJ	18 X 620 mm	18
BK	18 X 630 mm	18
BL	18 X 640 mm	18
BM	18 X 650 mm	18
BN	18 X 660 mm	18
BO	18 X 670 mm	18
BP	18 X 680 mm	18
BQ	18 X 690 mm	18
BR	18 X 700 mm	18
BS	18 X 710 mm	18
BT	18 X 720 mm	18
BU	18 X 730 mm	18
BV	18 X 740 mm	18
BW	18 X 750 mm	18
BX	18 X 760 mm	18
BY	18 X 770 mm	18
BZ	18 X 780 mm	18
CA	18 X 790 mm	18
CB	18 X 800 mm	18
CC	18 X 810 mm	18
CD	18 X 820 mm	18
CE	18 X 830 mm	18
CF	18 X 840 mm	18
CG	18 X 850 mm	18
CH	18 X 860 mm	18
CI	18 X 870 mm	18
CJ	18 X 880 mm	18
CK	18 X 890 mm	18
CL	18 X 900 mm	18
CM	18 X 910 mm	18
CN	18 X 920 mm	18
CO	18 X 930 mm	18
CP	18 X 940 mm	18
CQ	18 X 950 mm	18
CR	18 X 960 mm	18
CS	18 X 970 mm	18
CT	18 X 980 mm	18
CU	18 X 990 mm	18
CV	18 X 1000 mm	18

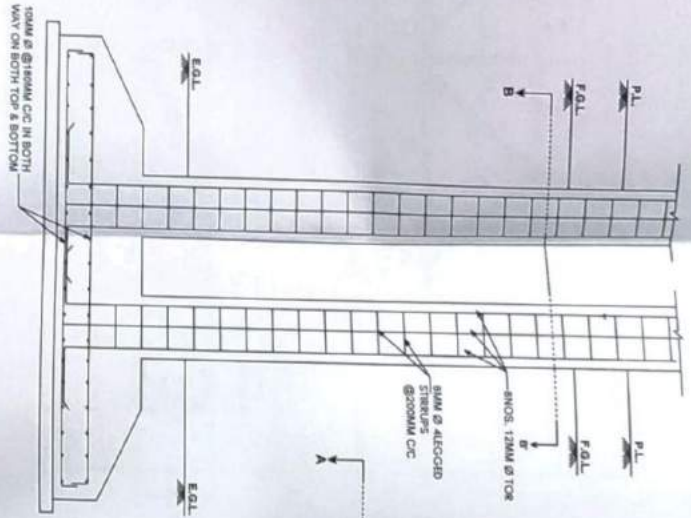
NAME	SIGNATURE	DATE	REV. NO.	REV. DT.	SHEET NO.	SCALE	SHEET SIZE	ALL DIMENSIONS ARE IN MM.
DRN. BY CHKD. BY APPVD. BY	N.BORO M. BURAGOHAN		01		1 OF 1	N.T.S.	A3	
CLIENT :	ASSAM ELECTRICITY GRID CORPORATION LTD							
CONSULTANT :	NESTECH ENTERPRISE, GUWAHATI, ASSAM							
DRG. TITLE :	33KV COLUMN C5 WITHOUT PEAK							
DRG. NO. :	NES/AEGCL/G/23-24/01							
DATE :	26.05.23							



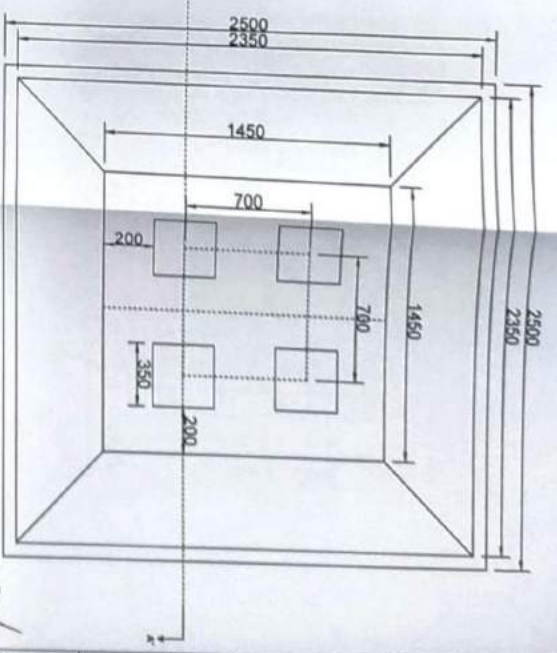
SECTION AT A-A'



SECTION AT B-B'
(ENLARGED)



SECTION AT A-A'
(TYPICAL)



SECTION AT A-A'

For Tender Reference Purpose only

NOTES:

1. ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. TOR STEEL CONFORMS TO IS - 1786 (F_a - 415)
3. F.G.L DENOTES FINISHED GROUND LEVEL
4. LAP LENGTH SHALL BE 40 TIMES DIA. OF BAR.
5. PROVIDE CLEAR COVER AS UNDER -
 - 50mm FOR BOTTOM & TOP REINFORCEMENT OF RAFT.
 - 50mm FOR COLUMN REINFORCEMENT.
 - 40mm FOR COLUMN REINFORCEMENT.
6. DO NOT SCALE THE DRAWING. ONLY WRITTEN DIMENSIONS SHALL BE FOLLOWED.
7. ANCHOR BOLTS AND OTHER EMBEDDED FIXTURES SHALL BE EMBEDDED DIRECTLY INTO CONCRETE WITH NECESSARY TEMPLATE.
8. UNLESS OTHERWISE NOTED ALL CONCRETE SHALL BE OF GRADE M20.
9. SAFE BEARING CAPACITY OF SOIL IS - 200 KN/SQ.M.

Deputy General Manager
Lower Assam T&T Circle
AEGCL, Narsingi, Guwahati-781025

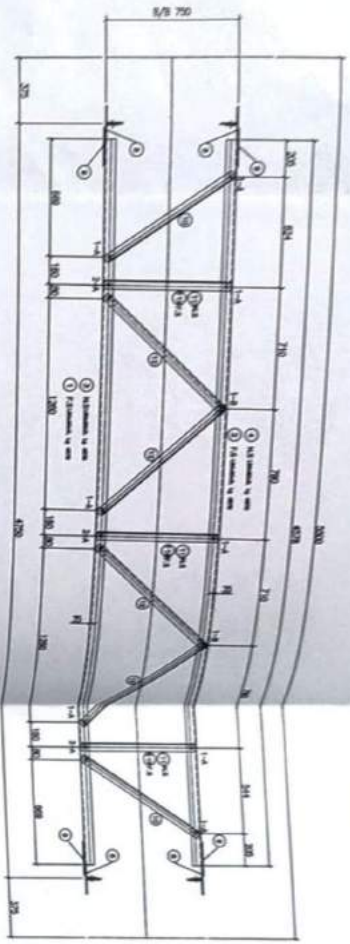
WO NO & DATE :	AEGCL/DGM/LACT/TLS-4(GTD)/2023/269 DTD:03.03.23
TITLE	FOUNDATION DETAILS FOR 33KV TOWER
CLIENT	ASSAM ELECTRICITY GRID CORPORATION LIMITED
CONSULTANT	NESTECH ENTERPRISE Email:-@nestechempricse.com Mob # 9678869331 # 6026801607
DRAWN BY	REHANA PARVEEN
SCALE	NOT TO SCALE
DATE	
APPROVED BY :	

CHECKED BY:

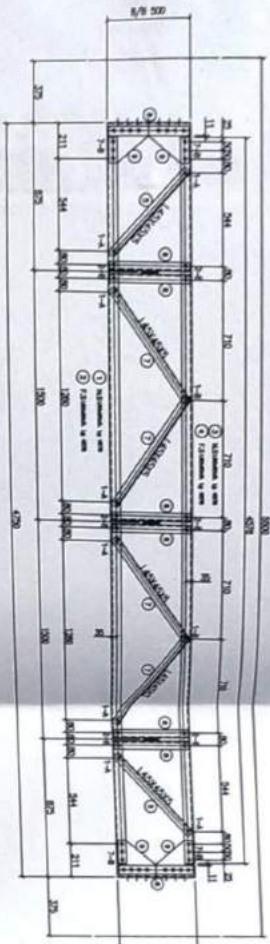
DESIGNED BY:

DRAWN BY:

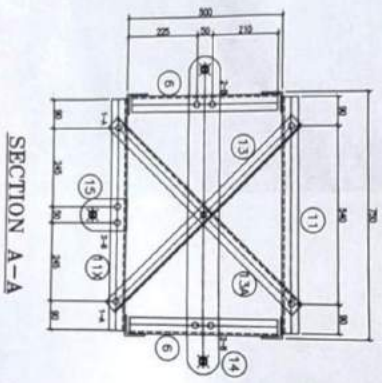
33KV BEAM B5



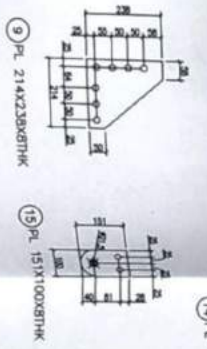
TOP & BOTTOM PLAN



ELEVATION (NPAR & FAR)



SECTION A-A



BOLTS AND NUTS STATEMENT		
TYPE	SIZE	QTY
A	# 14 X 135 mm	18
B	# 16 X 140 mm	150
C	# 16 X 45 mm	56
D	# 16 X 50 mm	16
E	# 16 X 55 mm	16
F	# 16 X 60 mm	16
G	# 16 X 65 mm	16
H	# 16 X 70 mm	16
I	# 16 X 75 mm	16
J	# 16 X 80 mm	16
K	# 16 X 85 mm	16
L	# 16 X 90 mm	16
M	# 16 X 95 mm	16
N	# 16 X 100 mm	16
O	# 16 X 105 mm	16
P	# 16 X 110 mm	16
Q	# 16 X 115 mm	16
R	# 16 X 120 mm	16
S	# 16 X 125 mm	16
T	# 16 X 130 mm	16
U	# 16 X 135 mm	16
V	# 16 X 140 mm	16
W	# 16 X 145 mm	16
X	# 16 X 150 mm	16
Y	# 16 X 155 mm	16
Z	# 16 X 160 mm	16
AA	# 16 X 165 mm	16
AB	# 16 X 170 mm	16
AC	# 16 X 175 mm	16
AD	# 16 X 180 mm	16
AE	# 16 X 185 mm	16
AF	# 16 X 190 mm	16
AG	# 16 X 195 mm	16
AH	# 16 X 200 mm	16
AI	# 16 X 205 mm	16
AJ	# 16 X 210 mm	16
AK	# 16 X 215 mm	16
AL	# 16 X 220 mm	16
AM	# 16 X 225 mm	16
AN	# 16 X 230 mm	16
AO	# 16 X 235 mm	16
AP	# 16 X 240 mm	16
AQ	# 16 X 245 mm	16
AR	# 16 X 250 mm	16
AS	# 16 X 255 mm	16
AT	# 16 X 260 mm	16
AU	# 16 X 265 mm	16
AV	# 16 X 270 mm	16
AW	# 16 X 275 mm	16
AX	# 16 X 280 mm	16
AY	# 16 X 285 mm	16
AZ	# 16 X 290 mm	16
BA	# 16 X 295 mm	16
BB	# 16 X 300 mm	16
BC	# 16 X 305 mm	16
BD	# 16 X 310 mm	16
BE	# 16 X 315 mm	16
BF	# 16 X 320 mm	16
BG	# 16 X 325 mm	16
BH	# 16 X 330 mm	16
BI	# 16 X 335 mm	16
BJ	# 16 X 340 mm	16
BK	# 16 X 345 mm	16
BL	# 16 X 350 mm	16
BM	# 16 X 355 mm	16
BN	# 16 X 360 mm	16
BO	# 16 X 365 mm	16
BP	# 16 X 370 mm	16
BQ	# 16 X 375 mm	16
BR	# 16 X 380 mm	16
BS	# 16 X 385 mm	16
BT	# 16 X 390 mm	16
BU	# 16 X 395 mm	16
BV	# 16 X 400 mm	16
BW	# 16 X 405 mm	16
BX	# 16 X 410 mm	16
BY	# 16 X 415 mm	16
BZ	# 16 X 420 mm	16
CA	# 16 X 425 mm	16
CB	# 16 X 430 mm	16
CC	# 16 X 435 mm	16
CD	# 16 X 440 mm	16
CE	# 16 X 445 mm	16
CF	# 16 X 450 mm	16
CG	# 16 X 455 mm	16
CH	# 16 X 460 mm	16
CI	# 16 X 465 mm	16
CJ	# 16 X 470 mm	16
CK	# 16 X 475 mm	16
CL	# 16 X 480 mm	16
CM	# 16 X 485 mm	16
CN	# 16 X 490 mm	16
CO	# 16 X 495 mm	16
CP	# 16 X 500 mm	16
CQ	# 16 X 505 mm	16
CR	# 16 X 510 mm	16
CS	# 16 X 515 mm	16
CT	# 16 X 520 mm	16
CU	# 16 X 525 mm	16
CV	# 16 X 530 mm	16
CV	# 16 X 535 mm	16
CV	# 16 X 540 mm	16
CV	# 16 X 545 mm	16
CV	# 16 X 550 mm	16
CV	# 16 X 555 mm	16
CV	# 16 X 560 mm	16
CV	# 16 X 565 mm	16
CV	# 16 X 570 mm	16
CV	# 16 X 575 mm	16
CV	# 16 X 580 mm	16
CV	# 16 X 585 mm	16
CV	# 16 X 590 mm	16
CV	# 16 X 595 mm	16
CV	# 16 X 600 mm	16
CV	# 16 X 605 mm	16
CV	# 16 X 610 mm	16
CV	# 16 X 615 mm	16
CV	# 16 X 620 mm	16
CV	# 16 X 625 mm	16
CV	# 16 X 630 mm	16
CV	# 16 X 635 mm	16
CV	# 16 X 640 mm	16
CV	# 16 X 645 mm	16
CV	# 16 X 650 mm	16
CV	# 16 X 655 mm	16
CV	# 16 X 660 mm	16
CV	# 16 X 665 mm	16
CV	# 16 X 670 mm	16
CV	# 16 X 675 mm	16
CV	# 16 X 680 mm	16
CV	# 16 X 685 mm	16
CV	# 16 X 690 mm	16
CV	# 16 X 695 mm	16
CV	# 16 X 700 mm	16
CV	# 16 X 705 mm	16
CV	# 16 X 710 mm	16
CV	# 16 X 715 mm	16
CV	# 16 X 720 mm	16
CV	# 16 X 725 mm	16
CV	# 16 X 730 mm	16
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CV	# 16 X 740 mm	16
CV	# 16 X 745 mm	16
CV	# 16 X 750 mm	16
CV	# 16 X 755 mm	16
CV	# 16 X 760 mm	16
CV	# 16 X 765 mm	16
CV	# 16 X 770 mm	16
CV	# 16 X 775 mm	16
CV	# 16 X 780 mm	16
CV	# 16 X 785 mm	16
CV	# 16 X 790 mm	16
CV	# 16 X 795 mm	16
CV	# 16 X 800 mm	16
CV	# 16 X 805 mm	16
CV	# 16 X 810 mm	16
CV	# 16 X 815 mm	16
CV	# 16 X 820 mm	16
CV	# 16 X 825 mm	16
CV	# 16 X 830 mm	16
CV	# 16 X 835 mm	16
CV	# 16 X 840 mm	16
CV	# 16 X 845 mm	16
CV	# 16 X 850 mm	16
CV	# 16 X 855 mm	16
CV	# 16 X 860 mm	16
CV	# 16 X 865 mm	16
CV	# 16 X 870 mm	16
CV	# 16 X 875 mm	16
CV	# 16 X 880 mm	16
CV	# 16 X 885 mm	16
CV	# 16 X 890 mm	16
CV	# 16 X 895 mm	16
CV	# 16 X 900 mm	16
CV	# 16 X 905 mm	16
CV	# 16 X 910 mm	16
CV	# 16 X 915 mm	16
CV	# 16 X 920 mm	16
CV	# 16 X 925 mm	16
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CV	# 16 X 970 mm	16
CV	# 16 X 975 mm	16
CV	# 16 X 980 mm	16
CV	# 16 X 985 mm	16
CV	# 16 X 990 mm	16
CV	# 16 X 995 mm	16
CV	# 16 X 1000 mm	16

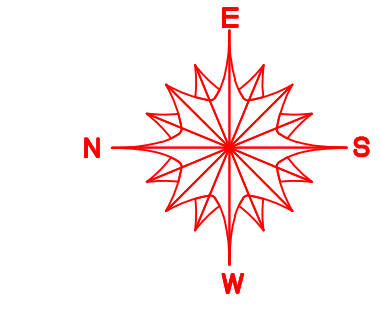
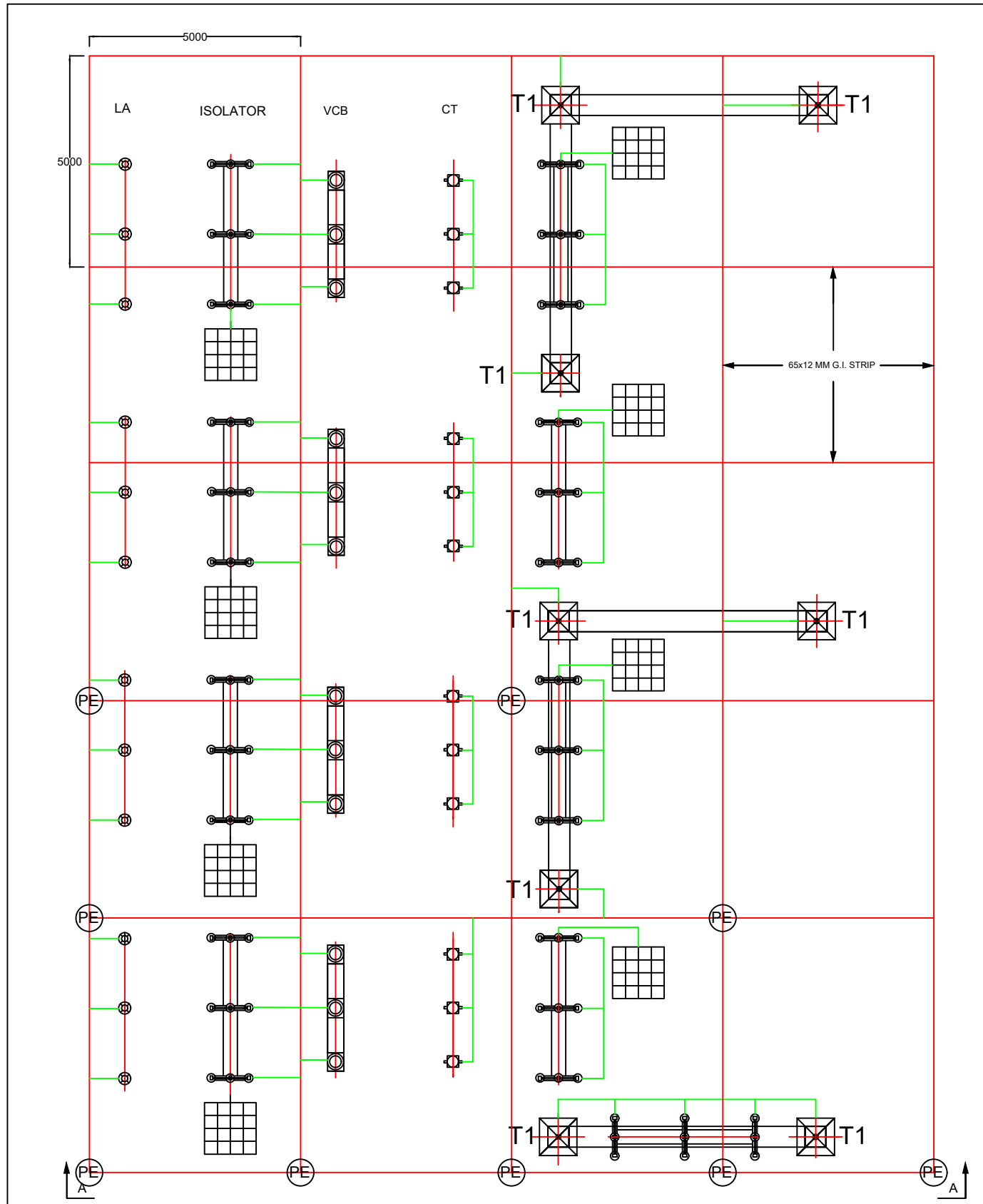
Sl. NO.	SECTION (mm)	Length (mm)	Unit Wt. (kg/m)	Wt. (kg)	Sl. NO.	SECTION (mm)	Length (mm)	Unit Wt. (kg/m)	Wt. (kg)
1	MS 160X60X5	420	4.50	189.0	1	MS 160X60X5	420	4.50	189.0
2	MS 160X60X5	420	4.50	189.0	2	MS 160X60X5	420	4.50	189.0
3	MS 160X60X5	420	4.50	189.0	3	MS 160X60X5	420	4.50	189.0
4	MS 160X60X5	420	4.50	189.0	4	MS 160X60X5	420	4.50	189.0
5	MS 160X60X5	420	4.50	189.0	5	MS 160X60X5	420	4.50	189.0
6	MS 160X60X5	420	4.50	189.0	6	MS 160X60X5	420	4.50	189.0
7	MS 160X60X5	420	4.50	189.0	7	MS 160X60X5	420	4.50	189.0
8	MS 160X60X5	420	4.50	189.0	8	MS 160X60X5	420	4.50	189.0
9	MS 160X60X5	420	4.50	189.0	9	MS 160X60X5	420	4.50	189.0
10	MS 160X60X5	420	4.50	189.0	10	MS 160X60X5	420	4.50	189.0
11	MS 160X60X5	420	4.50	189.0	11	MS 160X60X5	420	4.50	189.0
12	MS 160X60X5	420	4.50	189.0	12	MS 160X60X5	420	4.50	189.0
13	MS 160X60X5	420	4.50	189.0	13	MS 160X60X5	420	4.50	189.0
14	MS 160X60X5	420	4.50	189.0	14	MS 160X60X5	420	4.50	189.0
15	MS 160X60X5	420	4.50	189.0	15	MS 160X60X5	420	4.50	189.0
16	MS 160X60X5	420	4.50	189.0	16	MS 160X60X5	420	4.50	189.0
17	MS 160X60X5	420	4.50	189.0	17	MS 160X60X5	420	4.50	189.0
18	MS 160X60X5	420	4.50	189.0	18	MS 160X60X5	420	4.50	189.0
19	MS 160X60X5	420	4.50	189.0	19	MS 160X60X5	420	4.50	189.0
20	MS 160X60X5	420	4.50	189.0	20	MS 160X60X5	420	4.50	189.0
Total Weight of Structure in Kgs. 279.00									

- NOTES:
- ALL DIMENSIONS ARE IN mm. UNLESS OTHERWISE SPECIFIED.
 - BOLT SYMBOLS 12# = 12.5# HOLES 14# = 14.5# HOLES 16# STEP BOLT = 17.5# HOLES (NOMINALLY SPACED)
 - 2.5# = 25# HOLES
 - ALL ERECTION MARKS ARE TO BE PROVIDED WITH "BE-"
 - STRUCTURAL STEEL SHALL BE AS FOLLOWS (I) WILD STEEL - E250C WITH TENSILE STRENGTH Fy=250N/MM² (II) HIGH TENSILE STEEL-E250C Fy=250N/MM²
 - BOLTS & NUTS AS PER IS:12757-1984 CONFORMING TO GRADE-5.8
 - QUICKWASING SHALL CONFORM TO IS:2025-1981 & IS:4739-1986
 - QUICKWASHER SHALL BE CONFORM TO IS:2025-1981

For Tender Reference Purpose only

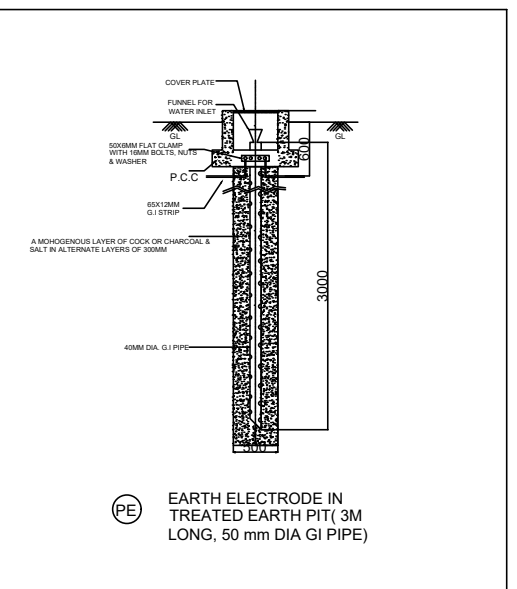
NAME	SIGNATURE	DATE	REV. NO.	REV. DT.	SHEET NO.	SCALE	SHEET SIZE	ALL DIMENSIONS ARE IN MM.
DRN. BY			01		1 OF 1	N.T.S	A3	
CHKD. BY								
APPVD. BY								
CLIENT :	ASSAM ELECTRICITY GRID CORPORATION LTD							
CONSULTANT :	NESTECH ENTERPRISE, GUWAHATI, ASSAM							
DRG. TITLE :	33KV BEAM B5							
DRG. NO. :	NES/NEGCL/BEAM/23-24/01							
DATE :	26.05.23							

EARTHING LAYOUT OF 132/33 KV SISHUGRAM SS

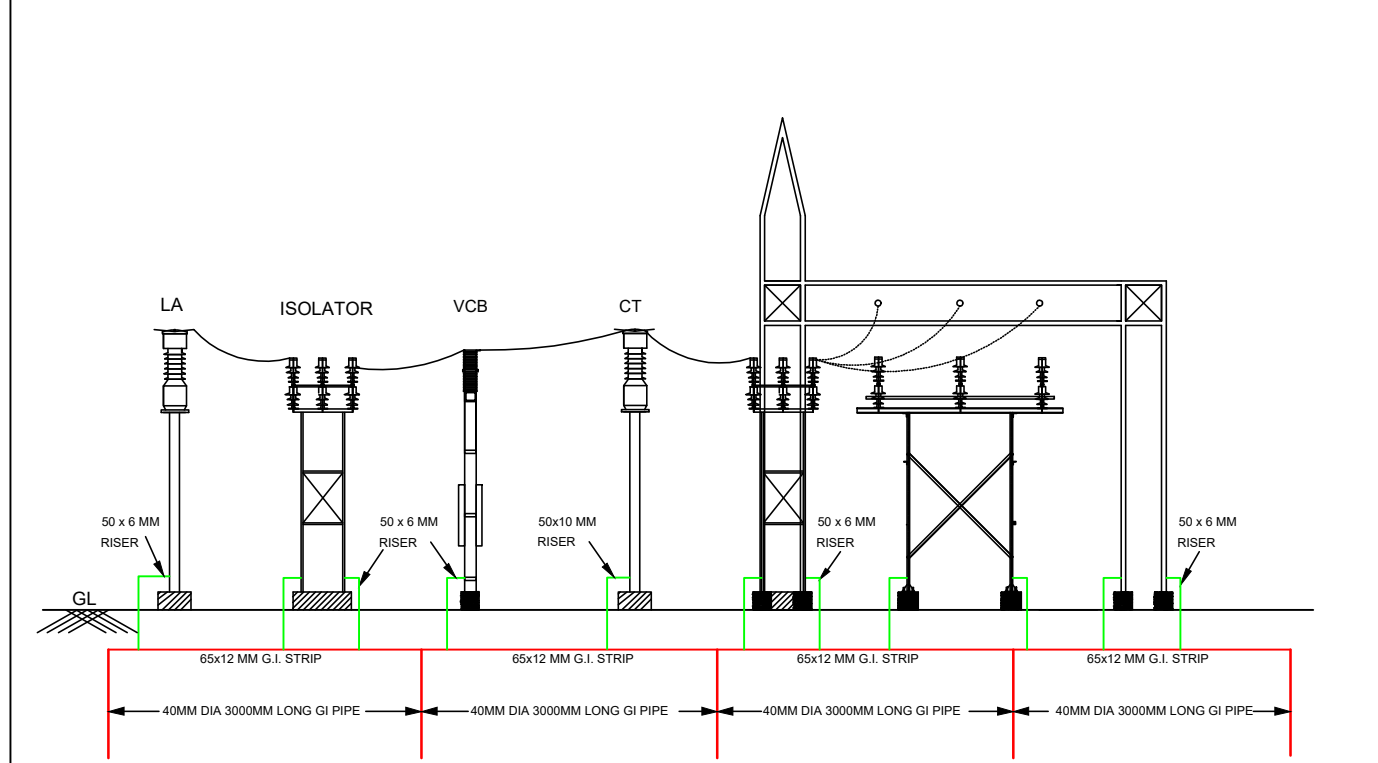


For Tender Reference Purpose only

- GENERAL NOTE:**
1. 33KV LA will have separate earth pit.
 2. All ground connection shall be made by electric arc welding. All welded joints shall be made cool down gradually to atmospheric temperature before putting any load on it.
 3. The earth mat design shall be as per IS 3045 and IEEE-Std 80 Latest versions
 4. Grid resistance value shall be marked with date of testing on earth pit cover.
 5. Test value of grid resistance and pit resistance shall be marked on top of the earth pit covers.
 6. Metering panel and 2 pole structure shall be made separately earthed.
 7. Aux. mat shall be connected to the main mat from at least two side.
 8. Armour of HT cable shall be earthed.
 9. All the equipments and structures shall be connected to the main mat by two redundant points.



SL. NO.	CODE	DESCRIPTION	QTY
1	—	65X12 MM G.I. STRIP	250 Meter
2	—	50 x 6 MM GI RISER	80 Meter
3	(PE)	EARTH ELECTRODE 50 MM DIA, 3000 MM LONG GI PIPE	9 Nos
4	Grid	1500MM X 1500 MM SATELITE EARTH MAT FOR ISO(GI FLAT 65MM X 12MM)	4 Nos



SECTION A-A

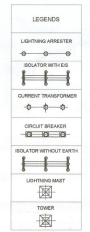
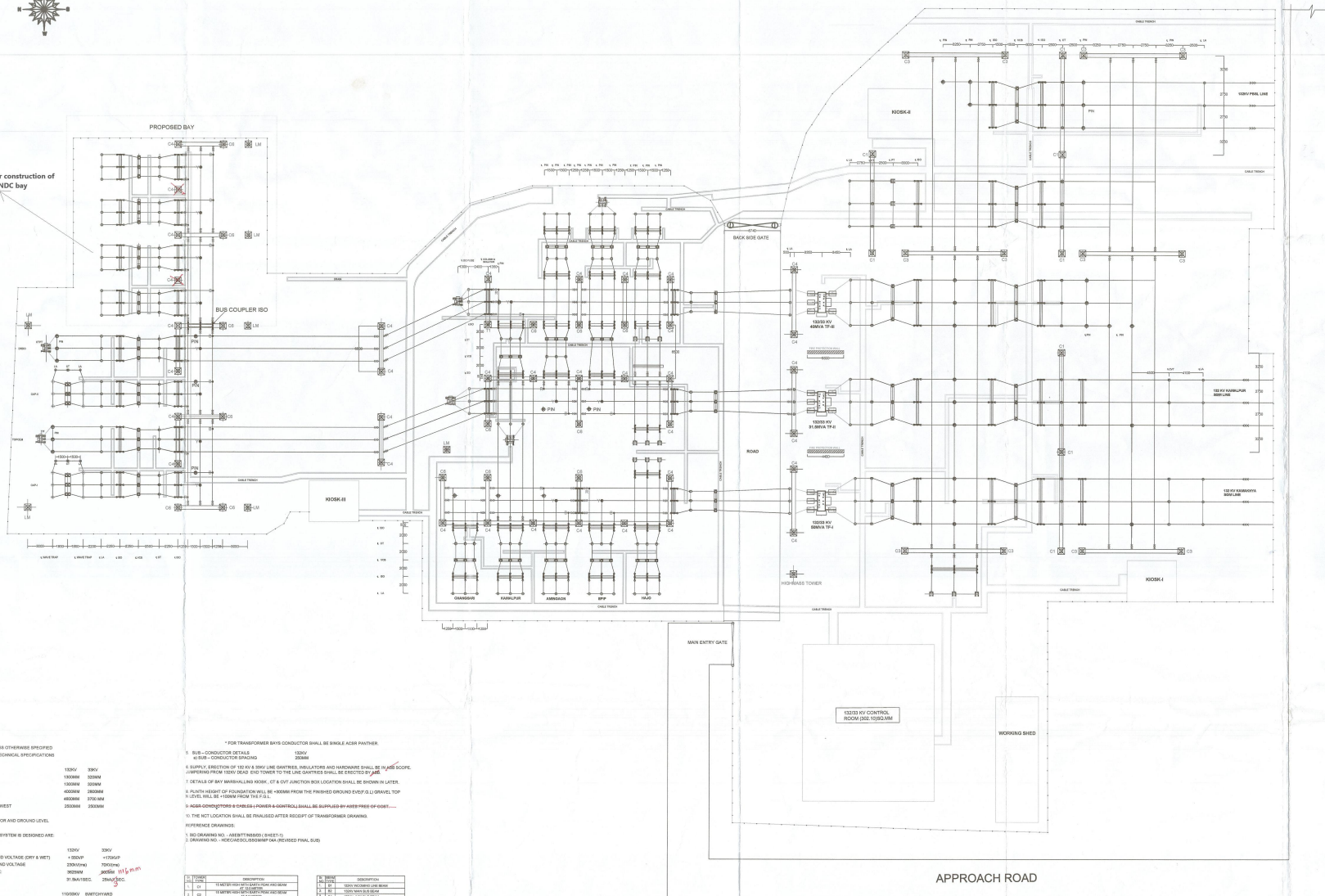
DRN. BY	NAME	SIGNATURE	DATE	SHEET NO.	SCALE	SHEET SIZE	ALL DIMENSIONS ARE IN MM.
CHKD. BY	M. BURAGOHAIN			1 OF 1	N.T.S	A3	
APPVD. BY							

CLIENT :	ASSAM ELECTRICAL GRID CORPORATION LTD
CONSULTANT :	NESTECH ENTERPRISE , GUWAHATI, ASSAM PH 9678869331
DRG. TITLE :	EARTHING LAYOUT OF 132/33KV SISHUGRAM GSS (Extended Portion)
DRG. NO. :	NES/EARTHING/AEGCL/22-23/02
	DATE : 01.05.23

132/33 KV SISHUGRAM GRID SUB STATION



Tentative site for construction of proposed 33KV NDC bay
For Tender Reference purpose only



- NOTES:
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
 - MINIMUM CLEARANCE ARE AS PER TECHNICAL SPECIFICATIONS
 - PARAMETERS FOR WHICH THE SYSTEM IS DESIGNED ARE:
 - SYSTEM VOLTAGE (PHV) 132KV 33KV
 - LIGHTNING SURGE WITHSTAND VOLTAGE (SWV) 420KV 110KV
 - POWER FREQUENCY WITHSTAND VOLTAGE 230KV(M) 33KV(M)
 - INSULATING CLEARANCE 3000MM 3000MM
 - SWITCHING CLEARANCE 3000MM 3000MM
 - MARKING FAULT LEVEL 110KV SW/SHED
 - CONNECTION TYPES

LEVEL FROM PGL CONDUCTOR TYPE	132KV SW/VD	33KV SW/VD	132KV SW/VD	33KV SW/VD
H MAIN BUS	400MM	400MM	TWR ACER PANTHER	TWR ACER PANTHER
BACK BUS	100MM	100MM	SINGLE ACER PANTHER	SINGLE ACER WOLF
ISOLATOR TO BUS	400MM	400MM	SINGLE ACER PANTHER	SINGLE ACER WOLF
ISOLATOR	100MM	100MM	SINGLE ACER PANTHER	SINGLE ACER WOLF
ISOLATOR WIRE	100MM	100MM	TWR WOLF WIRE	TWR WOLF WIRE

Sl. No.	Description	Sl. No.	Description
1	Transformer	1	Transformer
2	Isolator	2	Isolator
3	Circuit Breaker	3	Circuit Breaker
4	Lightning Arrester	4	Lightning Arrester
5	Busbar	5	Busbar
6	Support Structure	6	Support Structure
7	Conductor	7	Conductor
8	Insulator	8	Insulator
9	Earthing	9	Earthing
10	Accessories	10	Accessories

* The columned head items to be used in this project shall be as per site condition and as per the Memo dated 18/05/2023.
* The entire system shall be coordinated with ACER India 2023 conductor under this project as per the Memo dated 18/05/2023.

APPROACH ROAD

LOCATION: 132/33KV SISHUGRAM GSS	CLIENT: ASSAM ELECTRICAL GRID CORPORATION LIMITED.
LOA NO:	CONTRACTOR: NESTECH ENTERPRISE, GUWAHATI, ASSAM PH 9678889331
CONTRACT NO:	CONSULTANT: NESTECH ENTERPRISE, GUWAHATI, ASSAM PH 9678889331
DRG TITLE: TYPICAL PLAN LAYOUT GSS	DRG NO: 132/33KV SISHUGRAM GSS TYPICAL PLAN LAYOUT GSS
DATE: 01.08.23	

NO.	NAME	SIGNATURE	DATE	REV. NO.	REV. DT.
1	M. BURAKHAN				



Checked by
Asst. Engineer
O/o the GM (P&D)

Checked by
Asst. Engineer
O/o the GM (P&D)

Checked by
Asst. Engineer
O/o the GM (P&D)

Checked by
Asst. Engineer
O/o the GM (P&D)

Checked by
Asst. Engineer
O/o the GM (P&D)