



ASSAM ELECTRICITY GRID CORPORATION LIMITED

OFFICE OF THE MANAGING DIRECTOR

Regd. Office: (FIRST FLOOR), BIJULEE BHAWAN, PALTANBAZAR; GUWAHATI - 781001

CIN: U40101AS2003SGC007238 GSTIN: 18AAFCA4973J9Z3

PHONE: 0361-2739520 Web: www.aegcl.co.in Email: cgm.ppd@aegcl.co.in



CORRIGENDUM-I

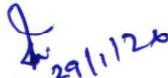
Bid Identification No.: AEGCL/MD/Tech-1205/Deposit/33kV B.Chariali Medical College Bay/2025/BID
IFB No.: AEGCL/MD/Tech-1205/Deposit/33kV B.Chariali Medical College Bay/2025/IFB, Dated 08.01.2026
NIT No.: AEGCL/MD/Tech-1205/Deposit/33kV B.Chariali Medical College Bay/2025/NIT, Dated 08.01.2026

Name of Work: "Turnkey Construction of 01 (one) no. of 33kV Feeder Bay for Biswanath Chariali Medical College at 132kV Pavoil GSS, AEGCL" under deposit scheme.

With reference to the Bid Identification No., IFB No. and NIT No., all bidders are requested to quote the price for **supply & erection of GI structures and construction of foundations** for the following items, as per the drawings attached below as **Annexure-I**:

1. 33kV Vacuum Circuit Breaker (VCB)
2. 33kV Current Transformer (CT)
3. 33kV Lighting Arrestor (LA)
4. 33kV Post Insulator (PI)
5. 33kV Isolators with and without Earth switch

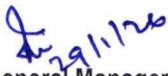
All other terms and conditions shall remain same.


Chief General Manager (PP&D)
Assam Electricity Grid Corporation Ltd
Bijulee Bhawan, Paltanbazar, Guwahati -1

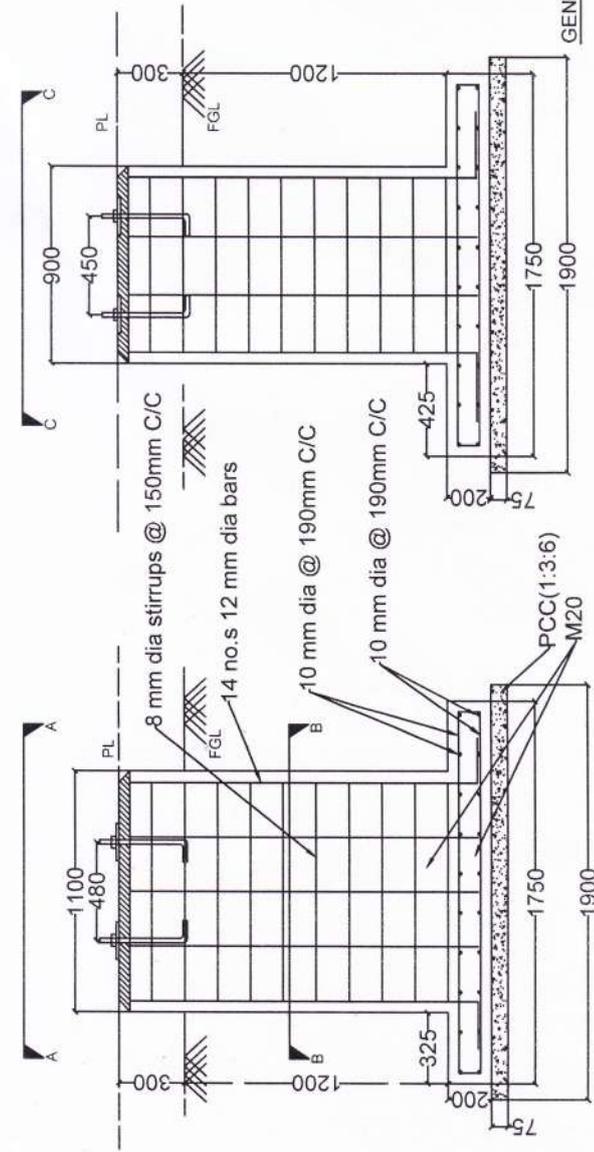
Memo No. AEGCL/MD/Tech-1205/Deposit/33kV B.Chariali Medical College Bay/2025/19 Dated: 29 01.2026

Copy to:

1. PS to the Managing Director, AEGCL for kind information to Managing Director, AEGCL
2. The AGM -IT, O/o the MD, AEGCL, for publication of the notice in AEGCL's Website.


Chief General Manager (PP&D)
Assam Electricity Grid Corporation Ltd

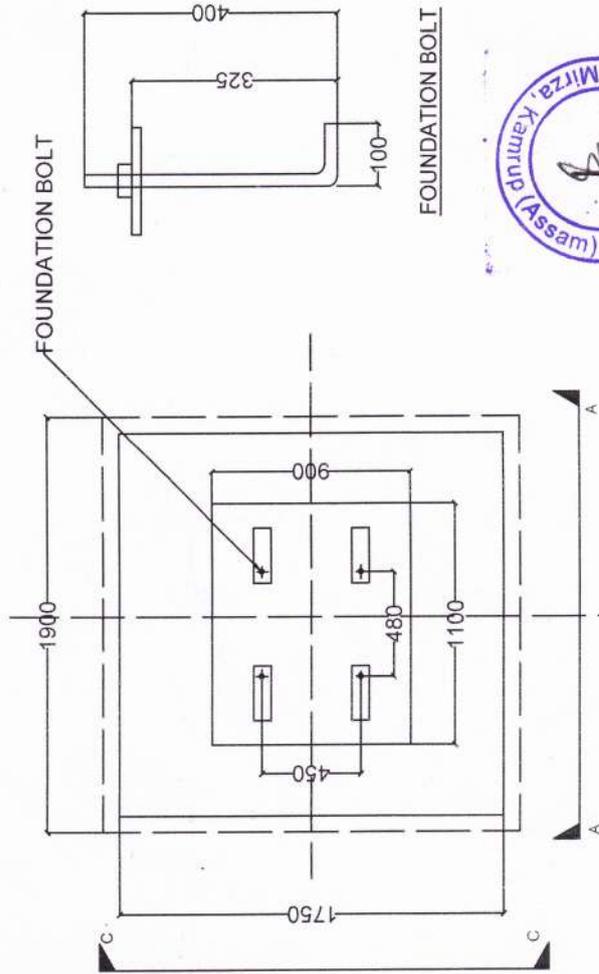
Annexure-I



SECTION A-A

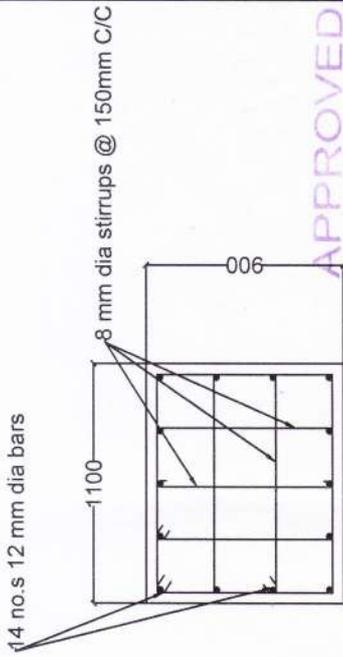
CONCRETE
(1:1.5:3)

SECTION C-C



FOUNDATION BOLT

FOUNDATION PLAN



SECTION B-B

GENERAL NOTES

1. ALL MEASUREMENTS ARE IN MM UNLESS OTHERWISE SPECIFIED.
2. IN THIS DRAWING REINFORCEMENT STEEL CONFORMS TO IS:1795-1985 OF GRADE Fe500.
3. LAP LENGTH SHALL BE 47TIMES OF DIA OF BAR.
4. PROVIDE CLEAR COVER TO REINFORCEMENT AS UNDER
>40mm BOTTOM TOP AND SIDE REINFORCEMENT OR RAFT.
>50mm FOR COLUMN
5. FOR DETAILS OF THE FOUNDATION BOLTS REFER APPROVED STRUCTURE DRAWING.
6. FOUNDATION BOLTS SHALL BE PLACED IN POSITION BEFORE CONCRETE IS CAST.
7. UNLESS OTHERWISE NOTED ALL RCC CONCRETE GRADE SHALL BE OF M20.
8. AGGREGATES SHALL BE CONFIRM TO IS:383. NOMINAL SIZE OF COURSE.
9. AGGREGATE SHALL BE 20MM COARSE SAND CONFORM TO GRADE II/III SHALL BE USED.
10. FGL DENOTES FINISHED GROUND LEVEL AND PL DENOTES PLINTH LEVEL.

APPROVED

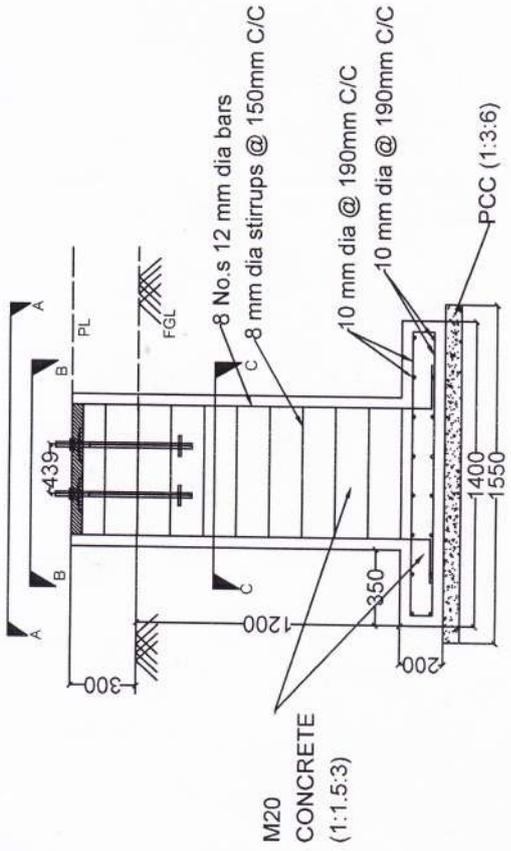
A. S. S. S.

Deputy General Manager (C)
(AEGCL, Bijulee Bhawan,
Paltanbazar, Guwahati-1)

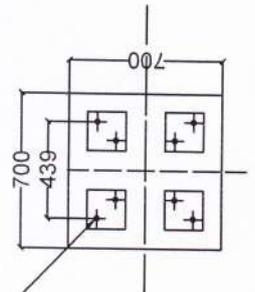
<u>CONTRACTOR:-</u>	P&S CONSTRUCTION, MIRZA
<u>PROJECT:-</u>	Construction of 1nos of IT Park Bay at 400KV Kukurmara(Mirza)GSS AEGCL
<u>DRAWING:-</u>	FOUNDATION DRAWING OF 33KV CB



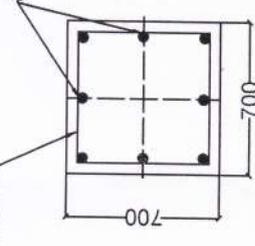
FOUNDATION BOLT HOLE



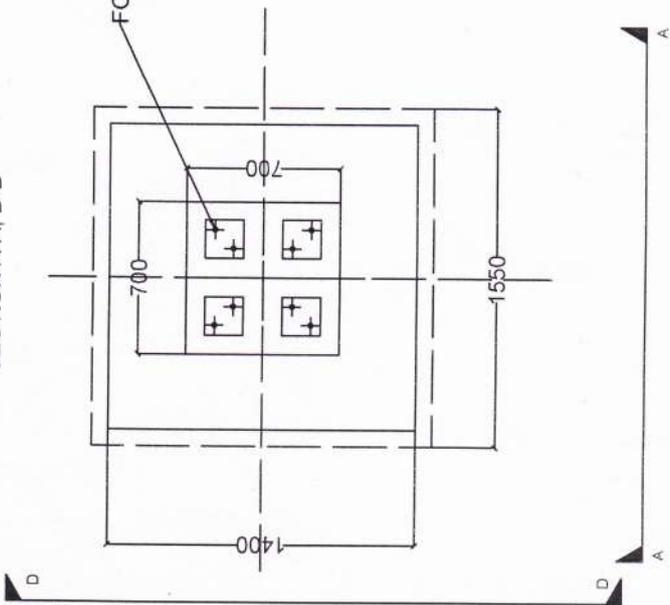
SECTION A-A, D-D



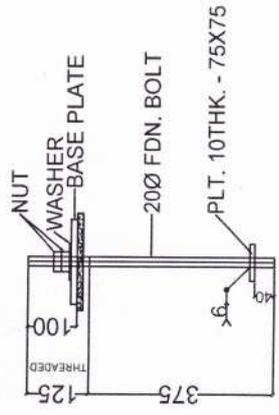
SECTION B-B (ENLARGED)



SECTION C-C (ENLARGED)



FOUNDATION PLAN



20 MM FDN. BOLT - QTY. 8NO.S



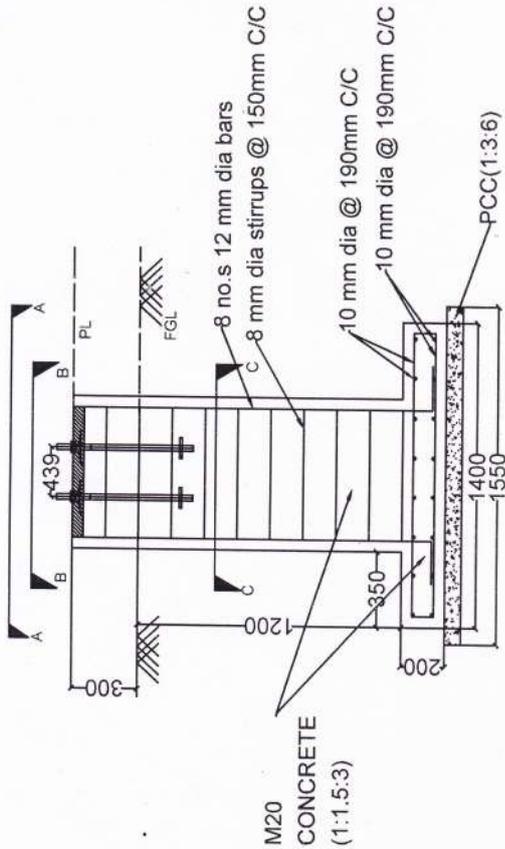
APPROVED
 Deputy General Manager (C)
 AEGCL, Bijulee Bihawan,
 Paltanbazar, Guwahati-1

GENERAL NOTES

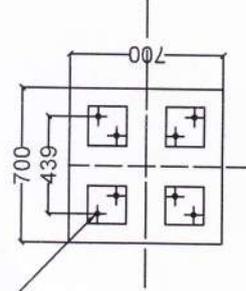
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 >40mm BOTTOM TOP AND SIDE REINFORCEMENT OR RAFT.
 >50mm FOR COLUMN
5. FOR DETAILS OF THE FOUNDATION BOLTS REFER APPROVED STRUCTURE DRAWING.
6. FOUNDATION BOLTS SHALL BE PLACED IN POSITION BEFORE CONCRETE IS CAST.
7. UNLESS OTHERWISE NOTED ALL RCC CONCRETE GRADE SHALL BE OF M20.
8. AGGREGATES SHALL BE CONFIRM TO IS:383. NOMINAL SIZE OF COURSE.
9. AGGREGATE SHALL BE 20MM COARSE SAND CONFORM TO GRADE III/III SHALL BE USED.
10. FGL DENOTES FINISHED GROUND LEVEL AND PL DENOTES PLINTH LEVEL.

<u>CONTRACTOR:-</u>	P&S CONSTRUCTION, MIRZA
<u>PROJECT:-</u>	Construction of 1nos of IT Park Bay at 400kV Kukurmara, GSS AEGCL
<u>DRAWING:-</u>	FOUNDATION DRAWING OF 33KV CT

FOUNDATION BOLT HOLE

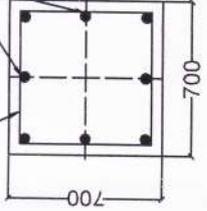


M20
CONCRETE
(1:1.5:3)



SECTION B-B
(ENLARGED)

8 mm dia stirrup @ 150c/c

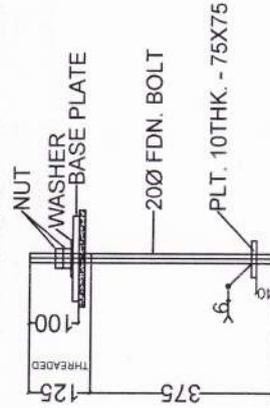


SECTION C-C
(ENLARGED)

GENERAL NOTES

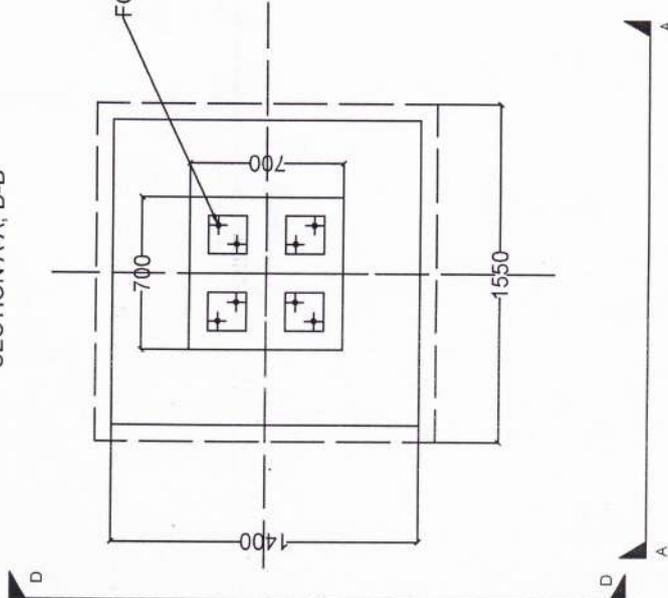
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10. FGL DENOTES FINISHED GROUND LEVEL AND PL DENOTES PLINTH LEVEL.

FOUNDATION BOLT HOLE



20 MM FDN. BOLT - QTY. 8NO.S

SECTION A-A, D-D



FOUNDATION PLAN

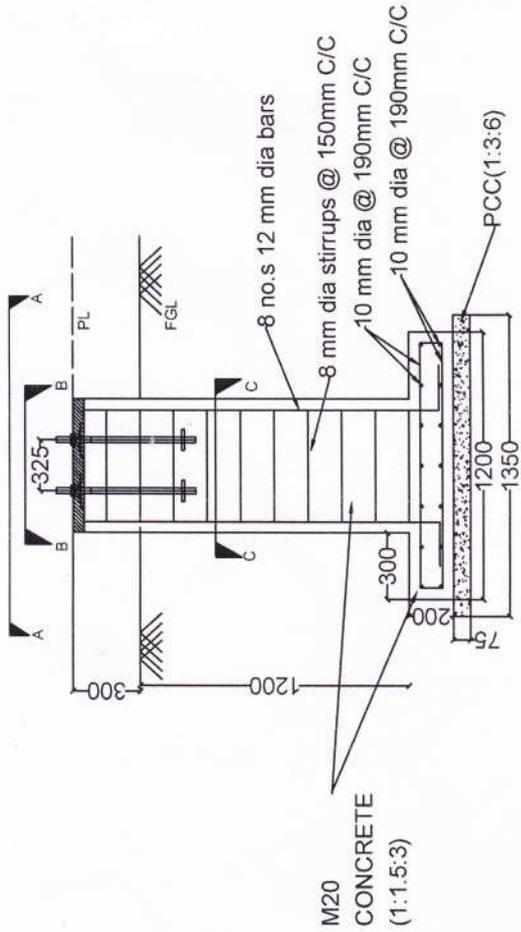
APPROVED

[Signature]

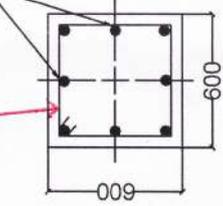
Deputy General Manager (C)
AEGCL, Bijulee Bhawan,
Paltanbazar, Guwahati-1

<u>CONTRACTOR:-</u>	P & S CONSTRUCTION, MIRZA
<u>PROJECT:-</u>	Construction of 1 nos of IT park bay at 400KV Kukurmara(Mirza)GSS AEGCL
<u>DRAWING:-</u>	FOUNDATION DRAWING OF 33KV PT

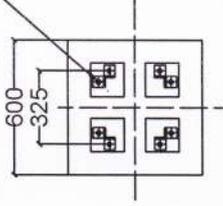




FOUNDATION BOLT HOLE 22mm
8mm dia stirrups @ 150 mm c/c.
 8 no.s 12mm dia Bars



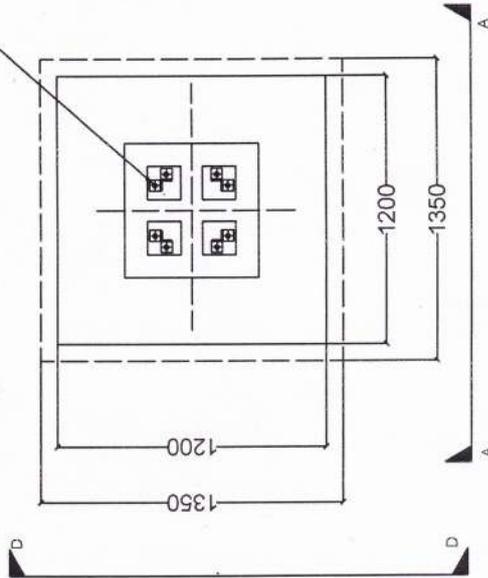
SECTION C-C
(ENLARGED)



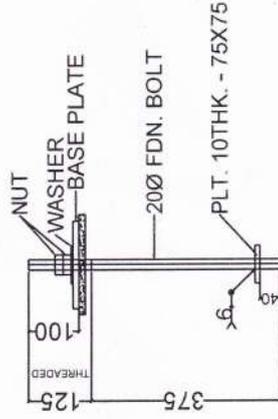
SECTION B-B
(ENLARGED)

SECTION A-A, D-D

FOUNDATION BOLT HOLE 22mm



FOUNDATION PLAN



20 MM FDN. BOLT - QTY. 8NO.S

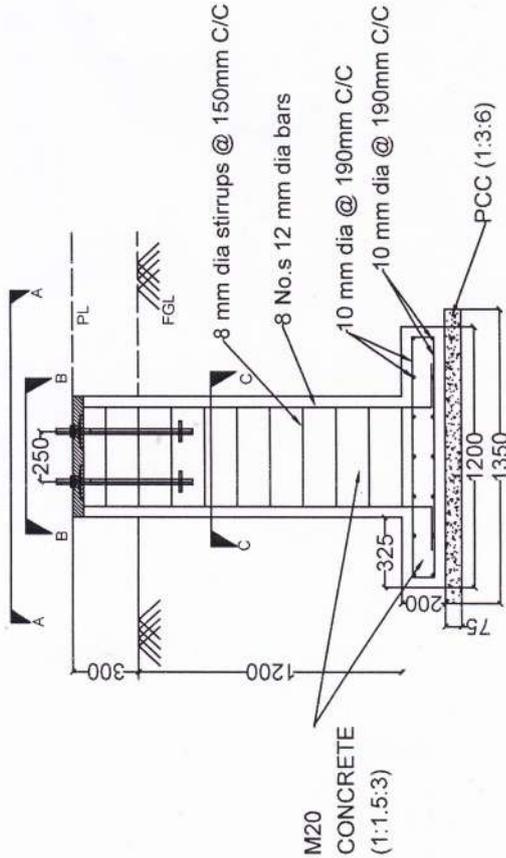
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APPROVED
[Signature]
 Deputy General Manager (C)
 AEGCL, Bijuilee Bhawan,
 Paltanbazar, Guwahati-1

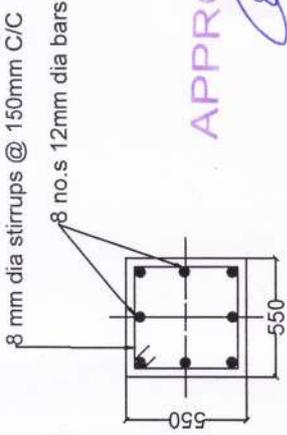
CONTRACTOR:-	P&S CONSTRUCTION, MIRZA
PROJECT:-	Construction of Inos of IT Park bay at 400kv Kukurmara GSS,AEGCL.
DRAWING:-	FOUNDATION DRAWING OF 33KV LA



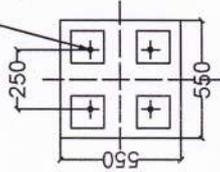


M20
CONCRETE
(1:1.5:3)

FOUNDATION BOLT HOLE



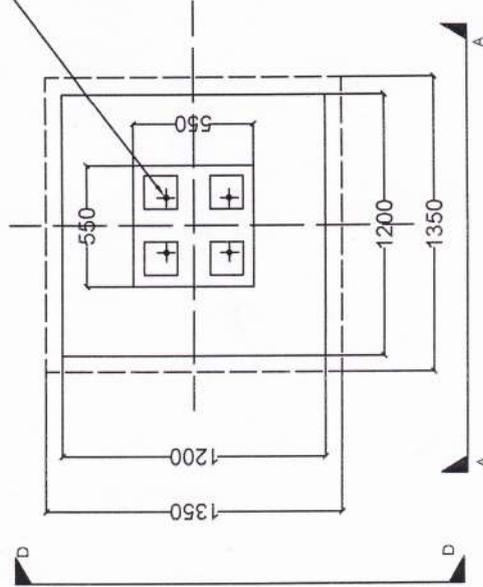
SECTION C-C
(ENLARGED)



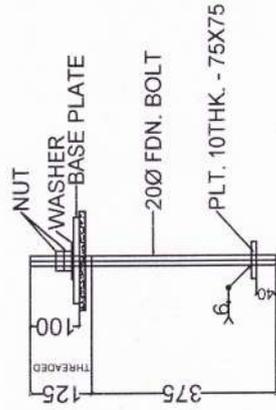
SECTION B-B
(ENLARGED)

SECTION A-A, D-D

FOUNDATION BOLT HOLE



FOUNDATION PLAN



20 MM FDN. BOLT - QTY. 4NO.S

GENERAL NOTES

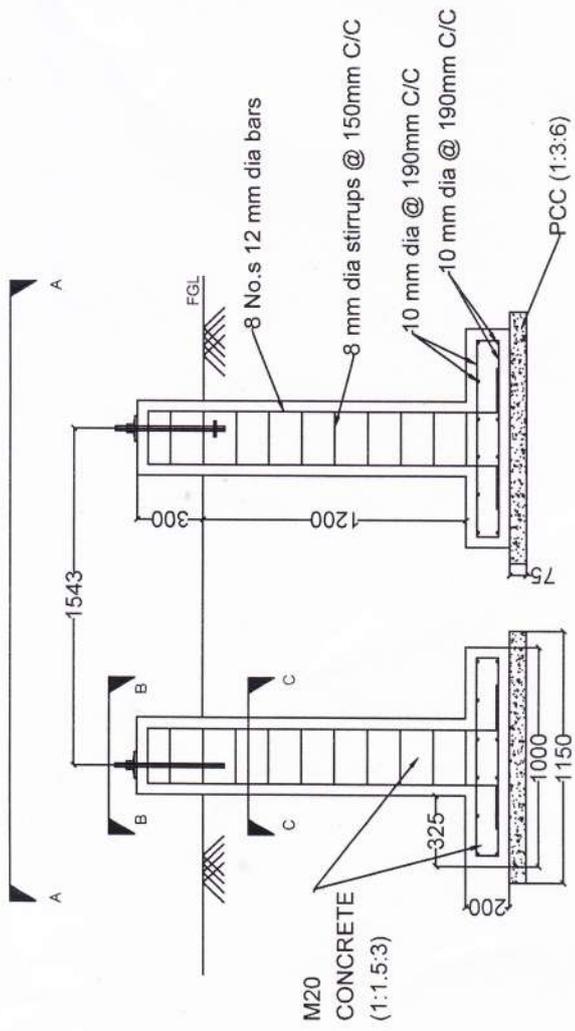
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10. FGL DENOTES FINISHED GROUND LEVEL AND PL DENOTES PLINTH LEVEL.

APPROVED

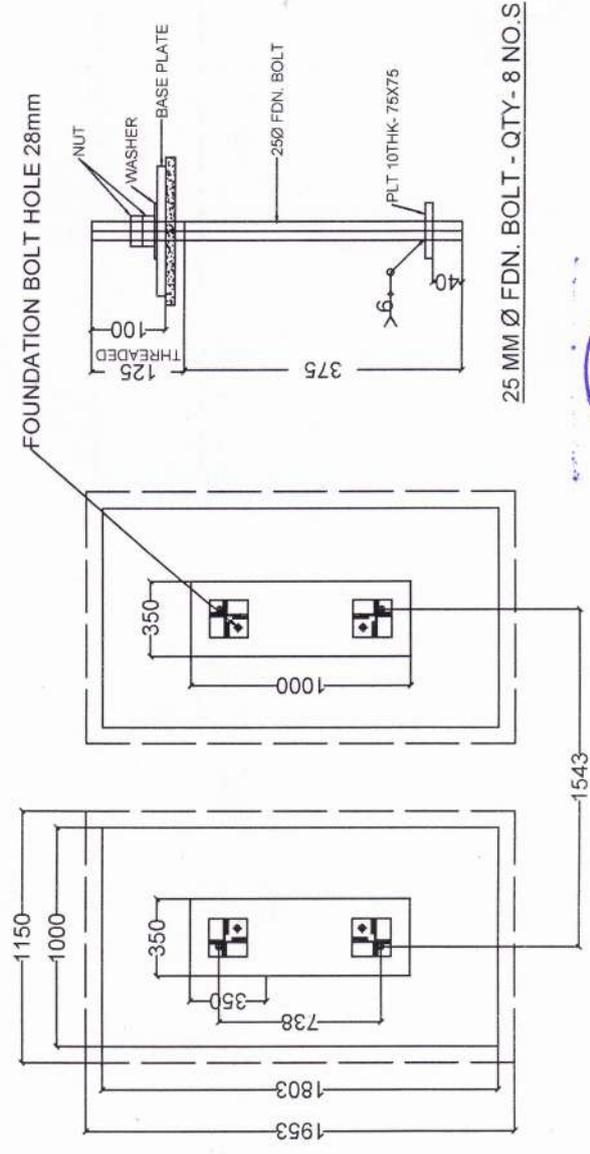
Deputy General Manager (C)
AEGCL, Bijulee Bhawan,
Paltanbazar, Guwahati-781001

<u>CONTRACTOR:-</u>	P&S CONSTRUCTION, MIRZA
<u>PROJECT:-</u>	Construction of 1nos of IT Park Bay at 400KV Kukurmara(Mirza)GSS AEGCL
<u>DRAWING:-</u>	FOUNDATION DRAWING OF 33KV PI



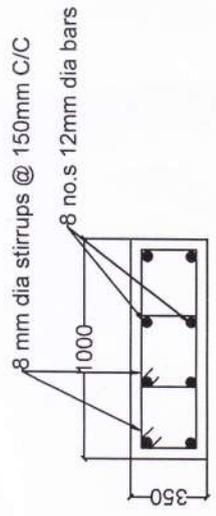


SECTION A-A, D-D



FOUNDATION PLAN

25 MM Ø FDN. BOLT - QTY - 8 NO.S



SECTION C-C

APPROVED
(Signature)
 Deputy General Manager (C)
 AEGCL, Bijulee Bhawan,
 Paltanbazar, Guwahati-1

GENERAL NOTES

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7. UNLESS OTHERWISE NOTED ALL RCC CONCRETE GRADE SHALL BE OF M20.
8. AGGREGATES SHALL BE CONFIRM TO IS:383. NOMINAL SIZE OF COURSE.
9. AGGREGATE SHALL BE 20MM COARSE SAND CONFORM TO GRADE III/II SHALL BE USED.
10. FGL DENOTES FINISHED GROUND LEVEL AND PL DENOTES PLINTH LEVEL.

CONTRACTOR:-	P&S CONSTRUCTION, MIRZA
PROJECT:-	Construction of 1nos of IT Park Bay at 400kV Kukurmara(Mirza)GSS AEGCL
DRAWING:-	FOUNDATION DRAWING OF 33KV DOUBLE BREAK C.R TYPE ISOLATOR WITH EARTH SWITCH

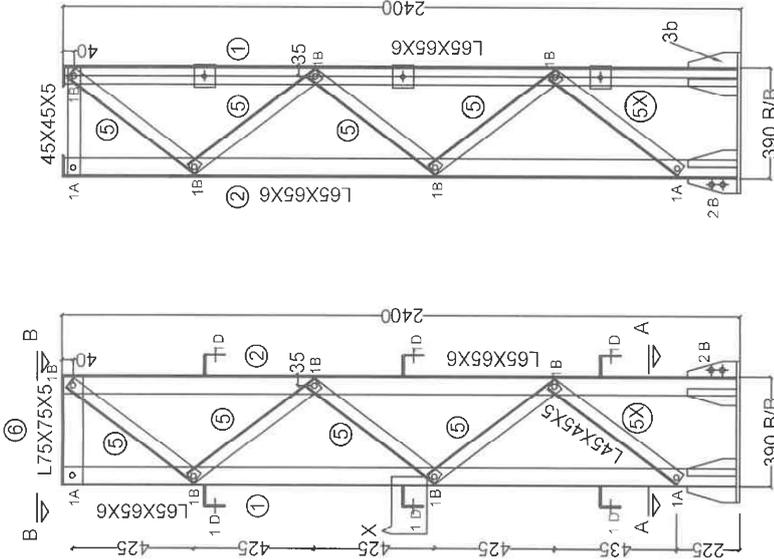
BILL OF MATERIALS

SI No.	Mark No.	Member	Section	Length IN MM	Qty./Set No.s	Unit Wt KG/M or KG/Sq	Wt/Pc Kgs	Wt/Set Kgs	Remarks
1	PT-1	LEG	65 X 65 X 6	2388	2	5.8	13.85	27.7	
2	PT-2	LEG	65 X 65 X 6	2388	2	5.8	13.85	27.7	
3	PT-3	BASE-PL	PL 12 X 175	175	4	94.2	2.885	11.54	WELDED
4	PT-3a	STIFFENER	PL 6 X 60	175	2	47.1	0.495	0.99	WELDED
5	PT-3b	STIFFENER	PL 6 X 60	175	14	47.1	0.495	6.93	WELDED
6	PT-4	CLEAT	75 X 75 X 6	80	6	6.8	0.544	3.26	WELDED
7	PT-5	BRACING	45 X 45 X 5	562	16	3.4	1.911	30.58	
8	PT-5X	BRACING	45 X 45 X 5	570	4	3.4	1.938	7.75	
9	PT-6	BRACING	75 X 75 X 6	370	2	6.8	2.516	5.03	
TOTAL WEIGHT OF THE STRUCTURE EXCLUDING FASTENERS (IN KG):							121.48		

NUT, BOLT & WASHER STATEMENT

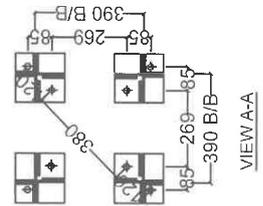
SL NO.	MARK	DESCRIPTION	UNIT WT (kg)	NOS.	TOTAL WT.(KG)
1	A	M-16 X 40	0.13	8	1.04
2	B	M-16 X 45	0.138	24	3.312
3	C	M-12 X 40	0.07	6	0.42
SPRING WASHER					
1		3.5mm THK	0.009	32	0.288
TOTAL WEIGHT OF FASTENERS (Kg)					5.06

TOTAL WEIGHT OF THE STRUCTURE EXCLUDING FASTENERS (IN KG):



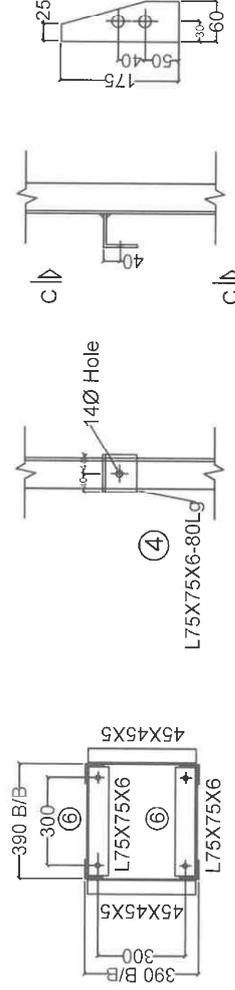
ELEVATION

SIDE VIEW



VIEW A-A

DETAIL OF BASE PLATE



VIEW B-B

VIEW C-C

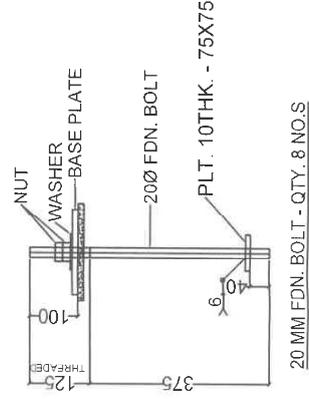
DETAIL-X

Mark 3a

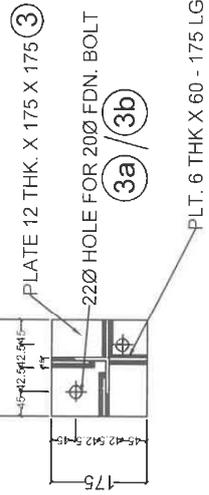


APPROVED

Deputy General Manager (C)
AEGCL, Bijulee Bhawan,
Paltanbazar, Guwahati-1



20 MM FDN. BOLT - QTY. 8 NOS.



(3a)/(3b)

PLT. 6 THK X 60 - 175 LG.

PLT. 10THK. - 75X75

PROJECT:-
CONSTRUCTION OF 33 KV IT feeder at 400 KV Kukurmara GSS

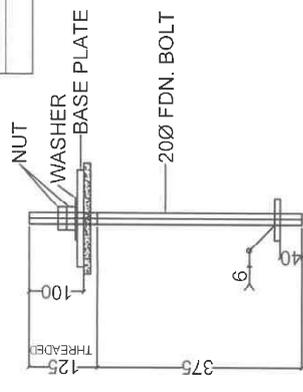
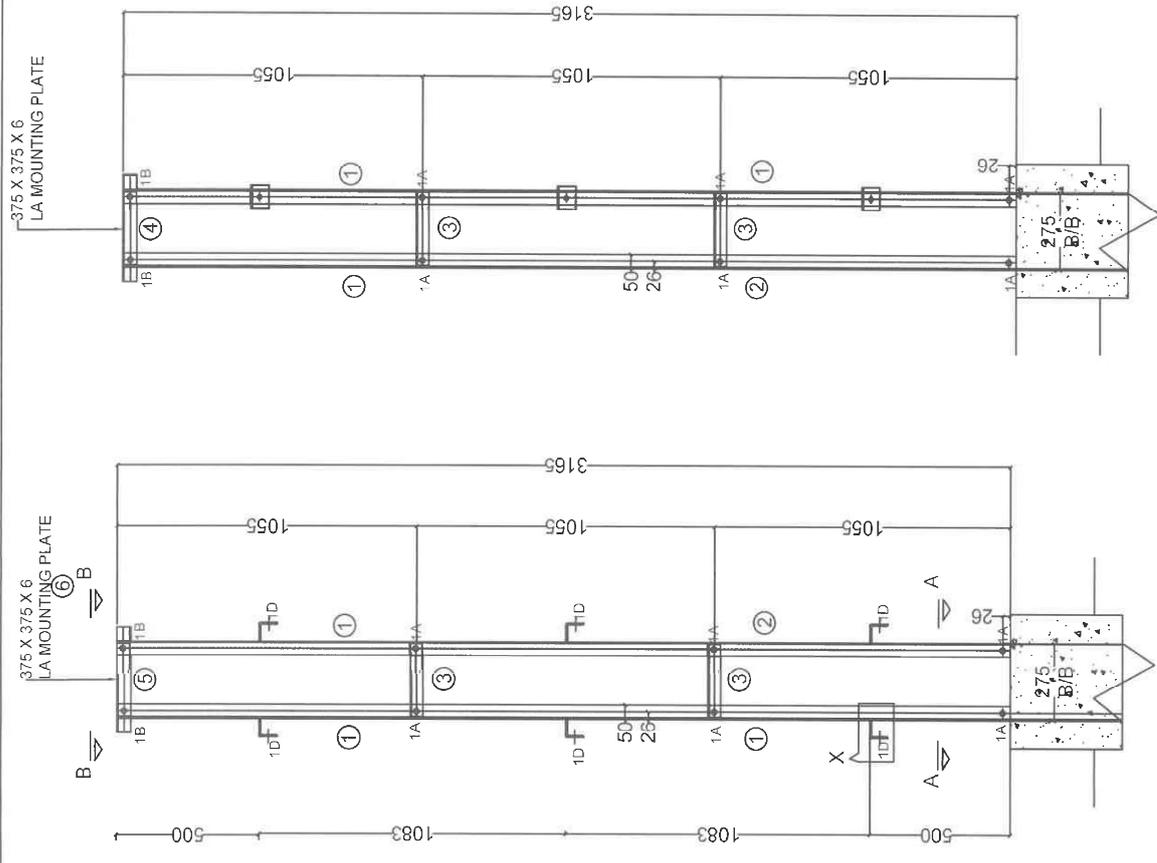
DRAWING:-
EQUIPMENT SUPPORT STRUCTURE FOR 33KV PT

BILL OF MATERIALS

Sl No.	Mark No.	Member	Section	Length IN MM	Qty./Set No.s	Unit Wt KG/M or KG/Sq	Wt/Pc Kgs	Wt/Set Kgs
1	LA-1	LEG	50 x 50 x 6	3165	2	4.49	14.211	28.42
2	LA-2	LEG	50 x 50 x 6	3165	2	4.49	14.211	28.42
3	LA-3	BRACING	45 X 45 X 5	259	8	3.4	0.881	7.05
4	LA-4	BRACING	50 x 50 x 6	375	2	4.49	1.684	3.37
5	LA-5	BRACING	50 x 50 x 6	275	2	4.49	1.235	2.47
6	LA-6	MOUNTING PLATE	375 x 6	375	1	47.1	6.623	6.62
7	LA-7	STIFFENER	50 x 50 x 6	50	8	4.49	0.225	1.8
8	LA-8	CLEAT	65 x 65 x 6	80	6	5.8	0.464	2.78
9	LA-9	BASE PLT.	12 x 150	150	4	94.2	2.12	8.48
TOTAL WEIGHT OF THE STRUCTURE EXCLUDING FASTENERS (IN KG):							89.41	

NUT, BOLT & WASHER STATEMENT

SL NO.	MARK	DESCRIPTION	UNIT WT (KG)	NOS.	TOTAL WT.(KG)
1 A	M- 16 X 40		0.13	24	3.12
2 B	M- 16 X 45		0.138	8	1.104
3 C	M- 12 X 40		0.07	6	0.42
		SPRING WASHER			
1	3.5mm THK		0.009	32	0.288
TOTAL WEIGHT OF FASTENERS (KG)					4.932

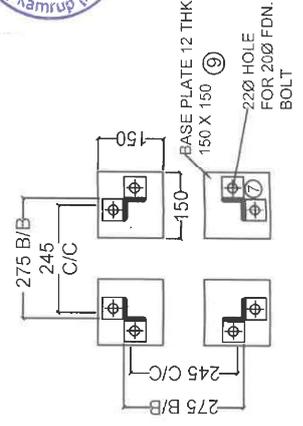


20 MM FDN. BOLT - QTY. 8 NO.S

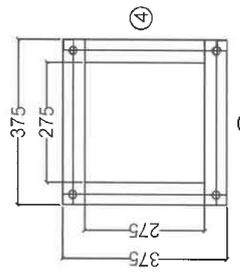


APPROVED

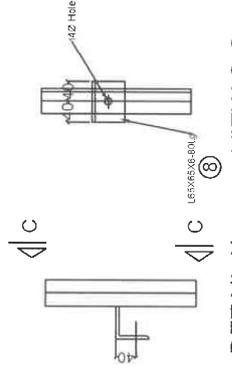
Deputy General Manager (C)
AEGCL, Bijulee Bhawan,
Paltanbazar, Guwahati-1



VIEW A-A



VIEW B-B



VIEW C-C

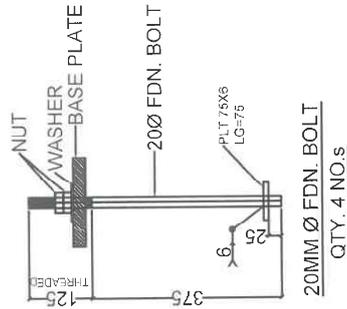
PROJECT:-	CONSTRUCTION OF 33 KV IT feeder at 400 KV Kukurmara GSS
DRAWING:-	EQUIPMENT SUPPORT STRUCTURE FOR 33KV LA

BILL OF MATERIALS

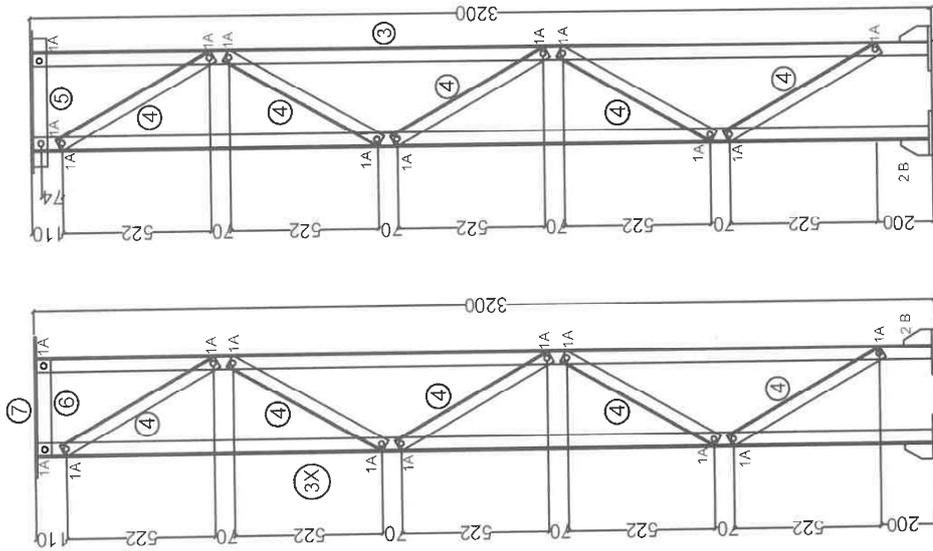
Sl No.	Mark No.	Member	Section	Length IN MM	Qty./Set No.s	Unit Wt KG/M or KG/SC	Wt/Pc Kgs	Wt/Set Kgs
1	PI-1	BASE-PL	12 X 150	150	4	94.2	2.12	8.48
2	PI-2	PLATE	6 X 50	100	8	47.1	0.236	1.89
3	PI-3	ANGLE	50 X 50 X 6	3180	2	4.5	14.31	28.62
4	PI-3X	ANGLE	50 X 50 X 6	3180	2	4.5	14.31	28.62
5	PI-4	ANGLE	45 X 45 X 5	629	20	3.4	2.139	42.78
6	PI-5	ANGLE	50 X 50 X 6	450	2	4.5	2.025	4.05
7	PI-6	ANGLE	50 X 50 X 6	350	2	4.5	1.575	3.15
8	PI-7	PLATE	8 X 500	500	1	62.8	15.7	15.7
TOTAL WEIGHT OF THE STRUCTURE EXCLUDING FASTENERS (IN KG):								133.29

NUT, BOLT & WASHER STATEMENT

SL NO.	MARK	DESCRIPTION	UNIT WT (K.g)	NOS.	TOTAL WT.(KG)
1	A	M- 16 X 40	0.13	48	6.24
2	B	M- 16 X 45	0.138	4	0.552
SPRING WASHER					
1		3.5mm THK	0.009	52	0.468
TOTAL WEIGHT OF FASTENERS (K.g)					7.26

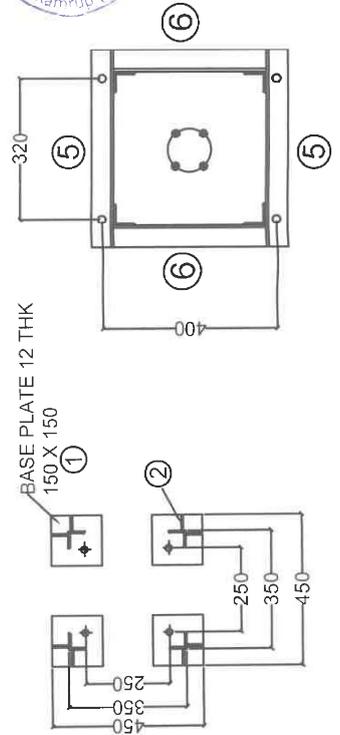


20MM Ø FDN. BOLT
QTY. 4 NO.S



ELEVATION

SIDE VIEW



BASE PLAN

TOP VIEW



APPROVED

NOTE: ALL DIMENSIONS ARE IN MM

PROJECT:-
CONSTRUCTION OF 33 kV IT feeder at
400 kV Kukurmara GSS

DRAWING:-
EQUIPMENT SUPPORT STRUCTURE
FOR 33KV PI

LDA NO: AEGCL/MD/TECH-1068 / Deposit 133KV Nagron Medical College/2023/24 DT: 07.07.23
 AND
 LDA NO: AEGCL/MD/TECH-1077 / KUKUMARA - RANVI Feeder/Deposit/2023/25 DT: 07.07.23

REGENERATE
P & S Construction

Approved
 CGM (PP&D)
 AEGCL

Approved
 General Manager (P&D)
 AEGCL



DRAWING FOR 33KV OUTDOOR PCVCB
PROJECT : P & S CONSTRUCTION.
CUSTOMER : AEGCL .

Checked by
 Asstt. Manager
 O/o the GM (P&D)

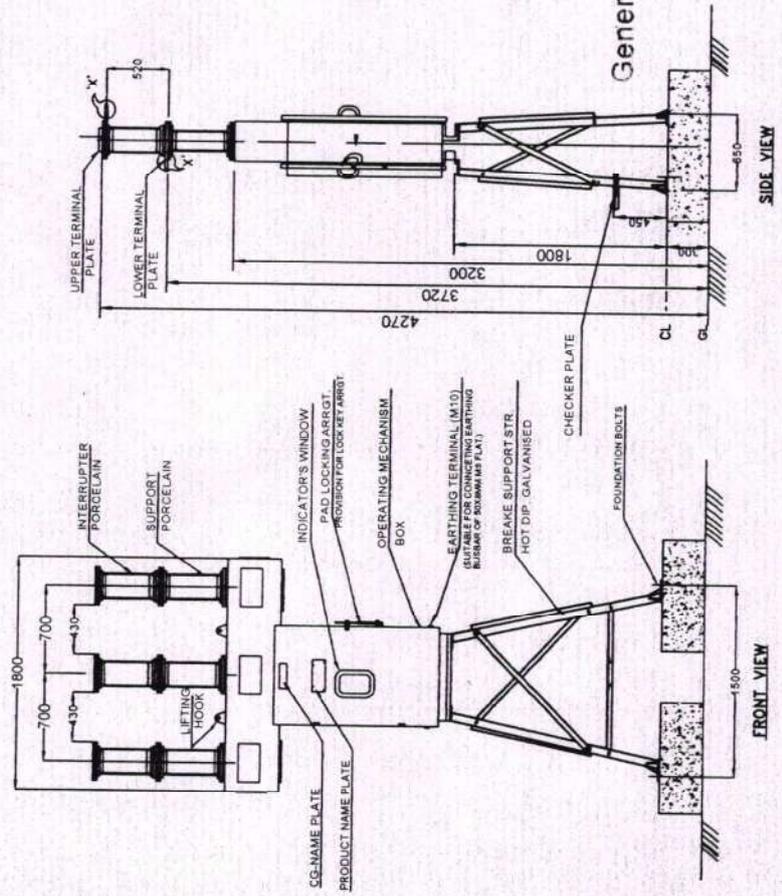
Checked
 AGM O/o the GM (P&D)

Checked
 DGM O/o the GM (P&D)

No	REVISION	DATE	DRAWN	ADS	24.11.23	DATE	DRG. NO.	COVERSHEET	REV 1
	REVISED AS PER AS01 & 02								
SHEET 1 OF 1					THIRD ANGLE PROJECTION				
APPD. VAC					26.08.23				
DRN. ADS					26.08.23				
NAME					DATE				
DRG. NO.					COVERSHEET				
W.O. NO.					PV7574				
 CG Power and Industrial Solutions Limited MV Switchgear Division Ambad, Nashik, India									

All information contained in this document is confidential and should not be used without prior consent of CG Power and Industrial Solutions Limited

FILE NAME: IF IN DOUBT, ASK
 DRG NO. PV7574GB
 REV 1



Approved
 General Manager (P&D)
 AEGCL

Checked
 DGM O/o the GM (P&D)

Checked by
 Asstt. Manager
 O/o the GM (P&D)

Checked
 AGM O/o the GM (P&D)

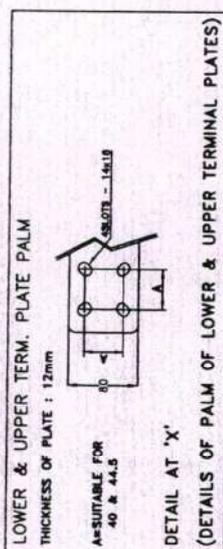


RATING:-	
RATED VOLTAGE	36KV
RATED CURRENT	1250A
BASIC INSULATION LEVEL	70KV r.m.s./ 170kVpk
SHORT TIME RATING	26.3sec r.m.s FOR 3sec (As per Crp)
SYSTEM	36KV, 50Hz EFFECTIVELY EARTHED
TOLERANCE	ON DIMENSIONS ±5%
DEGREE OF PROTECTION-	IP-55

- NOTES:-
- 1) FINISH: INTERIOR & EXTERIOR PAINT SHADE RAL 7032 AND ACCESSORIES MOUNTING PLATE SHALL BE MILKY WHITE.
 - 2) TOTAL CREEPAGE DISTANCE :- 900mm.(FOR INSULATORS)
 - 3) * :- TO INCREASE THE LOWEST LIVE PART TO GROUND CLEARANCE, CHANGE THE PLINTH HEIGHT, IF REQUIRED.
 - 4) OPERATION COUNTER, MECHANICAL ON-OFF INDICATOR, SPRING CHARGING HANDLE ARE PROVIDED.
 - 5) 2.5sq.mm, 1.1KV GRADE PVC INSULATED COLOUR CODED TINNED COPPER WIRE SHALL BE USED FOR ALL CONTROL CIRCUIT.
 - 6) COLOUR CODE: AC CKT.- BLACK & DC CKT.- GREY.
 - 7) SCREW TYPE TERMINAL BLOCK SHALL BE USED FOR ALL CIRCUIT.
 - 8) CONTROL CUBICAL SHALL BE MADE OF 3mm THICK CRCA SHEET STEEL AND COVERING SHEETS & DOORS SHALL BE MADE OF 2.0mm THICK.
 - 9) ALL EXPOSED HARDWARE M10 AND ABOVE SHALL BE HOT DIP GALVANISED AND M8 AND BELOW H/W -STAINLESS STEEL.
 - 10) SUPPORTING STRUCTURE FOR BREAKER SHALL BE HOT DIP GALVANISED, (B) AND A GROUND BUS OF COPPER BAR OF 6MM X 25MM IS TO BE USED.

GENERAL ARRANGEMENT DRG		WO NO. PV7574	
DRN. ADG	26.08.23	NAME	DATE
APPD. VAC	26.08.23	DRN. ADG	26.08.23
SHEET 1 OF 2		CG Power and Industrial Solutions Limited	
THIRD ANGLE PROJECTION		MV Switchgear Division	
ALL DIMENSIONS ARE IN mm		Ambed, Nashik, India	
SCALE: NTS	DRG NO. PV7574GB	(Formerly Crompton Greaves Ltd)	

No	REVISION	DATE	DRAWN
1	REVISED AS PER AIG01 & 02	24.11.23	ADS



LOWER & UPPER TERM. PLATE PALM
 THICKNESS OF PLATE : 12mm
 A-SUITABLE FOR 40 & 44.5
 DETAIL AT 'X'
 (DETAILS OF PALM OF LOWER & UPPER TERMINAL PLATES)

Approved
 CGM (P&D)
 AEGCL

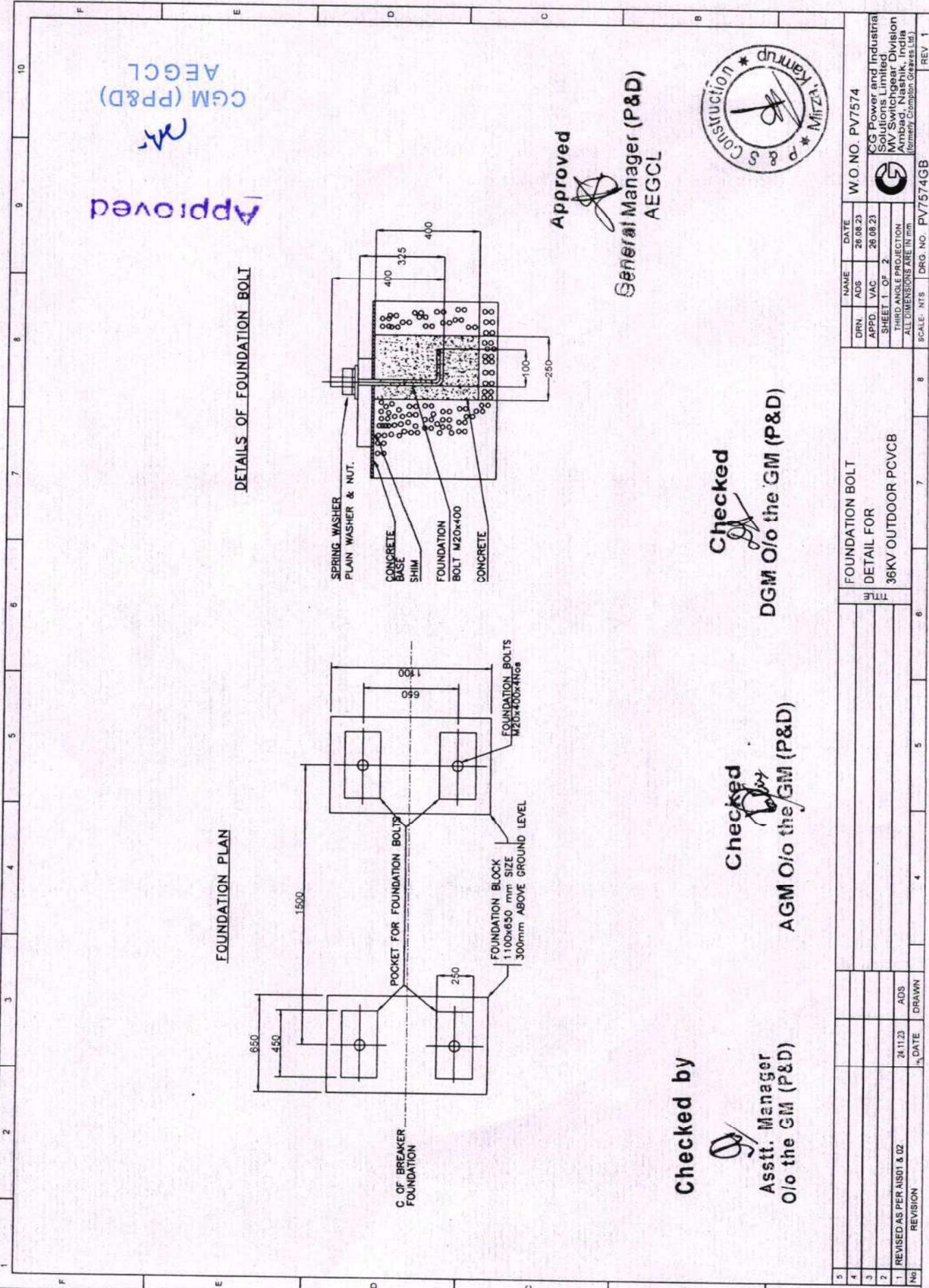
All dimensions shown in this document without prior consent of CG Power and Industrial Solutions Limited

IF IN DOUBT, ASK

FILE NAME

DRG. NO. PV7574GB

REV 1



Approved

CGM (PP&D)
AEGCL

Approved

General Manager (P&D)
AEGCL



Checked

DGM O/o the GM (P&D)

Checked

AGM O/o the GM (P&D)

Checked by

Asstt. Manager
O/o the GM (P&D)

DRN	NAME	DATE	W.O. NO.	REV 1
APPD	ADS	26.08.23	PV7574	
VAC		26.08.23		
SHEET 1 OF 2				
THIRD ANGLE PROJECTION				
ALL DIMENSIONS ARE IN mm				
SCALE	NTS	DRG. NO.	PV7574GB	
FOUNDATION BOLT		DETAIL FOR		8
36KV OUTDOOR PCVCB		TITLE		7
				6
				5
				4
				3
				2
				1
No	REVISION	DATE	DRAWN	
1	REVISED AS PER AIS01 & D2	24.11.23	ADS	

CG Power and Industrial Solutions Limited
Mumbai Switchgear Division
(Formerly Compton Gearless Ltd)

RATING PLATE DETAILS

 CG Power and Industrial Solutions Limited. (Formerly Crompton Greaves Ltd.) Medium Voltage Switchgear Divn. Ambad, Nashik-422010. MADE IN INDIA.		RATING TO : IEC62271-100 CIRCUIT BREAKER TYPE <input type="text" value="36PV25A"/>	
PORCELAIN CLAD VACUUM CIRCUIT BREAKER		SR. NO <input type="text" value="26.3"/> ## <input type="text" value=""/>	
VOLTAGE	<input type="text" value="36"/> kV	BREAKING CAPACITY	<input type="text" value="25"/> kA
CURRENT	<input type="text" value="1250"/> AMP	MAKING CAPACITY	<input type="text" value="62.5"/> kAp
FREQUENCY	<input type="text" value="50"/> Hz	SHORT TIME CURRENT	<input type="text" value="25"/> kA FOR <input type="text" value="3"/> SEC
NO OF POLES	<input type="text" value="3"/>	DC. COMPONENT	<input type="text" value="< 50%"/> BIL <input type="text" value="70/170"/> kVp
OPERATING SEQUENCE/DUTY : O - 0.3Sec - CO - 3Min - CO ΔCLASS : E2-M2-C2. <i>* Name of Substation and P.O. No. shall be mentioned.</i>			
SHUNT TRIP	<input type="text" value="110"/> VDC	CLOSING COIL	<input type="text" value="110"/> VDC

Sr. Nos.

MONTH & YEAR TO BE INCORPORATED IN WHICH JOB IS DESPATCHED

MATERIAL:- METALIC PALTE -ALLUMINIUM

QUANTITY : 1 No. EACH PER PCVCB.

Checked by


 Asstt. Manager
 O/o the GM (P&D)

Checked


 AGM O/o the GM (P&D)

Checked

DGM O/o the GM (P&D)

Approved

 General Manager (P&D)
 AEGCL



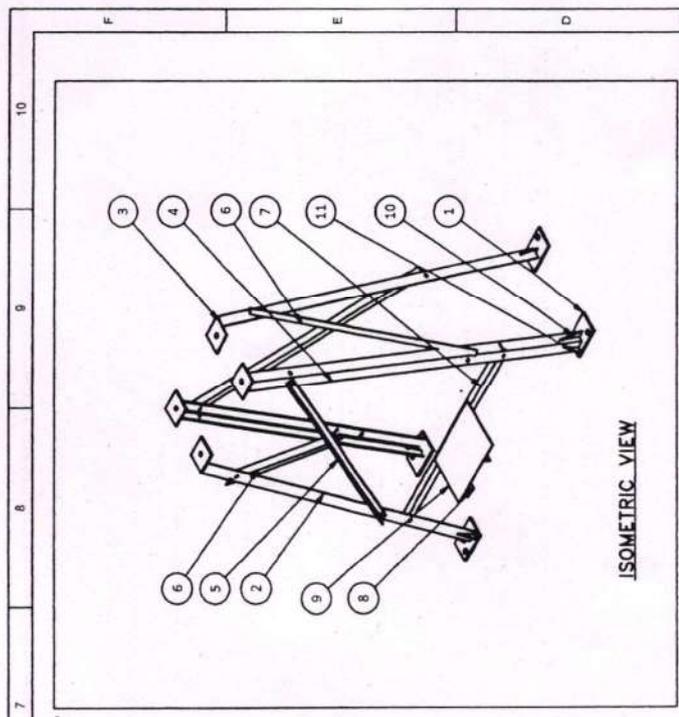
Approved

 CGM (P&D)
 AEGCL

CG Power and Industrial Solutions Limited. without prior consent of	IF IN DOUBT, ASK	DRG. NO. PV7574GB	FILE NAME
1	REVISION	DATE	DRAWN
1	REVISED AS PER A/SO1 & O2	24.11.23	ADS
RATING PLATE DETAILS FOR		TITLE	
36KV OUTDOOR PCVCB		36KV OUTDOOR PCVCB	
DRN. ADS	DATE	APPD. VAC	DATE
26.08.23	26.08.23	26.08.23	26.08.23
SHEET 2 OF 2		W.O. NO. PV7574	
THIRD ANGLE PROJECTION		CG Power and Industrial Solutions Limited	
ALL DIMENSIONS ARE IN mm		MV Switchgear Division	
SCALE - NTS		Ambad, Nashik, India	
DRG. NO. PV7574GB		(Formerly Crompton Greaves Ltd.)	
REV 1		REV 1	

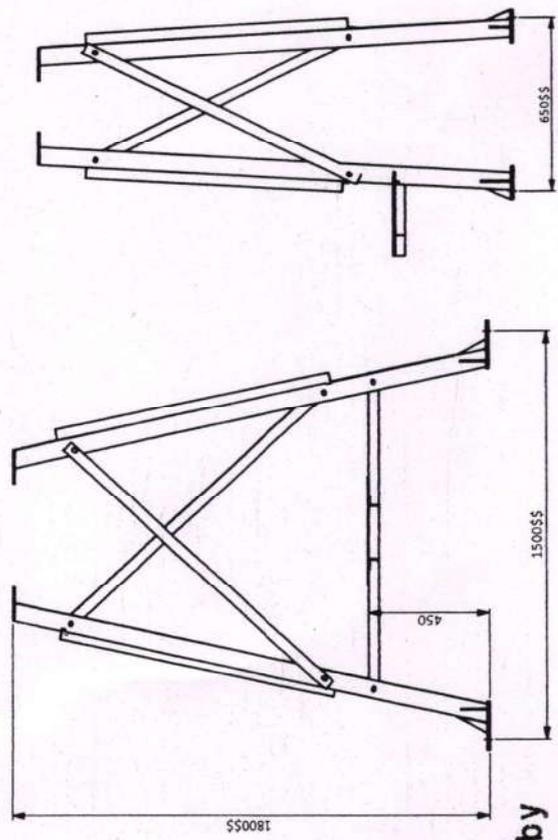
* The height of the structure shall be such that minimum clearance from live point to plinth level is 3700mm.

* Comments regarding fabrication and BOM of structure may be obtained from civil wing of AEGCL.



ITEM	QTY	DESCRIPTION
11	4	BASE GUSSET
10	4	BASE GUSSET
9	1	CHECKER PLATE
8	2	SUPPORT ANGLE
7	1	SHAKER PLATE SUPPORT ANGLE
6	2	IDE BRACING ANGLE
5	2	FRONT BRACING ANGLE
4	2	VERTICAL SUPPORT ANGLE RH
3	4	TOP SUPPORT PLATE
2	2	VERTICAL SUPPORT ANGLE LH
1	4	BOTTOM SUPPORT PLATE

Approved
General Manager (P&D)
AEGCL



Checked by

Asstt. Manager
O/o the GM (P&D)

Checked

AGM O/o the GM (P&D)

SIDE VIEW

FRONT VIEW

Checked

DGM O/o the GM (P&D)

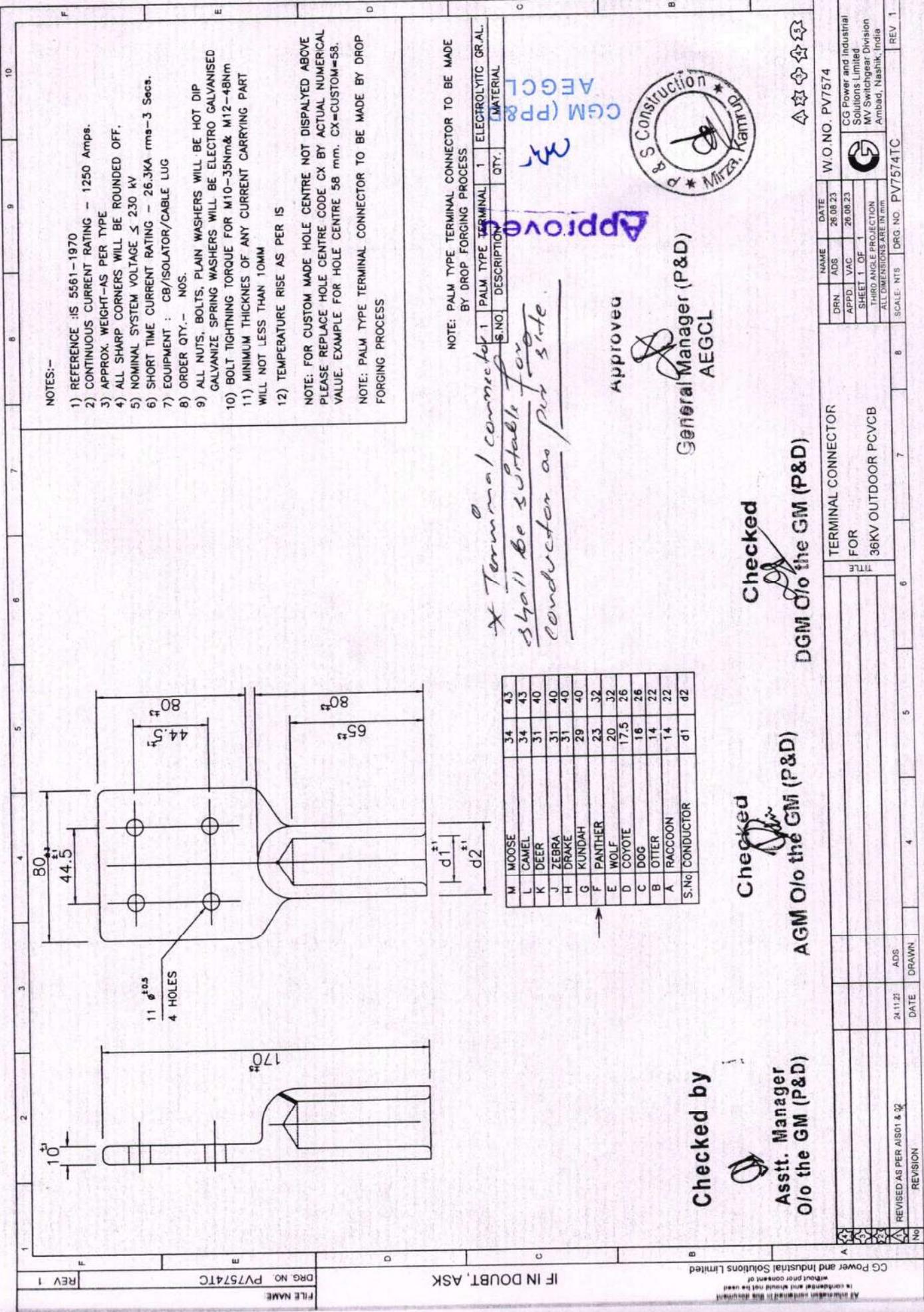
CG Power and Industrial Solutions Limited	IF IN DOUBT, ASK	FILE NAME	DRG NO. PV7574GB	REV 1
36KV PCVCB				
1	24.11.23	AD5		
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				

CGM (P&D)
AEGCL

W.O NO. PV7574

CG Power and Industrial Solutions Limited
MV Switchgear Division
Ambad, Nashik, India

DRN. AOS 26.08.23
APPD. VAC 28.08.23
SHEET 1 OF 2
THIRD ANGLE PROJECTION
ALL DIMENSIONS ARE IN mm
SCALE: NTS
DRG. NO. PV7574GB
REV 1



NOTES:-

- 1) REFERENCE IS 5561-1970
- 2) CONTINUOUS CURRENT RATING - 1250 Amps.
- 3) APPROX. WEIGHT-AS PER TYPE
- 4) ALL SHARP CORNERS WILL BE ROUNDED OFF.
- 5) NOMINAL SYSTEM VOLTAGE \leq 230 KV
- 6) SHORT TIME CURRENT RATING - 26.3KA rms-3 Secs.
- 7) EQUIPMENT : CB/ISOLATOR/CABLE LUG
- 8) ORDER QTY. - NOS.
- 9) ALL NUTS, BOLTS, PLAIN WASHERS WILL BE HOT DIP GALVANIZE SPRING WASHERS WILL BE ELECTRO GALVANISED
- 10) BOLT TIGHTNING TORQUE FOR M10-35Nm& M12-48Nm
- 11) MINIMUM THICKNES OF ANY CURRENT CARRYING PART WILL NOT LESS THAN 10MM
- 12) TEMPERATURE RISE AS PER IS

NOTE: FOR CUSTOM MADE HOLE CENTRE NOT DISPLAYED ABOVE PLEASE REPLACE HOLE CENTRE CODE CX BY ACTUAL NUMERICAL VALUE. EXAMPLE FOR HOLE CENTRE 58 mm. CX=CUSTOM=58.

NOTE: PALM TYPE TERMINAL CONNECTOR TO BE MADE BY DROP FORGING PROCESS

NOTE: PALM TYPE TERMINAL CONNECTOR TO BE MADE BY DROP FORGING PROCESS

S.NO.	DESCRIPTION	TERMINAL	QTY.	ELECTROLYTIC GRAL.	MATERIAL
1		1			

** Terminal connector shall be suitable for conductor as per site.*

Approved

General Manager (P&D)
AEGCL



Checked by *[Signature]*
Asstt. Manager
O/o the GM (P&D)

Checked *[Signature]*
DGM O/o the GM (P&D)

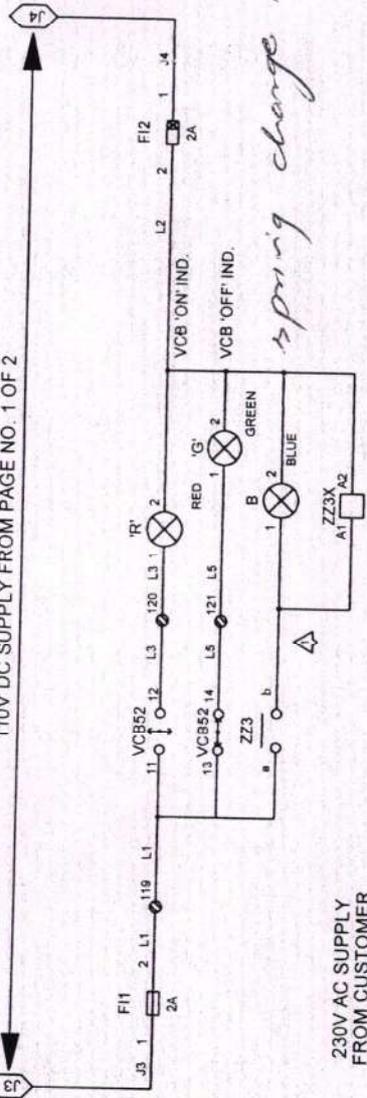
TERMINAL CONNECTOR
FOR
36KV OUTDOOR PCVCB

W.O.NO. PV7574TC

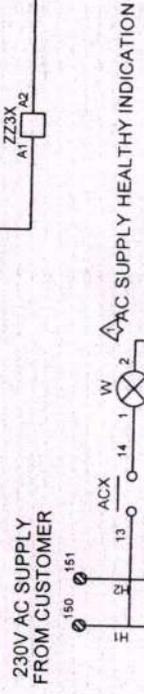
CG Power and Industrial Solutions Limited
MV Switchgear Division
Ambad, Nashik, India

DRG. NO. PV7574TC

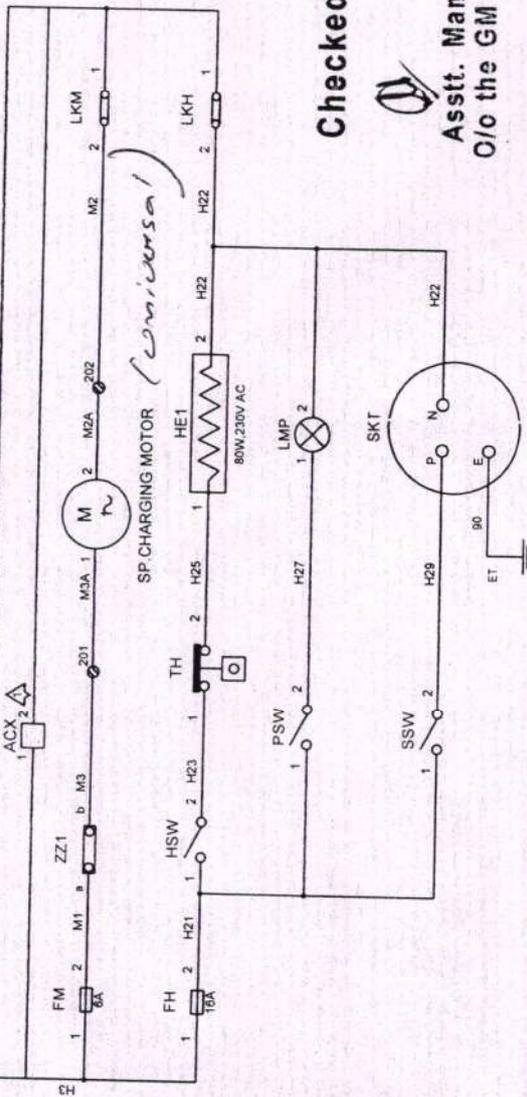
110V DC SUPPLY FROM PAGE NO. 1 OF 2



spring charge indication



AC SUPPLY HEALTHY INDICATION



SP CHARGING MOTOR (Universal)

Approved
CGM (P&D)
AEGCL

Approved
General Manager (P&D)
AEGCL

Checked
DGM O/o the GM (P&D)

Checked
GM O/o the GM (P&D)

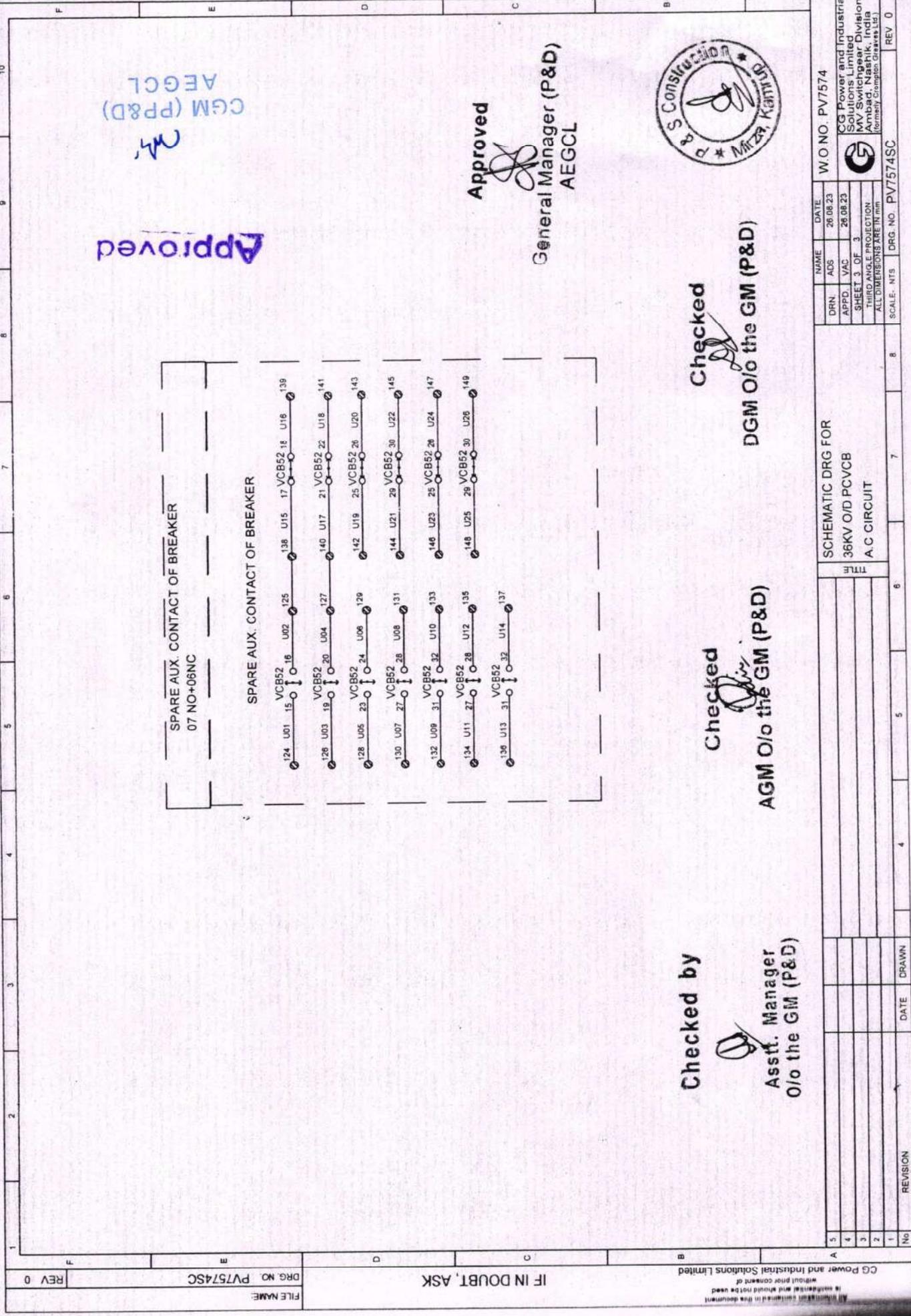


Checked by
Asstt. Manager
O/o the GM (P&D)

DRG NO. PV75748C		DRG NO. PV7574SC	
FILE NAME	IF IN DOUBT, ASK	NAME	ADS
DRG NO.	PV75748C	DATE	26.08.23
CG Power and Industrial Solutions Limited		APPD.	VAC
In accordance with contract of		SHEET 2 OF 2	26.08.23
without prior consent of		THIRD ANGLE PROJECTION	
CG Power and Industrial Solutions Limited		ALL DIMENSIONS ARE IN mm	
SOLUTIONS LIMITED		SCALE - NTS	DRG NO. PV7574SC
MV SWITCHGEAR DIVISION			
Arabad, Nashik, India			
(Formerly Compton Greaves Ltd.)			
REV 1			

SCHMATIC DRG FOR
36KV O/D PCVCB
A C CIRCUIT

No	REVISION	DATE	DRAWN				
1	REVISED AS PER AIS01 & 02	24.11.23	ADS				



Approved

CGM (PP&D)
AEGCL

Approved
General Manager (P&D)
AEGCL



Checked
DGM O/o the GM (P&D)

Checked
AGM O/o the GM (P&D)

Checked by
Asstt. Manager
O/o the GM (P&D)

CG Power and Industrial Solutions Limited <small>All documents contained in this document is confidential and should not be used without prior consent of CG Power and Industrial Solutions Limited</small>		DRG. NO. PV7574SC	REV 0
5	DATE	DRG. NO. PV7574SC	REV 0
4	REVISION	W.O NO. PV7574	
3		CG Power and Industrial Solutions Limited	
2		MV Switchgear Division	
1		(formerly Compton Overseas Ltd.)	
No			

SCHEMATIC DRG FOR
36KV O/D PCVCB
A.C CIRCUIT

DRN	NAME	DATE
APPD	VAC	26.08.23
SHEET 3 OF 3		
THIRD ANGLE PROJECTION		
ALL DIMENSIONS ARE IN mm		
SCALE	NTS	DRG. NO. PV7574SC

ANSI CODE, TAG, SYMBOL DESCRIPTIONS

ANSI CODE	PROTECTIVE FUNCTIONS	SYMBOL	DESCRIPTION	TAG	TAG DESCRIPTION
94	ANTI PUMPING RELAY		HRC FUSE		
VCB52	VACUUM CIRCUIT BREAKER		LINK		
ZZ1	OPENS WHEN SPRINGS ARE CHARGED		NORMALLY OPEN CONTACT		
ZZ2,ZZ3	CLOSES WHEN SPRINGS ARE CHARGED		NORMALLY CLOSED CONTACT		
TNC	BREAKER CONTROL SWITCH		MOTOR (Amborsal)		
LR	LOCAL REMOTE SWITCH		THERMOSTAT		
HE	SPACE HEATER		LAMP		
TH	THERMOSTAT		SWITCH(TNC, LR, AUTO, MANUAL)		
HSW	TOGGLE SWITCH FOR HEATER		TOGGLE SWITCH		
SSW	TOGGLE SWITCH FOR SOCKET		COIL		
PSW	DOOR SWITCH SWITCH FOR LAMP		(52b)VCB OPERATED NO CONTACT		
52X	AUX CONTACTOR FOR VCB CONTACT MULT		(52b)VCB OPERATED NC CONTACT		
VCB52CC	VCB CLOSING COIL		3PIN SOCKET		
VCB52TC	VCB TRIPPING COIL				
(X)	FUSES & MCB				
FC1,FC2	CLOSING CIRCUIT FUSES				
FT1,FT2	TRIPPING CIRCUIT FUSES				
FI1,FI2	INDICATION CIRCUIT FUSES				
FMLKM	FUSE/LINK FOR MOTOR CIRCUIT				
FHLKH	FUSE/LINK FOR HEATER CIRCUIT				
MCB	MINIATURE CIRCUIT BREAKER				

NOTES

- THESE ARE THE FREQUENTLY USED ABBREVIATIONS AS PER CGL STANDARD DRAWINGS
- REFERENCES:IEV-440, IS-5578, IEC-60060

Checked by

Asstt. Manager
O/o the GM. (P&D)

Checked

AGM O/o the GM (P&D)



Approved

CGM (P&D)
AEGCL

Approved

General Manager (P&D)
AEGCL

Checked

DGM O/o the GM (P&D)

All information contained in this document is confidential and should not be used without prior consent of CG Power and Industrial Solutions Limited

IF IN DOUBT, ASK

FILE NAME

DWG NO. PV6512Q

REV 1

LEGENDS
SYMBOLS
DEVICE NUMBER

DRN.	NAME	DATE
APPD.	ADS	26.08.23
SHEET. 1 OF 1	VAC	26.08.23
THIRD ANGLE PROJECTION		
ALL DIMENSIONS ARE IN mm		

W.O. NO. PV7574



CG Power and Industrial
Solutions Limited
MV Switchgear Division
Ambad, Nashik, India

REVISED AS PER AIS01 & 02

DATE 24.11.23

DRAWN ADS

4

5

6

7

8

9

REV 1



Smart solutions.
Strong relationships.

B-SHEET FOR W.O.NO. PV7574

B'SHEET.NO.: PB7574

BOARD NO.: 36kV O/D PCVCB

QTY.: 4

PREPARED BY: ADS

APPROVED BY: VAC

DATE: 26.08.23

REV'1'

Nos.

REV'1'

REVISED AS PER AIS01 & 02

ADS

24.11.23

IT	DESCRIPTION	O/D VCB	TOTAL
1	BASIC UNIT 36kV/1250A/25kA AUX.SUPPLY: 110V DC SP.CH.MOTOR:230V AC /DC (Universal) AUX. CONTACT: 12NO+12NC	1	4
2	ANTI PUMPING DEVICE MAKE : SELECTRON/EQ. AUX.SUPPLY: 110V DC.	1	4
3	TNC SWITCH W/O BELL ALARM CONTACT TYPE - NON-LOCKABLE/LOCKABLE CONTACTS:2N/O IN EACH POSITION MAKE : KAYCEE/ RECOM/ SWITRON/EQ.	1	4
		Approved General Manager (P&D) AEGCL	
4	LOCAL/REMOTE SELECTOR SWITCH TYPE - NON-LOCKABLE/LOCKABLE CONTACTS:3N/O IN EACH POSITION MAKE : KAYCEE/ RECOM/ SWITRON/EQ.	1	4
5	ON-OFF TOGGLE SWITCH FOR HEATER & SOCKET RATING: 6A,230V AC MAKE : KAYCEE/ RECOM/ SWITRON/EQ.	2	8
		Checked DGM O/o the GM (P&D)	
6	DOOR OPERATED SWITCH RATING : 2A,230V AC MAKE : KAYCEE/ RECOM/ SWITRON/EQ.	1	4
7	SPACE HEATER MAKE:GIRISH/VILECO/DASPASS/ALCO/EQ RATING : 80W,230V AC	1	4
		Checked AGM O/o the GM (P&D)	
8	3PIN SOCKET MAKE:ANCHOR/LEGRAND/MDS/HPL/EQ RATING : 5A,230V AC	1	4
9	PANEL LAMP- LED TYPE MAKE:CGL/PHILIPS/ANCHOR/EQ RATING : 5W,230V AC	1	4
		Checked by	
10	HOLDER FOR PANEL LAMP MAKE:CGL/ANCHOR/EQ	1	4
		Asstt. Manager O/o the GM (P&D)	
11	THERMOSTAT-RIGID PROBE TYPE	1	4

Approved

MA

CGM (PP&D)
AEGCL



	MAKE: APT/GIRISH/VILECO/EQ		
	RATING : 230V AC		
12	MCB		
	MAKE : ABB/ SIEMENS/ L&T/SCHNEIDER/EQ		
	a) 2 POLE - 16A,110V DC - FOR DC SUPPLY	1	4
	c) 2 POLE - 16A,230V AC - FOR AC SUPPLY	1	4
13	AUX. SWITCH		
	AUX.CONTACTS : 12N/O+12N/C	1	4
14	INDICATION LAMPS		
	MAKE : VAISHNO/ TEKNIC/ LUMEN/ STS/EQ		
	a) 'RED' - VCB ON - 110V DC	1	4
	b) 'GREEN' - VCB OFF - 110V DC	1	4
	C) 'BLUE' - SPRING CHARGING - 110V DC	1	4
	D) 'WHITE' - AC SUPPLY INDICATION - 230V AC	1	4
	E) AMBER' - DC SUPPLY INDICATION - 110VDC	1	4
15	TERMINAL CONNECTORS-CRIMPING TYPE		
	MAKE : EXALT/RAMLEX/ ME/ EQ.	6	24
	SUITABLE FOR :		
	PANTHER ACSR CONDUCTOR DIA = 21mm		
16	CASTLE LOCK		
	a)FOR BREAKER	1	4
	b)FOR ISOLATOR	2**	8
	c) KEYS FOR ABOVE LOCKS	1	4
	MAKE: CGL		
	** SHALL BE SUPPLIED LOOSE		
17	AUXILIARY CONTACTOR		
	CONTACTS : 2NO + 2NC	2	8
	AUX VOLTAGE: 110V DC		
	CONTACTS : 2NO + 2NC	1	4
	AUX VOLTAGE: 230V AC		

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BILL OF MATERIAL

	W.O.NO.:	PV7574_SPARES
	B'SHEET.NO.:	PB7574_SPARES
	BOARD NO.:	36kV O/D PCVCB
	QTY.:	1 NOS.
	PREPARED BY:	ADS
	APPROVED BY:	VAC
	DATE:	26.08.23
SPARES		
IT	DESCRIPTION	TOTAL
1	OPERATING MECHANISM	4
2	SPRING CHARGING MOTOR 230AV AC	4
3	Complete One No. VCB pole with VI(Spare) compatible to fitting in any phase of the CB	4



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LOA NO: AEGCL/MD/TECH - 1068/DEPOSIT/33KV NAGARJUNA MEDICAL COLLEGE/2023/24 Dt: 07.07.23
 AND LOA NO: AEGCL/MD/TECH - 1077/KUKURMARA-RANI FREEDER/DEPOSIT/2023/25 Dt: 07.07.23.

REGENERATE
 P & S Construction

LOA NO: CGM(D&S)/UAR/APDCL/DEPOSIT/TINSUKIA MEDICAL COLLEGE/26 Dt. 14-07-2023

GUARANTEED TECHNICAL PARTICULARS		
FOR 33kV, 1250A, 26.3 kA for 3 sec VACUUM CIRCUIT BREAKERS		
Sl.No.	Description	Bidder's Confirmation
1	Name of Manufacturer	For 33KV CGPISL
2	Type of Outdoor switchgear	Porcelain Clad
3	Designation of outdoor circuit breaker	36PV25A
4	VCB conforms to IEC 62271- 100 amended upto date / IS: 13118:1991 : Yes/No	Yes
5	Whether offered outdoor circuit breaker is porcelain clad type (yes/no)	Yes
6	Shall outdoor circuit breaker provided 3 number of poles (yes/no)	Yes
7	Rated voltage of outdoor circuit breaker in kV.	33kV
8	Is offered out door circuit breaker suitable for 50 Hz rated frequency.(Yes/No)	Yes
9	Type of operation - Mechanically coupled gang operated : Yes/No	Yes
10	Operating mechanism, A. C. Control & Protective devices, lighting fixtures, space heaters and motor operating on supply single phase, 250 Volts ± 10% A.C., 50 Hz , two pole with one pole grounded : Yes/No	Yes
11	Maximum continuous voltage of outdoor circuit breaker in kV	36kV
12	Rated continuous current of outdoor circuit breaker in amps.	1250A
13	Offered VCB shall be suitable for solid neutral earthing : Yes/No	Yes
14	Rated symmetrical short circuit breaking current (for 3 seconds) of outdoor circuit breaker in ka (rms) 25 kA	26.3kA rms
15	Rated operating sequence of outdoor circuit breaker shall be 0-0.3 sec-co-3 min - co	0-0.3 sec-co-3 min - CO
16	Amplitude factor of outdoor circuit breaker on restriking voltage at 100% rated breaking capacity shall be 1.4	1.4 as per IEC
17	First pole to clear factor of outdoor circuit breaker on restriking voltage at 100% rated breaking capacity shall be 1.5	1.5
18	Rate of rise of restriking voltage of outdoor circuit breaker on restriking voltage at 100% rated breaking capacity in kv/microsecs) 50/70	70
19	Dry-1 minute power frequency withstand voltage of outdoor circuit breaker between line terminal and earth in kvrms shall be 50/70kV	70kVrms
20	Dry-1 minute power frequency withstand test voltage for outdoor circuit breaker between terminal with breaker contacts open in kvrms	70
21	1.2 / 50 micro second impulse with-stand voltage for outdoor circuit breaker between line terminal and earth in kvp	170
22	1.2 / 50 micro second impulse with-stand voltage for outdoor circuit breaker between terminals with breaker contacts open in kvp	170
23	Material of main contacts of outdoor circuit breaker	Copper Chromium
24	Material of terminal pad of outdoor circuit breaker (copper/Aluminium)	Aluminium
25	If Terminal Pads are made of metal other than aluminum, thickness of silver plating on terminal pads shall be at least 25 microns.	Aluminium
26	The current density for copper terminal pad shall not be more than 1.6 A/sq. mm.	Aluminium

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* Dynamic peak withstand capacity = 65
 * Opening time < 60ms
 * Closing time < 80ms
 * DC voltage level shall be as per site

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27	The current density for other than copper terminal pad shall not be more than 1 A/sq. mm.	Aluminium
28	Net cross section of terminal pad of outdoor circuit breaker in sq mm	As per type tested design
29	Material of make -break contacts in Vacuum Interrupter	Copper Chromium
30	Material of tips of Main contacts of circuit breaker	Copper Chromium
31	Whether electrical anti pumping device provided for outdoor circuit breaker (yes/no)	Yes
32	Size of auxiliary contacts of outdoor circuit breaker in sq. Mm.	Adequate
33	Material of auxiliary contacts of outdoor circuit breaker	Copper
34	Continuous current capacity of auxiliary contacts of outdoor circuit breaker in amps.	10A
35	Breaking current capacity of auxiliary contacts of outdoor circuit breaker in amps.	1kA
36	Insulation level of auxiliary contacts of outdoor circuit breaker in volts.	2kV
37	1 minute p. F. Withstand voltage of auxiliary contacts of outdoor circuit breaker in kvrms.	2kV
38	Whether any contact multiplier are used for outdoor circuit breaker (yes/no) (if *yes* then fill 39 to 42)	No
39	Make of contact multiplier used for circuit breaker	No
40	Making and breaking capacity of contact multiplier used for outdoor circuit breaker in ka	No
41	Voltage rating of contact multiplier used for outdoor circuit breaker in kv	N/A
42	Capacity of coil of contact multiplier used for outdoor circuit breaker in watts	N/A
43	No. Of normally open auxiliary contacts provided for outdoor circuit breaker available for use in remote C&R panels	2NO+2NC
44	No. Of normally close auxiliary contacts provided for outdoor circuit breaker available for use in remote C&R panels	8NO+8NC
45	Whether potential free contact available for remote indication of spring charged" of outdoor circuit breaker (yes/no)	Yes
46	Voltage rating of bushing used for outdoor circuit breaker in kv.	36kV
47	Dry-1 minute power frequency withstand voltage of bushing used for outdoor circuit breaker in kvrms	70kVrms
48	Dry flashover voltage of bushing used for outdoor circuit breaker in kvrms	70kVrms
49	Wet flashover voltage of bushing used for outdoor circuit breaker in kvrms	70kVrms
50	1.2/50 micro second impulse withstand voltage of bushing used for outdoor circuit breaker shall be 125/170 kvp	170kVpeak
51	Total creepage distance of bushing used for outdoor circuit breaker shall be 300 mm.	As per type tested design
52	Center to center minimum clearances in air between phases of outdoor circuit breaker in mm	700mm
53	Minimum Clearances provided in air between two Phases : in mm	430mm
54	Minimum clearances in air between live part to live part of phases of outdoor circuit breaker shall be 430 mm.	430mm
55	Minimum clearances in air between live part to earth of outdoor circuit breaker shall be 450mm	450mm
56	Minimum clearances in air between live part of outdoor circuit breaker to ground level shall be 3700 mm	3700mm
57	Height of the lowest part of the support insulator from ground level	530mm

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58	Class of Insulating Material	B
59	Max. closing time in ms (Max.150 ms)	less than 100ms
60	Max. total break time at 100 % rated interrupting breaking capacity : 100 ms	less than 60ms
61	Type of closing mechanism of outdoor circuit breaker shall be motor assisted spring charged mechanism.	Yes
62	Type of tripping mechanism of outdoor circuit breaker shall be motor assisted spring charged mechanism with shunt trip coil.	Yes
63	Burden of trip coil of outdoor circuit breaker at 110 V (DC) in watts	250W
64	Burden of closing coil of outdoor circuit breaker at 110 V (DC) in watts	250W
65	Whether mechanical on/off and "spring charged" indications for outdoor circuit breaker provided (yes/no)	Yes
66	Whether manual trip/close of outdoor circuit breaker possible (yes/no)	Yes
67	Whether mechanical spring charging for outdoor circuit breaker possible (yes/no)	Yes
68	Voltage rating of spring charging motor of outdoor circuit breaker in volts	230V AC
69	Burden of spring charging motor of outdoor circuit breaker in VAmp	300W
70	Control circuit voltage of outdoor circuit breaker shall be 30 volts d. C. (yes/no)	Yes
71	The surface finish paints of non galvanized metallic part of VCB shall be battleship gray shade No.632 of IS 5.	Yes
72	Process of painting of parts of outdoor circuit breaker	Powder Coating
73	Type of primer used for painting of parts of outdoor circuit breaker	7 tank pre treatment
74	Type of finish paint used for painting of parts of outdoor circuit breaker	Galvanized support structure
75	Degree of protection of Operating Mechanism enclosure is IP 55 as per IEC529/ IS 2147	IP 55
76	Mounting of CB On hot dip galvanized steel support structure or on the operating mechanism box, as the case may be, to be supplied by the tenderer	Yes
77	Whether all type tests are carried out on outdoor circuit breaker at nabl laboratories within five years from date of opening of tender(yes/No)	No (Less than 10 Years)
78	Whether type tested on offered design of outdoor circuit breaker (yes / no).	Yes
79	A list of recommended spares with unit rates for each circuit breaker that may be necessary for satisfactory operation and maintenance of the circuit breaker for a period of 5 years shall be submitted.	Yes
80	A list and unit rates of all the special tools, equipments and instruments required for erection, testing, commissioning and maintenance of the breaker shall be submitted	Not required
81	The list of necessary tools/equipments which will be supplied free of cost with each CB furnished separately.	Not required
82	Are following Type test reports submitted with offer for offered equipment	
	a. Lightning impulse withstand voltage test. :Yes/No	Yes
	b. Power Frequency Voltage withstand test (dry & wet). :Yes/No	Yes
	c. Temperature rise test. :Yes/No	Yes
	d. Measurement of resistance of Circuit: Yes/No	Yes
	e. Short time and peak withstand current tests. :Yes/No	Yes
	f. Mechanical operation test. :Yes/No	Yes

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	g. Degree of protection (IP55) for all cabinets. :Yes/No	Yes
	h. Out of phase making and breaking tests. :Yes/No	Yes
	i. Short Circuit Making and Breaking current Tests a) No load operation before and after test b) Basic test duties no. 1 to 5 c) Single Phase Short circuit test d) Condition of breaker after short circuit tes	Yes
83	Are the following drawing submitted	
	a. General outline drawings showing outside dimensions, shipping dimensions, weights, quantity of insulating media air receiver capacity and such other prominent details. :Yes/No	Yes
	b. Sectional views showing the general constructional features of the circuit breaker including operating mechanism, arcing chambers, contacts, with lifting dimensions for maintenance. :Yes/No	Yes
	c. Schematic diagrams of the scheme for control, supervision and reclosing :Yes/No	Yes
	d. Structural drawing, design calculations and loading data for support structures. :Yes/No	Yes
	e. Foundation drilling plan and loading data for foundation design. :Yes/No	Yes
	f. Type test reports of circuit breakers along with a separate list showing all the tests carried out with date & place of test. :Yes/No	Yes
	g. Test reports, literatures and pamphlets of bought out items and raw materials. :Yes/No	Yes
84	Whether bidder adequate in-house testing facilities for conducting acceptance tests in accordance with relevant IS.	Yes
85	Type of operation shall be suitable for 3 phase reclosing : Yes/No.	Yes



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