

NATIONAL POWER CORPORATION

SUPPLEMENTAL / BID BULLETIN NO. 1 to the Bid Documents for the:

SUPPLY AND DELIVERY OF SUBSTATION SPARE PARTS FOR CATANDUANES 69kV T/L & S/S UNDER PR NO. S1-CTL25-003 / PB250617-CM0202

05 JUNE 2025

All prospective bidders and authorized copy holders of the Bid Documents of the above-mentioned project are hereby advised of the changes in the Bid Documents, to wit:

A. ADDITIONAL REQUIREMENT IN SECTION VI – TECHNICAL SPECIFICATIONS, TS-5.0, LETTER (a) “TO BE SUBMITTED WITH THE BID”:

a.3 Certificate of Site Inspection

B. CONTACT INFORMATION OF THE END-USER:

Sammy T. Barba
Plant Superintendent, Catanduanes 69kV T/L & S/S
Cel No. 0999-749-8283

Alisa Lyca L. Mendiola
Engineer II, CATANDUANES 69kV T/L & S/S
Cel No. 0909-227-1794

C. SECTION III – BID DATA SHEET, CLAUSE 19.3:

FROM	TO
The Goods are grouped together in one (1) lot and will be awarded to one (1) Bidder in one complete contract.	Goods shall be evaluated and awarded on a per item basis.
Partial bid is not allowed. The Goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award.	Bidders shall have the option of submitting a proposal on any or all items and evaluation and contract award will be undertaken on a per item basis.
The Bidders ABC must be within the ABC of the lot and ABC per item.	The Bidders bid offer must be within the ABC per item.
Bid offers that exceed the ABC of the lot or any of the item, with incomplete price, shall be rejected.	Bid offers that exceed the ABC of the item the bidder participated in, shall be rejected.



NATIONAL POWER CORPORATION

Gabriel Y. Itchon Building
Senator Miriam P. Defensor-Santiago Avenue (formerly BIR Road)
corner Quezon Avenue, Diliman, Quezon City 1100, Philippines
Tel. Nos. (632) 8921-3541 to 80 • Fax No. (632) 8921-2468
Website: www.napocor.gov.ph



D. GENERAL DESCRIPTION OF THE FOLLOWING ITEMS:

PARTICULAR	FROM	TO
ITEM NO. 1	Inductive Voltage Transformer Brand: Trench XXX	Inductive Voltage Transformer (Must be compatible and will fit with the existing mounting at site. Bidder must also provide mounting drawings w/ dimension fitted to the existing mounting during bid opening to ensure compatibility.) XXX
ITEM NO. 2	Disconnecter Switch with Earthswitch Brand: CHINT XXX	Disconnecter Switch with Earthswitch (Must be compatible and will fit with the existing mounting at site. Bidder must also provide mounting drawings w/ dimension fitted to the existing mounting during bid opening to ensure compatibility.) XXX
ITEM NO. 3	Current Transformer Brand: TRENCH XXX	Current Transformer (Must be compatible and will fit with the existing mounting at site. Bidder must also provide mounting drawings w/ dimension fitted to the existing mounting during bid opening to ensure compatibility.) XXX

E. ADDITIONAL MOUNTING DRAWINGS / LAYOUT:

"Please see attached Annex A"

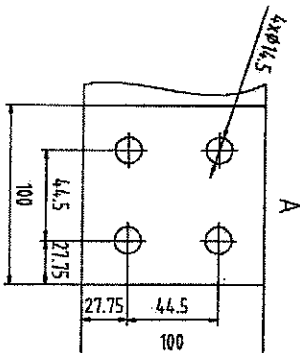
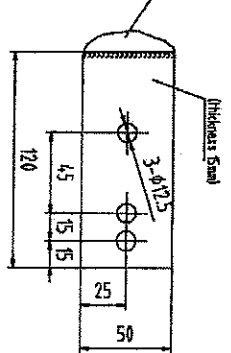
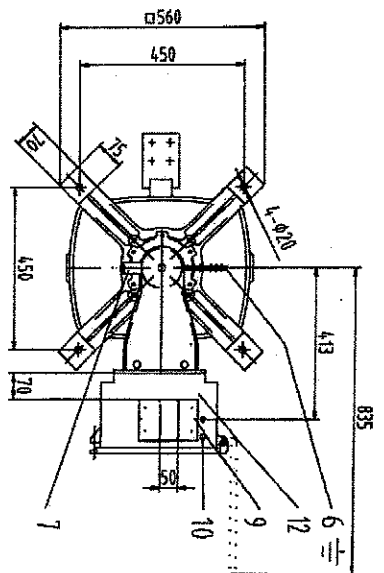
All other terms and conditions shall remain the same.

For the information and guidance of all authorized copy holders of the Bid Documents and prospective bidders.

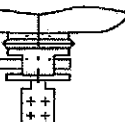
For the Bids and Awards Committee:


LARRY I. SABELLINA
 Vice President, Mindanao Generation Group,
 and Chairman, Bids and Awards Committee

CAD



Primary terminal
Aluminium NEMA pad 4 holes



NATIONAL POWER CORPORATION

W/A ☐ AWC1 ☐ RFC ☐ NOTED

AR ☐ CE ☐ EE ☐ IE

CHK ☐ SUB ☐ REC ☐

DATE: 16.11.2022

MANAGER: DDD

REFER ENG SHEET NO.: AC/CR-VLS-001

Pos.	Designation	Pos.	Designation
1	Primary Terminal (AL)	7	Oil Drain Valve
2	Metallic Bellows	8	Terminal Box
3	Filling Plug	9	Ground Plate
4	Porcelain Insulator	10	Lifting lugs
5	Raising Plate	11	Oil Level Indicator
6	Grounding Terminal (AL)	12	Gauge

Oil Mass approx : 40 kg

Total Mass approx : 170 kg

Effective Area : 0.36 m2

CT Outline drawing

Type : I0SK 72.5

G001289-1

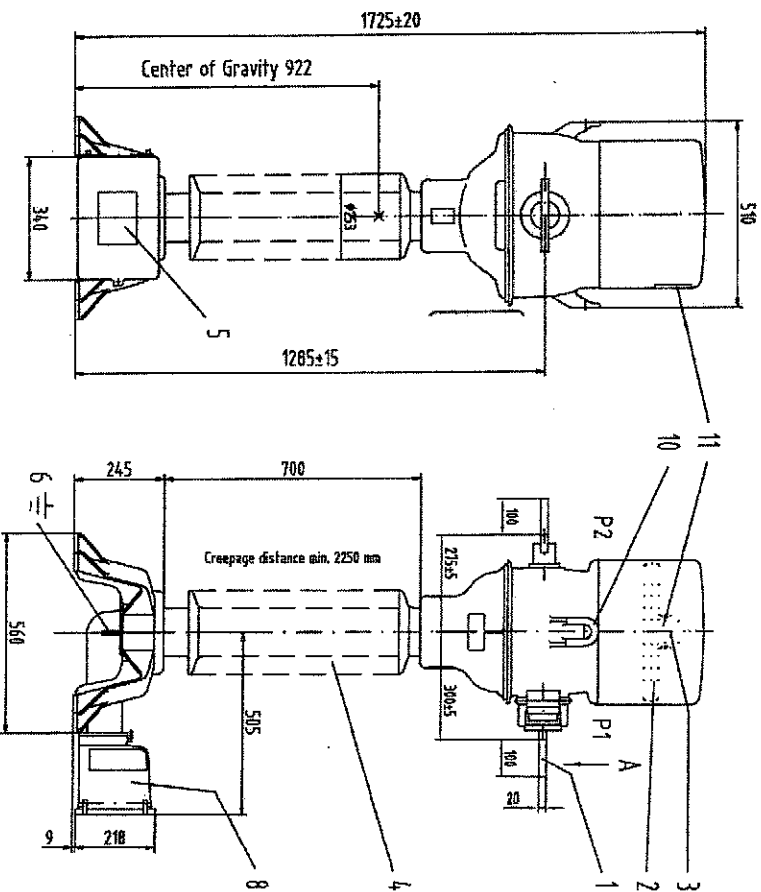
REMARKS WEIGHT RATIO

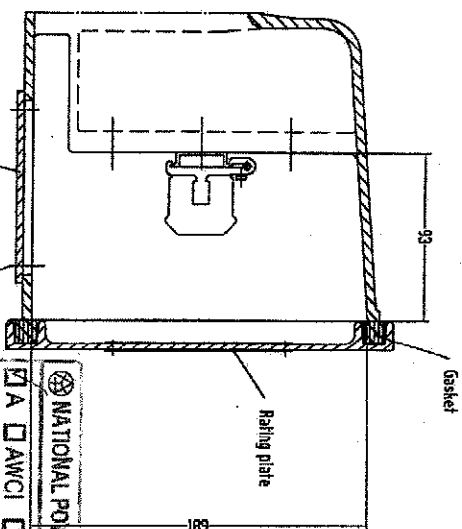
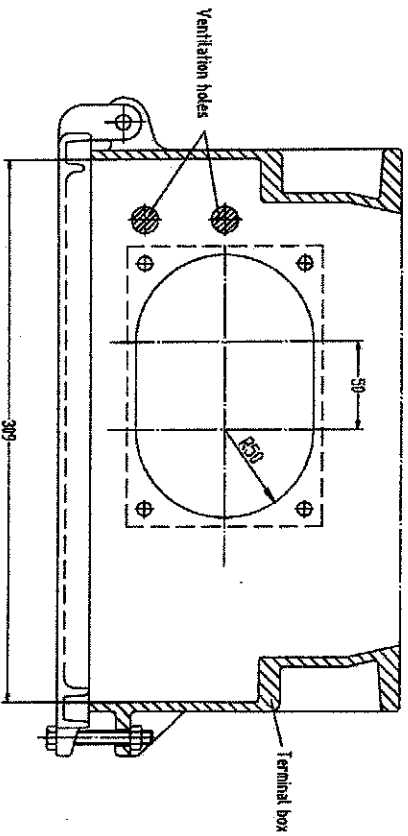
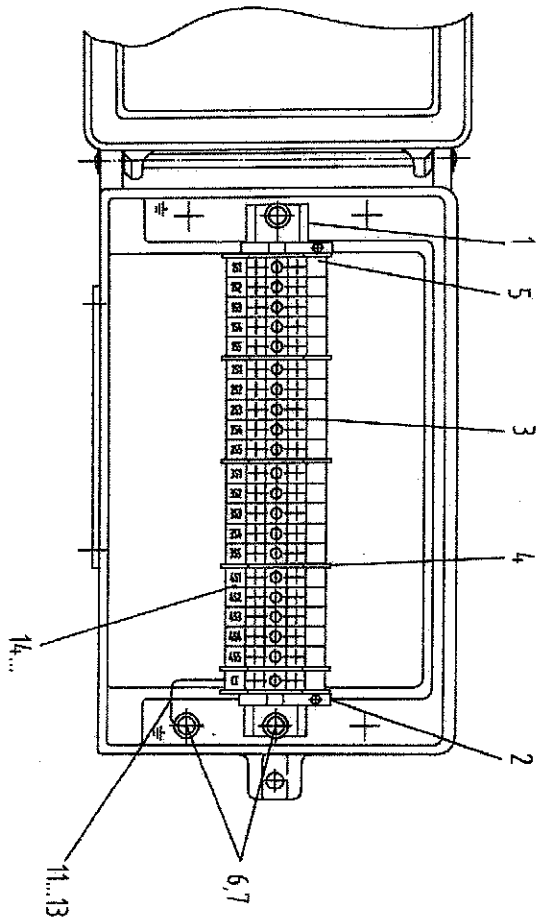
S A B 710 1:125

PAGE 1 TOTAL 1

Trench High Voltage Products Ltd, Shenyang

DRAFTER	Xie Yajun	PROCESSOR	Chen King
DESIGNER	Xie Yajun	STANDARD	Chen King
CHECKER	Cao Weidong	ORDER	Zhou Ting
VERIFIER	Zhou Ting	DATE	2022-11-25





Terminals Phoenix Contact UKION



REFER ENG SHEET NO: 40/1101-15-001
DATED: 15 JULY 2012

NATIONAL POWER CORPORATION
☒ A ☐ AWCI ☐ RFC ☐ NOTED
 AR CE EE UE
 GR 1/2
 SUB 1/2
 REC 1/2
 DATE: 14 JUL 2012

Item	Designation	Item	Designation
1	Rail	7	Washer
2	Stop piece	8	Grand plate
3	Cap	9	Nut
4	Closing wall	10	Screw
5	Terminals Phoenix Contact UKION	11,13	Connection
6	Screw	14...	Capacitance tap

Terminal box
Current transformer
G001289-2

DESIGNER	12/10/10	PROCESSOR	12/10/10
CHECKER	12/10/10	STANDARD	12/10/10
REVIEWER	12/10/10	DATE	12/10/10

REMARKS: S A B
 TOTAL 1
 WEIGHT RATIO 1:1
 Trench High Voltage Products Ltd, Shenyang

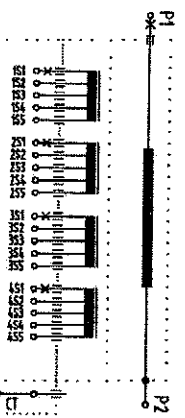
CAD



Current Transformer 10SK 725

No. :
 Year :
 U_n : 72.5 kV
 Ins. lev. : 140/325 kV
 Insul Oil Type: MINERAL OIL std. IEC
 Creepage distance min. 2250mm
 f_n : 60 Hz
 Mass : 170 kg
 I_n : 22 kA / 1 s
 Vol : 40 L
 I_{pn} : 55 kA peak

I_{pn} (A)	P1 - P2 600					
K_n (A)	100/1	200/1	300/1	400/1	500/1	600/1
Core	1S1-1S2	1S2-1S3	1S1-1S3	1S2-1S4	1S1-1S4	1S1-1S5
Burden (VA)	---	---	---	---	---	50
Class	---	---	---	---	---	0.3B2.0
Core	2S1-2S2 2S2-2S3 2S1-2S3 2S2-2S4 2S1-2S4 2S1-2S5 3S1-3S2 3S2-3S3 3S1-3S3 3S2-3S4 3S1-3S4 3S1-3S5 4S1-4S2 4S2-4S3 4S1-4S3 4S2-4S4 4S1-4S4 4S1-4S5					
Burden (VA)	---	---	---	---	---	20
Class	---	---	---	---	---	(4.00)
ALF	---	---	---	---	---	20



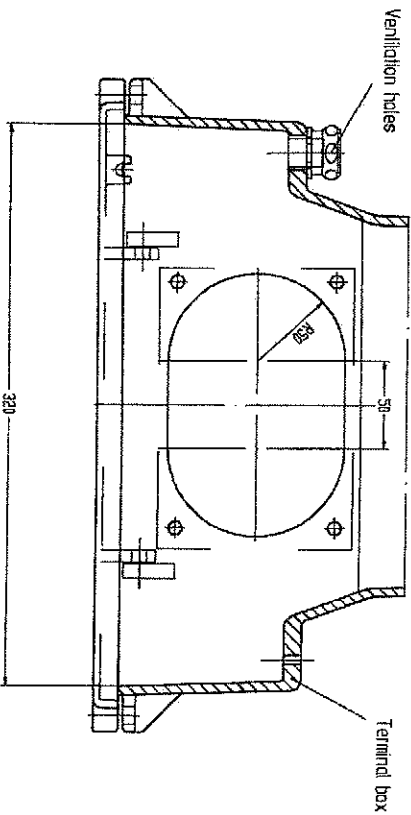
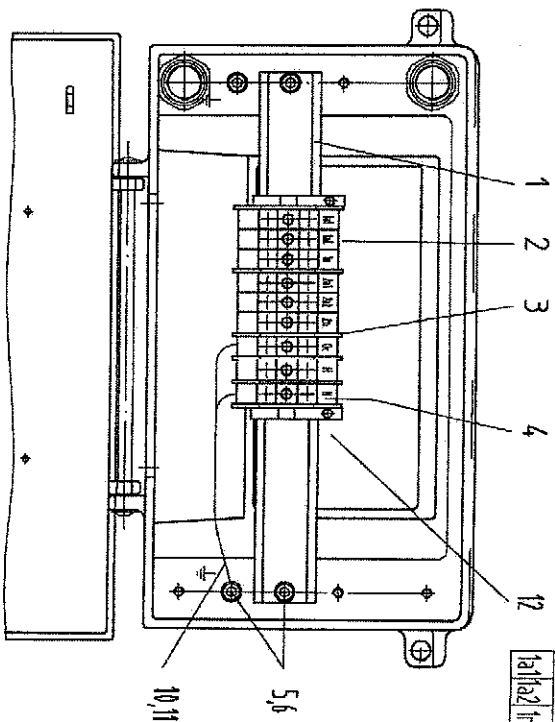
Trench High Voltage Products Ltd., Shenyang P. R. CHINA

140 195
REFER ENG SHEET NO.: HC/EEI-V&S-001
TO DATE: 15 JULY 22

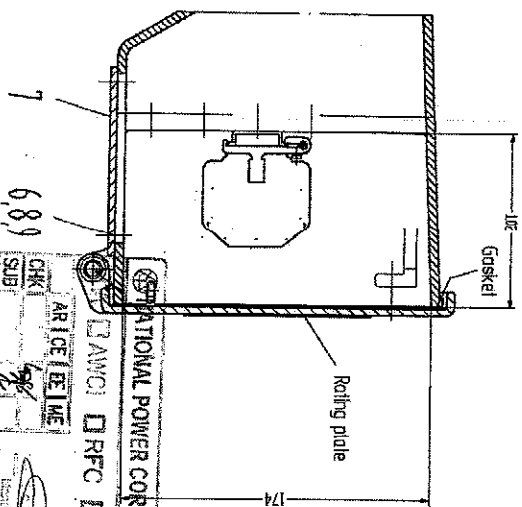
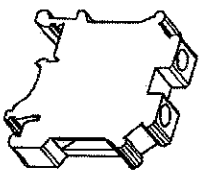
MATERIAL: 0.5mm Stainless Steel 1Cr18Ni9Ti

Rating Plate				G001289-3	
Current Transformer					
DRAFTER	Xie Yaohan	PROCESSOR		REMARKS	WEIGHT
DESIGNER	Xie Yaohan	STANDARD		S A B	4.6
CHECKER	Gao Xueliang	ORDER		PAGE 1	TOTAL 1
VERIFIER	Zhao Ting	DATE	2022-06-25	Trench High Voltage Products Ltd., Shenyang P. R. CHINA	

1 2 3 4 12 10,11 5,6



Secondary terminal (Type Phoenix UK10N)



- Notes:
1. VT terminal box material: casted aluminum alloy
 2. Protection degree: IP55
 3. thickness of material: ≥ 2.0 mm

REFER ENG SHEET NO.: HC/EE-VL-001
TO DATED: 18 JULY 22

CHK
SUB
REC
DATE: 1 JUL 22

AWCJ RFC NOTE

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Item	Designation	Item	Designation
1	Rail	7	Guard plate
2	Stop piece	8	Nut
3	Closing wall	9	Screw
4	Terminal block UK10N Phoenix	10,11	Connection
5	Screw	12	Marking
6	Washer		

Terminal box
Inductive Voltage Transformer

W000012-2

REMARKS

WEIGHT RATIO

S A B 1:1

DRATER	Uk 10N	PROCESSOR	Uk 10N
DESIGNER	Uk 10N	STANDARD	Uk 10N
CHECKER	Uk 10N	DATE	18 JUL 22
VERIFIER	Uk 10N	DATE	18 JUL 22



Trench High Voltage Products Ltd, Singapore

CAD

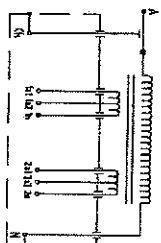
金 華

**TRENCH**
STANDARD
IEC 61869-3/2011

Inductive Voltage Transformer

Type
No.
V_n kV
RUL
F_{max}
F_{min}
Year
Oil Type
Oil Name
Mass kg

U _{pr} (kV)	A - N	6000/5
Secondary Terminals	1s1 - 1s2	1s3 - 2s3
U _n (V)	75	65.4
5T (VA)	160	100
Class	0.2	3P
Simultaneous VA1	200	3P



Trench High Voltage Products Ltd, Shenyang P. R. CHINA
Made in China

14.0±0.2

14.8

97±0.2
105

MATERIAL: 0.5mm Stainless Steel 1Cr18Ni9Ti

Rating Plate		W000012-3	
Inductive Voltage Transformer			
DESIGNER	Uu Qianling	PROCESSOR	Qian Hui
CHECKER	Wu Ma	COOPER	Qian Xing
VERIFIER	Zhao Ting	DATE	2021.6.25

REMARKS	WEIGHT	RATIO
S A B	1.86	1:1
PAGE 1	TOTAL 1	

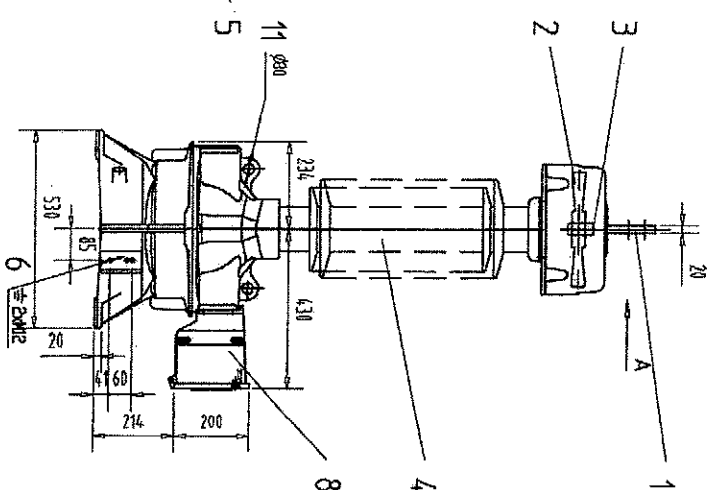
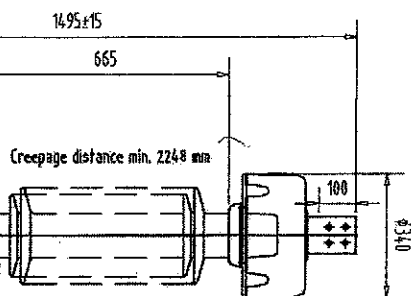
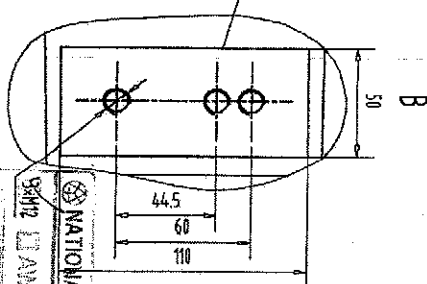
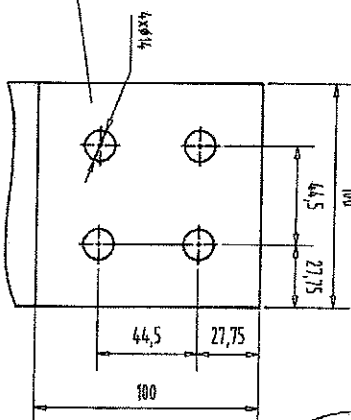
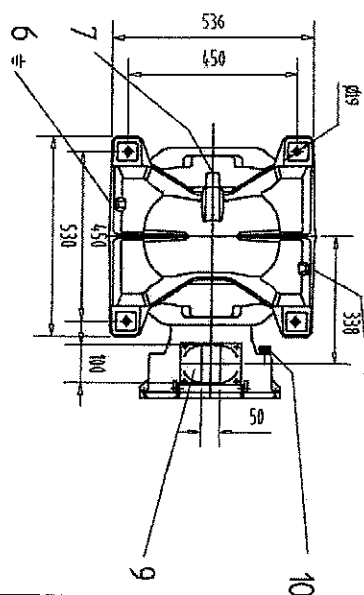
Trench High Voltage Products Ltd, Shenyang P. R. CHINA

REFER ENG SHEET NO.: HC/EEI-VAS-001
TO DATED: 18 July 22

**NATIONAL POWER CORPORATION**
V A EAWC ☐ RFO ☐ NO ET
AR ICE IEEI ME
DATE: 14 JUL 2021

图号

CAD



Pos.	Designation	Pos.	Designation
1	Primary Terminal (Al.)	8	Terminal Box
2	Bellow	9	Ground Plate
3	Filling Plug	10	Gauze
4	Insulator	11	Lifting lugs
5	Rating Plate		
6	Grounding Terminal (Al.)		
7	Oil drain valve		

Oil Mass Approx.: 30 kg

Total Mass Approx.: 190 kg

Effect Area: 0.4 m²

PT Outline drawing

Type : VEOT 725

W000012-1

REMARKS WEIGHT RATIO

S A B 190 1: 1.25

PAGE 1 TOTAL 1

DRAFTER	Li Qianqian	PROCESSOR	Chen Hao
DESIGNER	Li Qianqian	STANDARD	Chen Xing
CHECKER	Wu Wei	ORDER	Chen Xing
VERIFIER	Zhao Ying	DATE	2022.06.25



French High Voltage Products Ltd,Shenyang

NATIONAL POWER CORPORATION

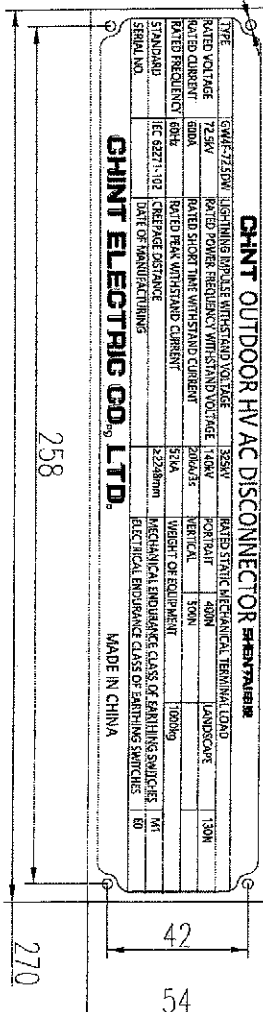
38M2 ☐ 1AWC1 ☐ RFC ☐ NOTED

ARJCE LEE LUE

DATE 1.1.11

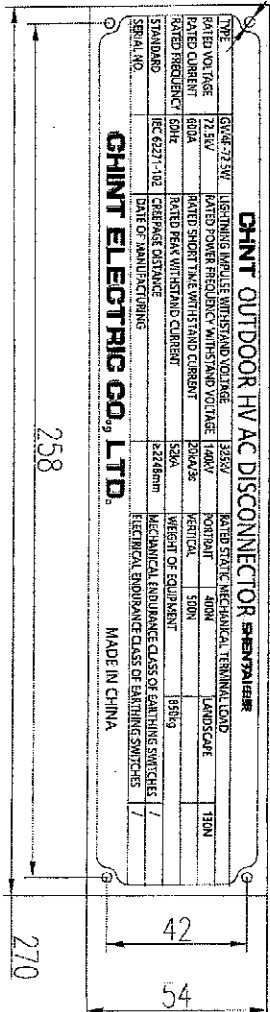
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TO DATED: 18 JUL 22

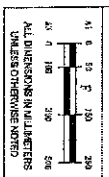


NATIONAL POWER CORPORATION	
AWCI	NOTED
DATE: 01 AUG 2022	

Note:
 1. Material 316 stainless steel the thickness is 1 mm
 2. Except for the logo, the rest of the text is block



REFER ENG SHEET NO: H01/E1-153-005
 TO DATED: Aug 4 2022

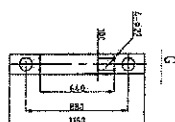


REV	DATE	DESCRIPTION
001	16/07/2022	Initial drawing
002	16/07/2022	Revised drawing

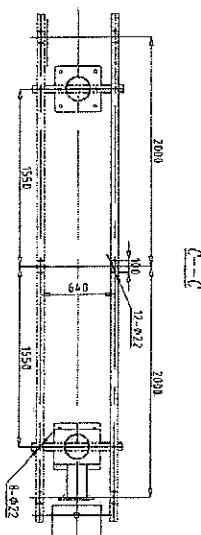
Nameplate Drawing
 FOR APPROVAL

CHINT
 CHINT ELECTRIC
 2288 Sulu Road
 Tungkang, Tainan 71701, Taiwan
 Tel: +86 2 6177 7171
 Fax: +86 2 6177 7172
 © COPYRIGHT CHINT ELECTRIC CO., LTD.

PROJECT NAME	Philippines NECA Sulu Substation Project
DESIGN NO.	001
DATE	16/07/2022
TYPE	GW4-72.5W
REV.	02
DATE	16/07/2022
BY	01/07



REFER ENG'S SHEET NO.: *H/C/E/E-1 - WS-003*
TO
DATED: *Aug 4 2002*



1	Transmission bolts	4	Chromium steel	CHST
2	Flanges	1	Stainless steel	CHST
3	Anchor bolt	8	Steel	CHST
4	Weld joint	1	Carbon steel	CHST
5	Flange connecting rod	2	Steel	CHST
6	Support	2	Stainless steel	CHST
7	Three-phase beam	2	Aluminum	CHST
8	Pinch the coil	6	Steel	CHST
9	Conductive	1	Aluminum and copper	CHST
10	Wiring board	6	Aluminum alloy	CHST
11	Weld joint (use three connecting rod)	2	Steel	CHST
12	Flange	6	Aluminum alloy	CHST
13	Transmission rod	1	Steel	CHST
14	Joint assembly	1	Steel	CHST
15	CS&F manual installation	1	Steel	CHST
16	Name	Qty	Material	Steel

OUTLINE DRAWING FOR DSVIDES

A1 0 50 F 150 250
 A3 100 300 500
 ALL DIMENSIONS IN MILLIMETERS
 UNLESS OTHERWISE NOTED

Run	Time	Description	MD	2LF	Y2X	Y2X
RM 22070232		Subtract noise before sampling	MD	2LF	Y2X	Y2X
RM 24167022		Subtract noise after sampling	MD	2LF	Y2X	Y2X
RM 32010232		Subtract noise before and after sampling	MD	2LF	Y2X	Y2X
RM 32010232		Subtract noise before and after sampling	MD	2LF	Y2X	Y2X
RECV93	Time	Description	MD	2LF	Y2X	Y2X



CHINT

CHINT ELECTRIC

3655 Sadler Road
Sangreing Estate
Shanghai, China
Tel: +86 21 6777 7777
Fax: +86 21 6777 7722

PROJECT NAME

Philippines NPC's SMVA VIIga Substation	Project
DATE 22/07/2012	TYPE GW4E-72.5KV

DATE	22/07/2022	1114	SWIFT-12.5
DATE	22/07/2022		
SCALE			

View A Terminal Pad

2:1

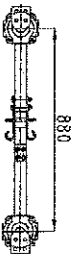
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Terminal Tension:

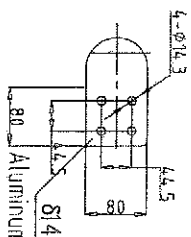
Longitudinal: 400N

Horizontal: 130N

Vertical: 500N



E-E

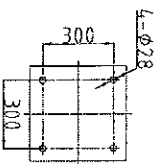


Aluminum alloy tin plating

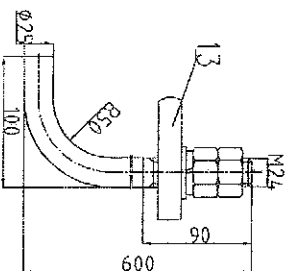
REFER ENG'S SHEET NO: Hc/EEL-VSS-005
TO DATED: Nov 4 2022

NATIONAL POWER CORPORATION			
EA	AWCI	RFC	NOTED
CHK	AR	CE	IE
SUB			
REC			
DATE: <u>01 AUG 2022</u>			MANAGER: <u>DDO</u>

B-B
Bracket assembly dimension drawing



Anchor bolt installation drawing



AS	0	100	200	300	400	500
ALL DIMENSIONS IN MILLIMETERS						
UNLESS OTHERWISE NOTED						

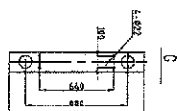
REV	NO	DATE	DESCRIPTION	BY	CHK	APP
1	1	2022/02/02	Issue for design			
2	2	2022/02/02	Issue for procurement			
3	3	2022/02/02	Issue for construction			
4	4	2022/02/02	Issue for installation			
5	5	2022/02/02	Issue for maintenance			



OUTLINE DRAWING
FOR Terminal PAD Station Bails
FOR APPROVAL

CHNT
CHINT ELECTRIC
3033 Sanyuan Road
Shanghai, China
Tel: 400-818-7777
Fax: 400-818-7777

PROJECT NAME:		Philippines APC's SANA Viga Substation Project	
DESIGN	NO	DATE	2022/02/02
CHECK	NO	DATE	2022/02/02
APPROVE	NO	DATE	2022/02/02
TYPE		GWAF-72.50W	
REV	NO	DATE	2022/02/02



NATIONAL POWER CORPORATION

MA ☐ **AWCI** ☐ **REC** ☐ **NOTED**

AR ☐ **CE** ☐ **EE** ☐ **RE** ☐

CIN ☐ **SUB** ☐ **REC** ☐

DATE 1 JUL 2002

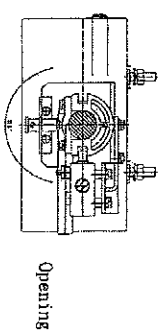
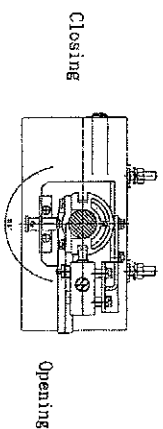
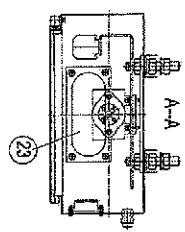
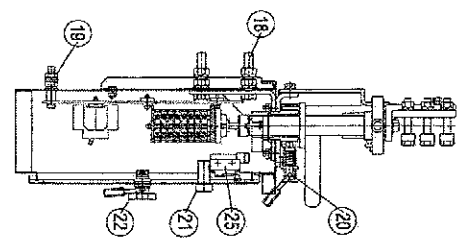
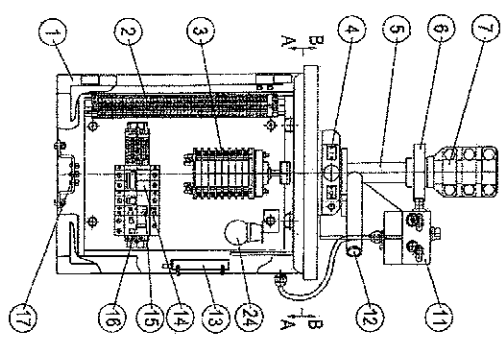
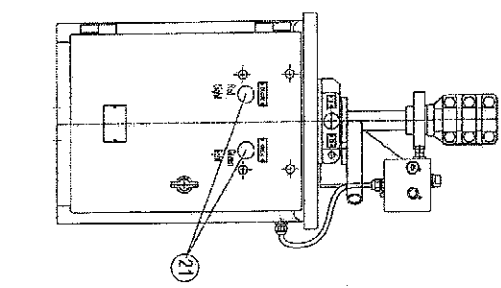
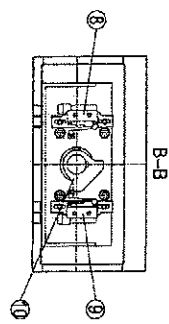
RECEIVED

10

Aug 1 2022

PROJECT NAME:			
Philippines NERC's SMVA Viga Substation Project			
DESIGN NO.	DATE	TYPE	REV.
CHECKED	DATE		BY
REVISED	DATE		BY
SCALE			
APPROVED	DATE		

GW6F-72.50W/600-20 Assembly diagram with right earthing switch—Without support bracket
note: The primary terminal of this disconnector type can only be connected with flexible conductor



The layout is for reference only.

- 1 - mechanism box
- 2 - terminal block
- 3 - auxiliary switch
- 4 - opening and closing position indication
- 5 - mechanism spindle
- 6 - electromagnetic lock clamp
- 7 - clamp joint
- 8 - closing travel switch
- 9 - opening travel switch
- 10 - travel switch
- 11 - block
- 12 - operation indicator
- 13 - control
- 14 - switch
- 15 - temperature and humidity controller
- 16 - single phase socket
- 17 - grounding copper bar
- 18 - mounting bolt
- 19 - Grounding bolt
- 20 - mechanism positioning device
- 21 - on off indicator
- 22 - LED light
- 23 - cable entry hole
- 24 - Light
- 25 - Limit switch

REFER TO
DATE: 150 X 60
Av 4 2022

UNIT	SCALE	DATE	REVISION
A1	0	50	150
A2	0	100	300
A3	0	100	500

UNIT	SCALE	DATE	REVISION
A1	0	50	150
A2	0	100	300
A3	0	100	500

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A2	0	100	300
A3	0	100	500

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A2	0	100	300
A3	0	100	500

UNIT	SCALE	DATE	REVISION
A1	0	50	150
A2	0	100	300
A3	0	100	500

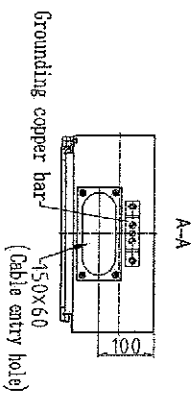
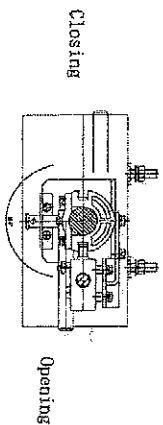
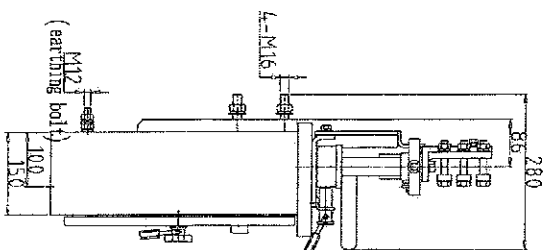
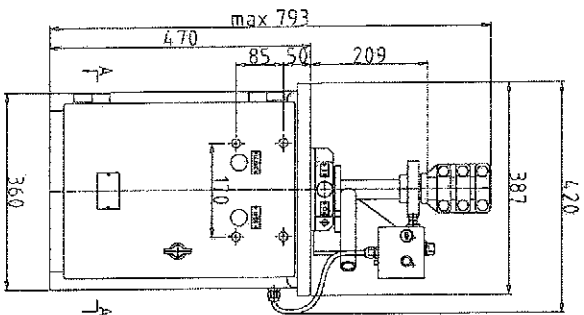
UNIT	SCALE	DATE	REVISION
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A2	0	100	300
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UNIT	SCALE	DATE	REVISION
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A3	0	100	500

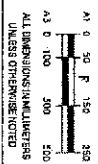
UNIT	SCALE	DATE	REVISION
A1	0	50	150
A2	0	100	300
A3	0	100	500

UNIT	SCALE	DATE	REVISION
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A2	0	100	300
A3	0	100	500

UNIT	SCALE	DATE	REVISION
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Box material: Stainless steel
Protection level: IP54



REV	DATE	DESCRIPTION	BY	CHK	APP
01	2023/03/01	Initial design drawing	NG	XX	XX
02	2023/03/01	Technical review	NG	XX	XX
03	2023/03/01	Design review & approval	NG	XX	XX
04	2023/03/01	Design review & approval	NG	XX	XX
05	2023/03/01	Design review & approval	NG	XX	XX

OUTLINE DRAWING

FOR APPROVAL

CHNT
CHNT ELECTRIC

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Shanghai China
Tel: 8621 6777 7777
Fax: 8621 6777 7777
Email: chnt@chnt.com

PROJECT NAME:
Philippines WPC's ANVA-Vign Station Project

REV	DATE	DESCRIPTION	BY	CHK	APP
01	2023/03/01	Initial design drawing	NG	XX	XX
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TYPE: CS14G