

ArcelorMittal Nippon Steel India Limited AM/NS INDIA							
AMNS Pellet Plant Paradeep Village: Udayabat, Paradeepgarh, Dist. Jagatsinghpur-754141 Odisha, India. Ph : Fax :	PURCHASE ORDER PO NO: AMNS-PRDOP/J5306047990 DATE : 22.08.2022 GSTIN : 21AAACE1741P1ZT						
VAT/ST NO: 21271802678 CST NO: 21271802678 ROC NO: AAACR1741PEM0258 SERVICE TAX REGN NO: AAACR1741P00214 RANGE: PARADEEP PAN NO: AAACR1741P CIN: L27100GJ978RUCD03787	SUPPLIER'S NAME & ADDRESS - VENDOR CODE: 173731 Company: MSSP-MEC DESIGNER & ENGINEER-INDIA DOOR NO: 2/11, CHECHUNDAYAM PALAI, 2/11, CHECHUNDAYAM PALAIYAM KABILAI(MALAI) BRUKUR VILLAGE, KABILAI MALAI POST Namakkal-637204 Tamil Nadu, India. Ph: :04268-230206 Fax: :04268-230206 E-mail: mspeindia@gmail.com						
PLEASE SUPPLY THE FOLLOWING MATERIALS As per the terms & conditions mentioned below. General terms & Conditions mentioned at the end, forms a part of purchase order. Please acknowledge receipt of the Purchase Order and send your unconditional acceptance to abide the terms and conditions of the order. Contact for this PO : Amit Basak Tel : 91-9160725067 Fax : 91- Email : amit.basak@amns.in							
Your Person Responsible : A MARUTHAMUTHU Telephone : 7339485098 Your GSTIN With Us : 33AVGPM8719H1ZD							
For Prompt Payment supplier should send Tax Invoice (Original for Recipient) along with material to our respective stores at, AMNS Pellet Plant Paradeep. Please mention place of supply : State Name & code in Invoice as mentioned against Item/PO without fail. Eg. Place of Supply: Gujarat-24 (In case of Supply to Haryana or else according to delivery plant) Always quote PO-No and material code in original copy of Challans, Invoice and in all your correspondence with us.							
Purchase Order for designing, manufacturing, testing, supplying of 11KV, 3000A, Copper Busduct set with necessary accessories, installation & commissioning Note: 1. After PO confirmation, supplier should come to AMNS site to take exact measurement of the required busduct and requirement of all other materials like missing fish plates, nuts, bolts which are required to design & manufacturing the busduct. The busduct length may not be 25mts. exactly, it may reduce as per exact measurement but will not increase. The bus duct consists of three phases and so each meter of bus duct contains three lengths of phase buses. 2. AMNS will provide FRP scaffolding for erection at one place only 3. Arrangement for installation busduct shall be provided by vendor. 4. Charges towards to & fro travelling expenses, fooding, accommodation, local conveyance for vendor's team members for installation, commissioning & supervision shall be borne by vendor 5. Charges towards gate pass arrangement for vendor's team members shall be borne by vendor 6. Safety appliances for vendor's workmen shall be borne by vendor. 7. Unloading at MRSB will be in AMNS scope. 8. During erection, crane, hydra can't be supplied by AMNS. It has to be done manually, may be through the required chain pulley. 9. Tools, ladders and required testing equipment (specially CRM kit) to be provided by the vendor for erection, testing and commissioning of the Busduct.							
<table border="1"> <thead> <tr> <th>SIR.NO.</th> <th>MAT.CODE</th> <th>QTY</th> <th>UNIT</th> <th>RATE/UNIT</th> <th>AMOUNT</th> </tr> </thead> </table>		SIR.NO.	MAT.CODE	QTY	UNIT	RATE/UNIT	AMOUNT
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11kV, 3000A, HT Busduct - AM/NS India Ltd.

PO Value : 45 Lakhs

11kV Busduct Order from AM/NS Pellet Plant Paradeep, Jagatsinghpur, Odisha

MSSP-MEC DESIGNER & ENGINEER-INDIA

Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC
 Namakkal Dt, Tamilnadu, India GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355

Busduct Completion MOM

2

MOM BETWEEN M/S AM/NS INDIA LTD. AND MSSP MEC DESIGNERS AND ENGINEERS- INDIA ON DT:-
27.09.2022

Members Present:-

M/s AM/NS INDIA LIMITED
Mr. Bhabesh Kumar Mohanty
Mr. V.Chandrasekhar
Mr. Pravanjan Satapathy

M/s MSSP MEC DESIGNERS AND ENGINEERS- INDIA
Mr. A.Maruthamuthu

Mr. Maruthamuthu arrived at site on DT:-26.09.2022 to take the exact measurements of 11KV Busduct of the new 50MVA Transformer at MRSS for manufacturing.

Following major jobs are carried out during his tenure at AM/NS site.

Transformer SR. No. 1LIN21600100059

- 1) He has taken the measurement of the secondary 11KV Bus-duct of 50MVA. Transformer at MRSS by opening the dummy plate of the existing Bus-duct, wall cutout measurement, elevation, and diversions, L-bends of the Bus-duct above the conservator to design and manufacture the Bus-ducts.
- 2) After inspection of the 11KV Bus-duct it was found that there is no flexible available at both Transformer side and VCB side.
- 3) Flexibles conductor measurement at both Transformer side and 11KV Incomer side has been taken by him for design and manufacturing of flexibles and fish plates purpose. Apart from flexibles.
- 4) Two set of fish plates (adopter link) also required at two places of existing Busduct inside the control room.
- 5) Copper flexibles required to joint between the existing and new Busduct and the same has to be supplied by him.
- 6) Missing horizontal canopy and new canopy also to be provided.
- 7) MSSP should submit the design drawing to AM/NS for approval for give the manufacturing clearance.
- 8) Wall support frames to be supplied for load support on the fire wall.
- 9) Vertical support to be provided by M/s AM/NS for the new Busduct near the Transformer

He has left the site on 27.09.22.

A. Maruthamuthu
A.Maruthamuthu

P. Satapathy
Pravanjan Satapathy

For M/s MSSP MEC- INDIA

For AM/NS India Ltd.

MOM BETWEEN M/S AM/NS INDIA LIMITED AND MSSP MEC DESIGNER AND ENGINEER-INDIA
ON DT: - 12.04.2023

Members Present:-

M/s AM/NS INDIA LIMITED

M/s MSSP MEC DESIGNER AND ENGINEER-INDIA

Mr. Kedar Pattnayak

Mr. A. Maruthamuthu

Mr. V. Chandrasekhar

Mr. Pravanjan Satapathy

Mr. Maruthamuthu arrived at site on DT:-06.02.2022 to attend the erection and commissioning of 11KV Busduct of 50MVA Transformer of MRSS.

Transformer SR. No. 1LIN21600100059

- 1) First lot of Busduct material received at site on 30.01.2023.
- 2) Second lot of Busduct material received at site on 31.01.2023.
- 3) Due to the R-Phase 220KV bushing to 11KV Busduct clearance issue, the design of the Busduct routing has been changed and the same has been erected as per the final design.
- 4) CRM test has been done by the M/S MSSP MEC and the test reports are found satisfactory.
- 5) The hard copy of the test reports will be submitted by the supplier along with the invoice.
- 6) All the erection job has been completed on 12.04.2023 and Transformer will be charged on 13.04.2023.

Mr. Maruthamuthu left the AM/NS site on 12.02.2022 at 06:00pm.

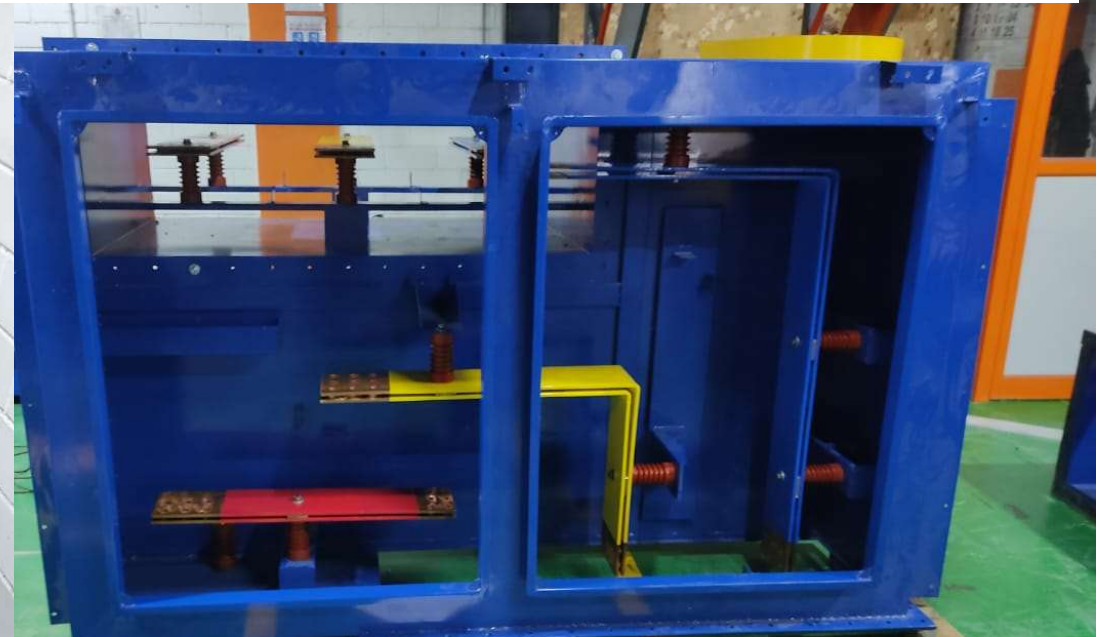
P. Satapathy
Pravanjan Satapathy
AM/NS India Ltd.

A. Maruthamuthu
MSSP MEC DESIGNER & ENGINEER-INDIA
A. MARUTHAMUTHU, B.E., C.E.O
NAMAKKAL DIST, TAMILNADU-637204 12/04/23
Mr. Maruthamuthu
MSSP MEC
(18:10 Pm)



MSSP-MEC DESIGNER & ENGINEER-INDIA

Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC
Namakkal Dt, Tamilnadu, India GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355



MSSP-MEC DESIGNER & ENGINEER-INDIA
GSTIN Number : 33AVGPM8719H1ZD
Business Focus : Our Services
Manufacture/Supplier/Trade of HT Switchboard (PCU, MCC, MCC, PD DB, MLDB, EI DB, Kiosk, Busbar, PLC Panel) & HT Switchboard (Indoor Kiosk, VCB, PCC, Isolator, LBS, MCB, Circuit Breaker, Control & Relay Panels, Bus Ducts / CSS, PLC and Automation Instrumentation on Turnkey Basis, Electrical Engineering, Minor/Medium Enclosure, Refurbishment of Electrical & Mech Works, PLC & Automation, EPC/MEC Consultant/Turnkey Contractor Packages, Drafting, Design, Engineering & Consultancy Services
AMC & Retrofit Works Services
Engineering Analysis & Optimization of Part & Power System Analysis
Servicing / Reliability Works of ACB, VCB, Substation, Servicing / Reliability Works of Earthing Pb, VFD, PLC, Servo VFD, Robot, Crane
AMC of all types of IT/IT Switchboards
AMC Package / works of UPS, Transformer DG, Earthing Devices, T.C, Servo, VFD, Robot, Stator, Process & Instrumentation and AMC of complete electrical works

To:-
The Branch Manager
DRS Bank India Limited
Velur Branch, 24 Thiruvalluvar Road
Paramathi Velur, (TN), Namakkal, (Dt)
Tamil Nadu, Pin Code: 636192

Bank Details
DRS Bank India Limited
A/C Name : MSSP MEC Designer and Engineer India
A/C No : 079030000002914 Branch : Velur
Customer ID : 53023738 IFSC : DRSIN060703

LC Details
Client : AMNS Hubtel Plant Paradeep, Jagatsinghpur
Documentary Credit Number : CNITF2300014
Date and Place of Expiry : 20230321 INDIA
Message Sender Reference : 20230120184041Y000001002116621
Message Receiver Reference : 20230120184041Y00000703000000101
LC Amount : Rs 35, 86, 841.28
Invoice Number : MSSP / TICDC / 0001, Date: 24.01.23
MSSP / TICDC / 0002, Date: 27.01.23

We are coming to you, Please Accept the Letter with Sign & Stamps for submit to Our Bankers for further Process from the Bank Side. This document as per the LC Letter 46A. Documents Required, I am expecting acceptance mails along with documents with your Sign & Stamp in the documents.

Please do the needful
Thanks and Regards

Authorized Signatory / Official Seal with Signature

Page 2 of 2



Works :- Unit No. 2/11, Chachundaiyam Palaiyam, Irukur Village,
Irukur Post, Kabilar Malai, Paramathi Velur (Taluk),
Namakkal (Dt), Tamil Nadu, India, Pin Code: 637 204
M. No : +91 6381251938
msspmechindia@gmail.com & msspmechindia@yahoo.com

Our Team & Sister Concern are in
NANAKKAL CHENNAI BANGALORE MUMBAI KOLKATA NEW DELHI

Original	10.12.2022	A.Muruthamuthu	A.Muruthamuthu	Original Draft
Issue	Date	Author	Approved By	Amendments

Front Cover Sheet

Client:
*Arcelor Mittal Nippon Steel India Ltd, Paradeep,
Jagatsinghpur, Odisha, India*

Consultant:
*MSSP MEC Designer and Engineer-India,
Namakkal, Tamil Nadu, India*

Project:
*Power Energize from 50mVA, 230/11kV Power
Transformer to VCB through 11kV, 3000A, TPN
Busduct Segregated Type (VCB & Trafo : ABB)
MSSP MEC Designer and Engineer-India*

Document Title:
*Certificate of Conformity for
11 kV, 3000A, TPN, MS Rectangular Enclosure
with Bus : Cu, Type-Segregated Bus duct*

Document Reference No : MSSP/AMNS/11kV BD/CC/003
Issue : Original Draft - 003 & Revision : 00 / Date : 10.12.22

Client P.O:AM/NS-PRD/OPJ/5300047990, Date: 22.08.2022

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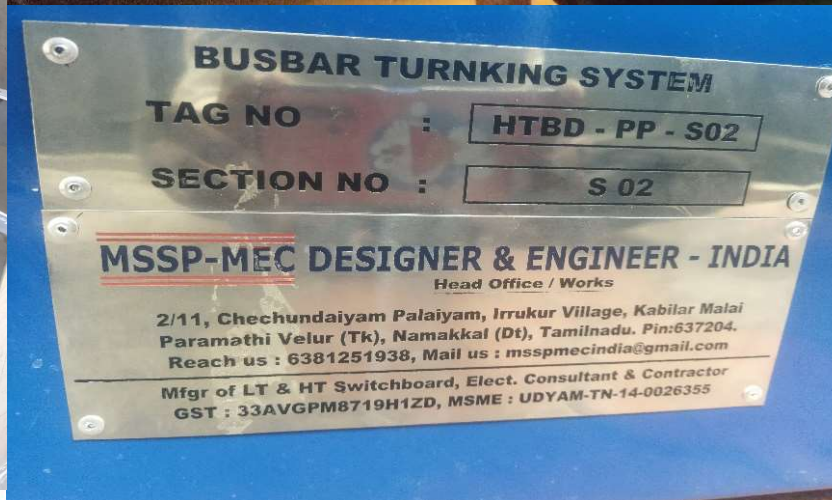
MSSP-MEC DESIGNER & ENGINEER-INDIA

Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC

Namakkal Dt, Tamilnadu, India

GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355

Executed Projects by MSSP ME 11kV Busduct – 13 Tones, Dispatched to AM/NS Pellet Plant Paradeepgarh, Jagatsinghpur, Odisha



MSSP-MEC DESIGNER & ENGINEER-INDIA

Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC

Namakkal Dt, Tamilnadu, India

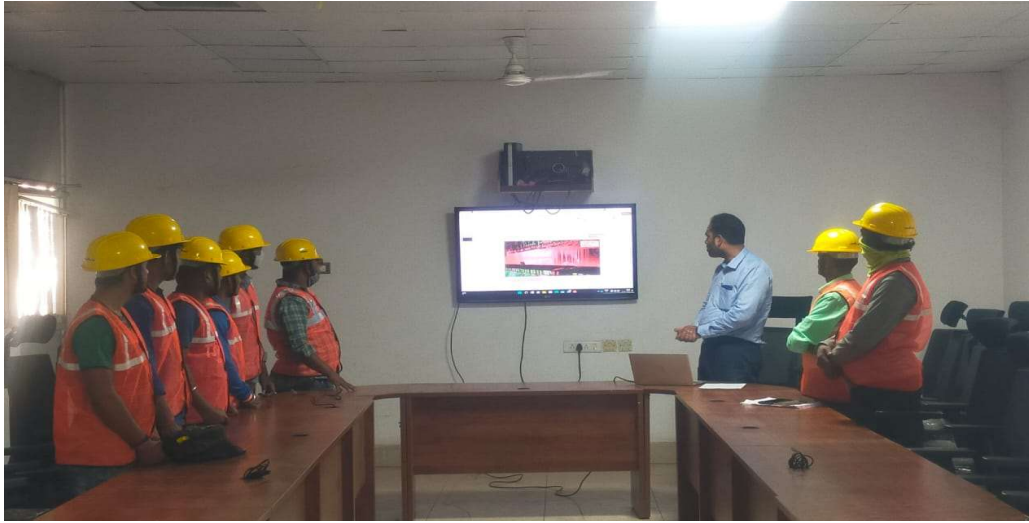
GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355

Executed Projects by MSSP MEC at Site



MSSP-MEC DESIGNER & ENGINEER-INDIA
Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC
Namakkal Dt, Tamilnadu, India
GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355

Daily Training / Safety / Work Procedure Session at AM/NS Site By MSSP/Cleint



Complete Erection, Installation, Testing, Commissioning done and Handover to Client Successfully on Date of 12.04.23



MSSP-MEC DESIGNER & ENGINEER-INDIA
Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC
Namakkal Dt, Tamilnadu, India
GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355

PATNAIK STEEL INTERNATIONAL LIMITED
A/22, 1st Floor, FALCON HOUSE, CUTTACK ROAD, BHUBANESWAR-751006
Ph: 9439074286/0677216367
Email: patnaiksteelpower@gmail.com

PURCHASE ORDER ☐ Original ☒ Amended

Name of Supplier: **MSSP-MEC DESIGNER AND ENGINEER-INDIA**
DOOR NO: 2/31, CHECHUNGUNYAM, PALANAYAM
IRUKUR VILLAGE, KABILAKMALAI POST
P. ARAMATHI VELUR, NAMAKKAL DIST
TAMIL NADU, PIN CODE: 637204
MSME: UDYAM-TN-14-0026355
GST: 33AVGPM8719H1ZD
e-mail: msspmecindia@gmail.com

Order No: **PF217-00017** Dt: **31-10-2023**
Party Ref: **MSSP REC 33KVPCVB 311023-24**
Date: **31-10-2023**
DELIVERY ADDRESS / PLACE OF SUPPLY: **BARGARH**

RWSS Govt of Odisha / KEC / Patnaik Steel International Ltd

Sr.	Item Code HSN	Item Dt			
1	85352122	Supply of 33KV HT PCVCB 1250 Amp 25 KA VCB Proclaim type outdoor type With GI support with GI Structure support of 33KV CT and PT Make-cpl	SET	2	
2	85352122	With Additional structural materials as per approved Drawing (ISMC Channels)	SET	2	
3	85352122	DC converter : Input DC voltage: 36VDC to 72DC, Output DC voltage: 24V output only (25 AMP 1500W DC TO DC Converter, 48VDC)	SET	2	
		In Approved 48VDC (CGL Coil Voltage is 24V or 110DC at vendor) If client arranging the 24V or 110dc means. No Problem it is implemented C&R			
Rs (in words): Thirteen lakhs five thousand sixty eight rupees only			Material Value		
			Transporting charges		
			Total charges		
			IGST 18 %		
			Order Amount		

Commercial Terms and Conditions:-

Price Basis :	Ex-Works
Delivery Terms :	Within 4 weeks from the date of receipt of Technically and commercially clear P.O along with advance payment.
Payment Terms :	50 % Advance along with P.O confirmation for submission of revised drawing and GTP rest 50% before dispatch of material.
Taxes :	To be charged extra GST @ 18% on basic price
Warranty :	A period of 12 months from the date of commissioning.

QC SPECIFICATIONS:

Note:

- (1) Annexure Containing Details of Items Ordered from an integral part of this Order
- (2) While Despatching The material, please see the gross weight is not more than 40MT each truck.

Our Statutory Details:

Range :	Bhubaneswar
Commissionerate :	Bhubaneswar
Division :	Bhubaneswar
PAN :	AAFC9618P

Our GSTIN: 21AAFC9618P32V

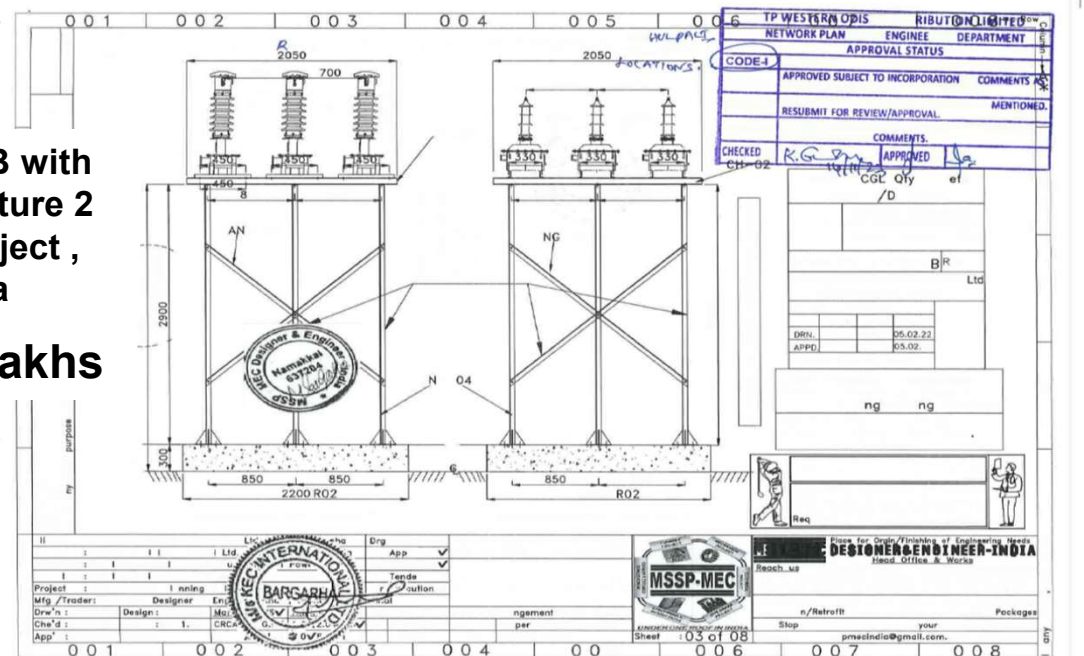
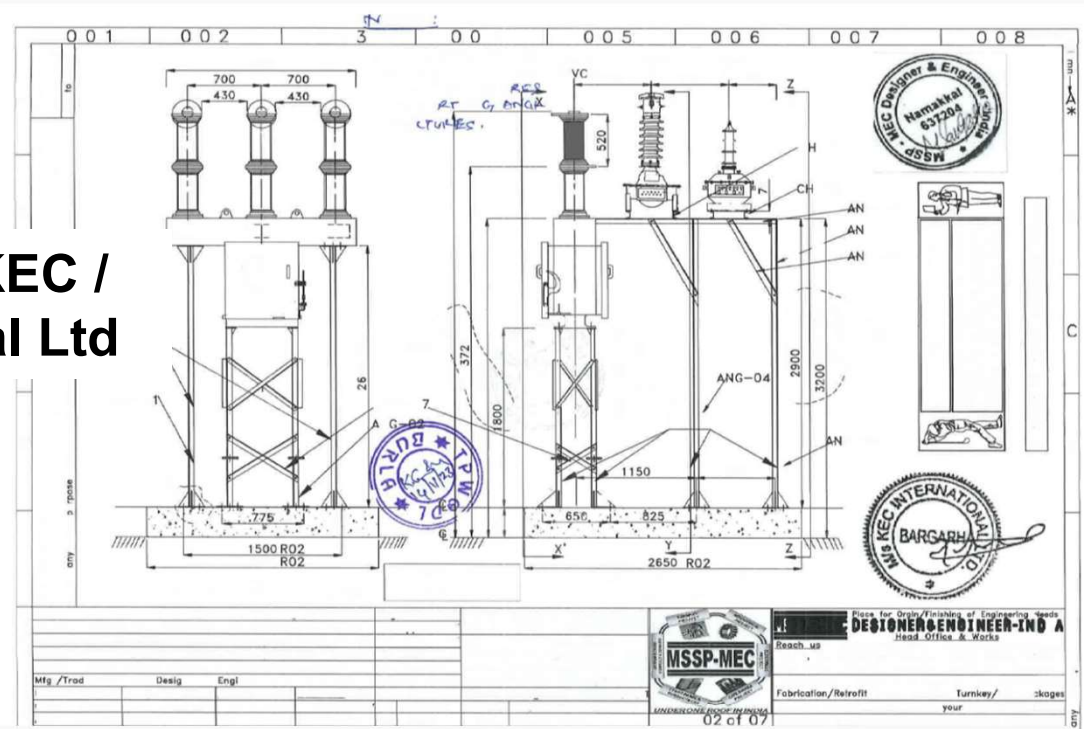
For PATNAIK STEEL INTERNATIONAL LIMITED

Corporate/H.O:
A/22, 1st Floor, Cuttack Road, Falcon House, Bhubaneswar-751006
Ph: 9439074286/0677216367 Fax: +91-674-2571017
Email: patnaiksteelpower@gmail.com

Authorized Signatory

**33kv 1250A, PCVCB with
CTs, PTs with Structure 2
Sets for RWSS Project ,
Govt of Odisha**

PO Value : 15 Lakhs



MSSP-MEC DESIGNER & ENGINEER-INDIA

Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC

Namakkal Dt, Tamilnadu, India

GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355

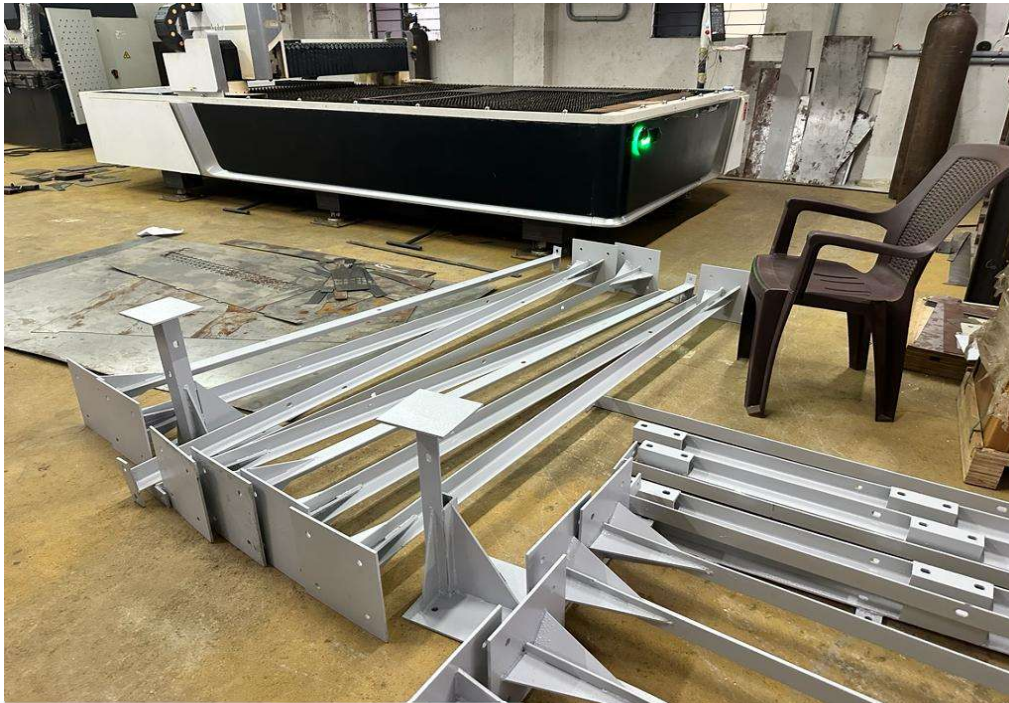
Customer Name :		Type of Check		Quantum of check / Sampling with basis	Reference documents	Acceptance norm	Format of record	Codes	Remarks
13 Control Panel - Routine Acceptance Test a Assembly & Dimension checks Bill of Material / Manufacturing instructions verification General Checks - earthing arrangement, interlock checks, wiring termination and labeling. b Physical 100% Customer Specs & Purchase order Acceptable if observations are as per tolerance limits EM A I S W Inspection Records on Job Card									
c Control Circuit Test Secondary Injection Test (functioning of relay, meters, Annunciators, lamps.) d Electrical All routine tests shall be carried out as per IS 13118-91 & respective WI & TI Acceptable if observations are as per tolerance limits EM, TC Inspection Records on Job Card no RW-03									
e HV Test Secondary (24V / 01 sec) 100% As per CPSP specification Dispatch clearance issued if all conditions are honored (Matching of specs, quantity, loose material and set of dips) EM, TC A J S W Test Records on Job Card No TP-03									
14 Pre Dispatch Inspection (By CPSP) a Breaker Specifications Panel Specifications, Completeness, loose material, hardware tightening, Dies to go along with Panel. b Physical 100% As per CPSP specification Dispatch clearance issued if all conditions are honored (Matching of specs, quantity, loose material and set of dips) EM, TC A J S W Test Records on Job Card No TP-03									
c Clearing the switchgear for Packing & dispatch Visual 100% As per CPSP specification Dispatch clearance issued if all conditions are honored (Matching of specs, quantity, loose material and set of dips) EM, TC A J S W Test Records on Job Card No TP-03									
15 Customer Inspection a All parameters mentioned in Serial No 12 & 13 Physical 10% All routine tests shall be carried out as per IEC 62271-100, 200, IS 13118-91 & respective WI & TI Test Certificate A J V V Nil									

this gap is approve for old version only.

Prepared by : Prashant Borse
Approved by : Pishdeep Deo



33kV PCVCB – 33kV Structure Supplied to Site



**PCVCB Supplied by MSSP
Approved By TPWOLD**

MSSP-MEC DESIGNER & ENGINEER-INDIA

Manufacturer of LT & HT Switchboard, Electrical Consultant, Contractor, EPC

Namakkal Dt, Tamilnadu, India

GST : 33AVGPM8719H1ZD & MSME : UDYAM-TN-14-0026355

33kV PCVCB Proposed



PORCELAIN CLAD VACUUM CIRCUIT BREAKER			
		CG Power and Industrial Solutions Limited M.V. Switchgear Division AMBAD, NASHIK (MADE IN INDIA)	
RATING TO : IEC62271 - 100		CIRCUIT BREAKER TYPE 36PV25A	
SR. NO. 116781VP			
VOLTAGE	36 kV	BREAKING CAPACITY	26.3 kA
CURRENT	1250 AMP	MAKING CAPACITY	65.75 kAp
FREQUENCY	50 HZ	SHORT TIME CURRENT	26.3 kA FOR 3 SEC
NO. OF POLES	3	DC COMPONENT	<50% BIL 70/170 kVp
OPERATING SEQUENCE/DUTY : O - 0.3Sec - CO - 3Min - CO			
SHUNT TRIP 24 VDC		CLOSING COIL 24 VDC	

SAFETY PRECAUTIONS

FOR OUTDOOR VACUUM CIRCUIT BREAKER

- ENSURE THE BREAKER IS OFF BEFORE WORKING ON FEEDER SIDE / CIRCUIT BREAKER.
- DISCONNECT THE SUPPLY BY ENSURING INCOMING AND OUTGOING ISOLATORS OFF.
- EARTH THE FEEDER SIDE AND SYSTEM BEFORE WORK, WITH PROPER EARTHING DEVICE.

**RWSS Govt of Odisha / KEC /
Patnaik Steel International Ltd**

**Delivered to Site RWSS at
Bargarh, Odisha**

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