

TUV INDIA PRIVATE LIMITED
INSPECTION RELEASE NOTE / CERTIFICATE
IRN-050109446024/3-13- Rev0

TUV India Control No: (SAP Number)	050109446024/3 (8123249572)	Date:	Draft
Project Name & Location:	Overall Project Management and EPCM Services for Capacity Expansion of Panipat Refinery	TUV India Branch Name:	Coimbatore
TUV India Client Name:	SCHNEIDER ELECTRIC INDIA PRIVA	End User Name:	IOCL Panipat REFINERY
DEC / PMC / EPC Name: (If applicable)	Engineers India Limited	DEC / PMC / EPC Assignment Number: (If applicable)	B269
Vendor Name & Location:	SCHNEIDER ELECTRIC INDIA PRIVA	P.O. Number: (Client PO on Vendor)	B269/430/29756702 Dated 14/03/2024
Sub Vendor Name & Location: (If applicable)		P.O. Number: (If applicable - Vendor PO on Sub Vendor)	

Item Description:

PO Item No.	Item Code	Item Description / Identification / MTC Number	UOM	P.O. Quantity	Offered Quantity	Accepted Quantity	Cumulative accepted Quantity
1.09	PCC-103302	415V, TPN, 4000A, 65 kA for 1 SEC MV SWITCHBOARD FOR S/S-103 AS PER DS-0102 & DS-1048 Tag No: PCC-103302 S/S-103 (PRU) Board No: SYNB894	number	1	1	1	1
1.43	ASB-102351	415V, TPN, 800A, 65 kA for 1 SEC MV SWITCHBOARD FOR S/S-102 AS PER DS-0102 & DS-1081 Tag No: ASB-102351 S/S-102(MUG) Board No: SYVE219	number	1	1	1	1
1.46	ASB-105351	415V, TPN, 800A, 65 kA for 1 SEC MV SWITCHBOARD FOR S/S-105 AS PER DS-0102 & DS-1084 Tag No: ASB-105351 S/S-105(CT-2) Board No: SYVE222	number	1	1	1	1

Reference Documents:

Sr. No.	Document Name	Client Document Number	Vendor Document Number	Approval Status
1	PR/MR/ARM	PR: B269-999-XC-PR-40-1430 Rev:0, Dated: 26.03.2024	Not Applicable	Released by M/s.EIL
2	QAP/ITP/QCP	ITP: 6-81-1018 Rev:04	Not Applicable	Approved by M/s.EIL, Dated: 15.05.2020
3	Drawing(s)	GA & SLD Drawings : SYNB894 Rev:03, SYVE219 Rev:02 & SYVE222 Rev:02 SCHEMES: SWDXX Rev.01 & SWDX Rev.01	GA : SYNB894 Rev:02, SYVE219 Rev:02 & SYVE222 Rev:02 SLD: SLNB894 Rev:02, SLVE219 Rev:02 & SLVE222 Rev:02 Schemes: SWD4132 Rev:01, SWD4116 Rev:01, SWD4120 Rev:01, SWD4121 Rev:01 & SWD4122 Rev:01, SWD4117 Rev:01, SWD4114 Rev:01, SWD4115 Rev:01, SWD4095 Rev:01, SWD4097 Rev:01, SWD4137 Rev:01 & SWD4096 Rev:01	Code-1, Approved by M/s.EIL, Dated: 07.10.2024, 05.12.2024 & 06.12.2024 Schemes: Code-R, Approved by M/s.EIL, Dated: 02.09.2024
4	Datasheet(s)	B269-999-16-50-DS-0102 Rev: A	Not Applicable	Code-1, Approved

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				by M/s.EIL, Dated: 27.11.2024
5	Procedure(s)	B269-999-16-50-SP-0040 Rev.0, Dated: 22.03.2024	Not Applicable	Released by M/s.EIL,
6	Others(Specify)	SCNB888 Rev:02	Master Bill of Materials & General Notes : SCNB888 Rev:01	Code-R, Approved by M/s.EIL, Dated: 30.10.2024

Stages Witnessed:

- 1) Visual Inspection carried out above panels - Found Acceptable
- 2) Overall dimensions checked as approved GA drawings - Found Acceptable
- 3) Internal/External, Module/ Base plate, End cover and control plate Paint shade (PEBBLE / FLINT GREY 7032) verified - Found Acceptable
- 4) Coating Thickness measured found above 70 Microns - Found Acceptable
- 5) Mounting & Proper Fixing of all components checked - Found Acceptable
- 6) Door alignment Fixing of Gasket checked - Found Acceptable
- 7) Verification of Components identification marking/ labels & Name plate details & Tag No checked - Found Acceptable
- 8) Earthing continuity checked - Found Acceptable
- 9) Wiring arrangement & Ferruling check as per schemes - Found Acceptable
- 10) Bus bars sizes, Clearances and Sleeves checked - Found Acceptable
- 11) Joint Shrouding & Phase Marking checked - Found Acceptable
- 12) Verification of Bus bar support arrangement - Found Acceptable
- 13) Provision of external cable termination and bus duct flange dimension checked - Found Acceptable
- 14) Electrical clearance and operating Height checked - Found Acceptable
- 15) Cable entry and gland plate thickness checked - Found Acceptable
- 16) BOM verification for Quantity, Make & Ratings - Found Acceptable
- 17) Inter- changeability of identical modules - Found Acceptable
- 18) Auto/manual/Independent modes, schemes verified for Incomers, bus coupler logic - Found Acceptable
- 19) Operation check for control and auxiliary equipment circuits and auxiliary contacts - Found Acceptable
- 20) Manual and electrical operation check of Breakers, Relays under normal and worst voltage conditions - Found Acceptable
- 21) Operation checks for all control functions and interlocks as per schematic diagrams in test and service position including mechanical interlock as applicable - Found Acceptable
- 22) Relay operation check through primary/secondary injection - Found Acceptable
- 23) CT functional check through primary injection test - Found Acceptable
- 24) Insulation Resistance for power and control circuit before & after HV Test - Found Acceptable
- 25) High Voltage test on Power Circuit (2.5 kV) and Control Circuit (2.0 kV) - Found withstood
- 26) Verified tightness of bus bars - Found Acceptable
- 27) All measuring instruments/ equipment were verified for continued suitability for intended use, proper identification, calibration status, traceability to national standards & found satisfactory.

Documents Reviewed:

- 1) Switchboards test and compliance certificates were reviewed and endorsed - Found in order.

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- 2) Manufacturer Test certificates for ACBs, Ammeters, Voltmeters, MFM, Relays, ELR with CBCT, LIU, CBCT, Ethernet Switches, PTs, CTs, VTs, Sheet Steels, Bus bars, busbar supports, Sleeves and Wires - Found in order.
- 3) Calibration status & certificates checked for used measuring instruments - Found with in valid due date
- 4) Type test of Short circuit test, Internal Arc test, Dielectric, Impulse test, Temperature rise, Breaker Duty cycle, Pollution level, degree of protection reviewed and endorsed - Found in order.
- 5) Compliance report email dated on 23.01.2025 - Found in order

NCR / Waiver: (if Any)

None.

Identification:

All accepted items were single soft stamped as "  " near manufacturer's marking.

Order status:

☐ Complete ☒ Incomplete

Date(s) of Inspection:

, 16/01/2025, 17/01/2025

Conclusion:

All items were inspected within the scope defined in PO, approved QAP/ITP/QCP & specifications - found to meet the specified requirements. .

Surveyor(S) to TUV India Private Limited
SIVARAMAN V

Distribution List: ☒ TUVI Client / End User ☒ TUV Executing Branch / TUV Originating Branch ☐ Vendor / Sub Vendor

Revision Number (If Applicable) [0] : -

This Document Supersedes IRN No.: -

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