

<b>TUV India Control No:</b> (SAP Number)	050204283923/95 (8121857231)	<b>Date:</b>	15/03/2025
<b>Project Name &amp; Location:</b>	Various Projects across PAN India	<b>TUV India Branch Name:</b>	Mumbai
<b>TUV India Client Name:</b>	ION EXCHANGE INDIA LIMITED	<b>End User Name:</b>	IOCL at Panipat Site
<b>DEC / PMC / EPC Name:</b> (If applicable)	ENGINEER INDIA LIMITED	<b>DEC / PMC / EPC Assignment Number:</b> (If applicable)	B269
<b>Vendor Name &amp; Location:</b>	INDOFAB INDUSTRIES	<b>P.O. Number:</b> (Client PO on Vendor)	2023-2024/01/031/N-00145/070003220002 Dated 22/01/2024
<b>Sub Vendor Name &amp; Location:</b> (If applicable)		<b>P.O. Number:</b> (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	-	Design, Engineering, Manufacturing, Inspection, Supply, Erection Supervision, Commissioning and PG Test of Lime Slaker System for RWTP (Reference LOI No. 2023-2024/IOCL/VS/LOI/00043 Dated 27.12.2023), Item Code - OS9AWAWIG0, Quantity, TAG NO. 472-LZ-103A/B- 02NOS , DRG NO. - IFI-2349-LS-4-01-RWTP Rev 07	Set	1	1	1	1
2	-	Design, Engineering, Manufacturing, Inspection, Supply, Erection Supervision, Commissioning and PG Test of Lime Slaker System for RO-DM (Reference LOI No. 2023-2024/IOCL/VS/LOI/00043 Dated 27.12.2023), Item Code - OSDAWAWI10, TAG NO. 475-LZ-103A/B- 02 NOS , DRG NO. - IFI 2349-LS-4-01-RODM Rev 07	Set	1	1	1	1
3	-	Design, Engineering, Manufacturing, Inspection, Supply, Erection Supervision, Commissioning and PG Test of Dolomite Slaker System for RO-DM (Reference LOI No. 2023-2024/IOCL/VS/LOI/00043 Dated 27.12.2023), Item Code - OSE08AWAWI10, TAG NO. 475-LZ-104A/B- 02NOS , DRG NO. IFI 2349-LS-4-01-DOLOMITE Rev 02	Set	1	1	1	1

**Reference Documents:**

Sr. No.	Document Name	Client Document Number	Vendor Document Number	Approval Status
1	PR/MR/ARM	Not Applicable	Not Applicable	Not Applicable
2	QAP/ITP/QCP	Not Applicable	B269-GENQ-PLN-0075, Rev. 00	Approved by client

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3	Drawing(s)	B269-472-P-GAD-LZ-0103 Rev3 B269-475-P-GAD-LZ-0103 Rev3 & B269-475-P-GAD-LZ-0104 Rev 4	IFI-2349-LS-4-01-RWTP Rev 02, IFI- 2349-LS-4-01-RODM Rev 02, IFI-2349-LS-4-01-DOLOMITE Rev 02	Retained for Records By EI
4	Datasheet(s)	Agitator datasheet - IFI-LS-04-ATDS-472-MX-104-C/D Rev 0, IFI-LS-04-ATDS-475-MX-205-A&B Rev 0, IFI-LS-04-ATDS-475-MX-113-A&B Rev 0	Not Applicable	Retained for Records By EIL
5	Procedure(s)	Not Applicable	Not Applicable	Not Applicable
6	Others(Specify)	Not Applicable	Not Applicable	Not Applicable

#### **Stages Witnessed:**

- 1) ITP SL NO. E-1 Visual inspection carried out in painted condition of offered lime and dolomite slacker, screw, screw conveyor, discharge chute and diverter from accessible area found free from injuries surface defects at the time of inspection.
- 2) ITP SL NO. E-2:- Dimensions inspection carried out as per approved GAD & found to meet as per drawing requirements.
- 3) ITP SL NO. E-3 :- Running trial carried out in no load condition for 2hr. of offered lime and dolomite slacker screw, slaking agitator and feeding screw conveyor drives with job motors (current/temperature/vibration/rpm/noise level) checked during testing time all drive parts/agitator/screw running smooth.
- 4) ITP Notes no. 3 :- PMI Inspection carried out of SS Items (agitator shaft/hub/impeller) to verifying main alloying elements, found to meet as per GAD and material specification requirements.
- 5) As per ITP clause no. E-6, Painting inspection carried out of offered equipment and found below observation at the time of inspection.
  - 1) Visual inspection carried out of offered Equipements and found free from injurious surface defects, except, vendor done match marking on Elbow and plates by welding.
  - 2) DFT checked of offered materials inside accessible surface areas, outside, top and bottom surface areas. Found coating thickness as per drawing and Approved painting procedure.
  - 3) Color shade checked by shade cards and found as per requirements. Paint shade details provided by Client via mail on dtd: 04.12.2024).
  - 4) Knife test (Adhesion test) was witnessed on 10% offered material no peel off observed at the time of inspection
  - 5) Holiday test was witnessed on 10% of coated area as per painting procedure and testing method NACE SP 0188 at 9 Volt- No discontinuity observed at the time of inspection.
- 6) All measuring instruments / equipment were verified for continued suitability for intended use, proper identification, calibration status, traceability to national standards & found acceptable.

#### **Documents Reviewed:**

- 1) TP Clause B, C-1, C-4, C-5 & C-6 Manufacturer's test certificates of offered as declared & submitted by vendor was reviewed/ Verified & found to meet relevant material specification.
- 2) ITP Clause D-1: WPS, PQR and WPQ report was reviewed and found in order.
- 3) ITP Clause D-1: DPT report of butt weld was reviewed and found in order. Except, Fillet weld DPT report balance for review. Vendor to be submit.
- 4) Motor, gearbox test certificate submitted by vendor reviewed found in order.
- 5) As per ITP Clause D-3 DPT report for fillet weld was reviewed and found in order.
- 6) As per ITP Clause: E4 & E5 Pickling and passivation report was reviewed and found in order.
- 7) Calibration certificates of measuring instruments used reviewed. Found with valid calibration dates.

**NCR / Waiver:** (if Any) None.

#### **Identification:**

**Order status:** ☒ Complete ☐ Incomplete

**Date(s) of Inspection:** 08/03/2025,13/03/2025,20/01/2025

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



Ajay Patil

On behalf of NILESH GUPTA

**Surveyor(S) to TUV India Private Limited**

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**Revision Number** (If Applicable) [0] : -

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