

General:						
TUV India Control Number:(SAP Number)	010102231523/17 (8121756267)		Branch:	Vadodara		
Notification Number:	Email dated - 29-11-2023		Date(s) of Inspection:	29/11/2023		
Project Name & Location:	Third-Party Inspection Services - JHAGADIA		Inspection Location:	Gundlav		
TUV India Client Name:	AARTI INDUSTRIES LIMITED JHAGADIA DIV.- ISO		End User Name:	Aarti Industries Limited		
DEC / PMC / EPC Name: (If applicable)	-		DEC / PMC / EPC Assignment Number: (If applicable)	-		
Vendor Name & Location:	MECH ENGINEERS - VALSAD		P.O. Number: (Client PO on Vendor)	4550418320 Dated 26/06/2023		
Sub Vendor Name & Location: (If applicable)	-		P.O. Number: (If applicable - Vendor PO on Sub Vendor)			
Stages Of Inspection:						
<input type="checkbox"/> Kick Off / Pre Inspection Meeting		<input type="checkbox"/> Material Identification		<input checked="" type="checkbox"/> Interim Stages		
<input checked="" type="checkbox"/> Document Review		<input type="checkbox"/> Final Inspection		<input type="checkbox"/> Re-Inspection		
Item Description:						
PO Item No.	Item Code	Item Description / Identification / MTC Number	UOM	P.O. Quantity	Offered Quantity	Acceptable Quantity
10	CH000124542	SHELL&TUBE HE 1.325kg/cm2g/FV 9.5m2 (J-2422) (Tag-10E0309)	number	1	1	Refer conclusion
20	CH000124540	SHELL&TUBE HE 4.0788kg/cm2g/FV 71.1m2 (J-2421) (Tag-10E0302)	number	1	1	Refer conclusion
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	2421-2422-QCP-01, Rev.-0	Approved by client		
3	Drawing(s)	Not Applicable	2421-MECh-23-01_R3(J-2421(Tag-10E0302) 2421-MECh-23-02_R3(J-2421(Tag- 10E0302) 2422-MECh-23-01_R3(J-2422(Tag- 10E0309) 2422-MECh-23-02_R3(J-2422(Tag- 10E0309)	Approved by client		
4	Datasheet(s)	Not Applicable	Not Applicable	Not Applicable		
5	Procedure(s)	Not Applicable	Not Applicable	Not Applicable		
6	Others(Specify)	Not Applicable	Not Applicable	Not Applicable		
Inspection Activities Carried Out:						
Stages Witnessed:						

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1	QCP Sr. No. B) 1) - Identification of Body flange carried out as per Attached material identification report.(J-2421/MIR-07, Heat No.-299343) (J-2421, Tag- 10E0302) a) Visual inspection carried out – No injurious surface imperfections were observed. b) Dimensions checked – Found to meet drawing requirements. c) Thickness checked – Refer area of concern. d) Mill test certificates of plates co-related with plate original marking – Found to meet the code requirement.
2	QCP Sr. No. G) 1) - Machining & after drilling of Top side & Bottom side tubesheet inspection carried out. Found as per drawing requirements. (J-2421, Tag- 10E0302)(J-2422, Tag- 10E0309)
3	QCP Sr. No. G) 5) - Inspection of shell from inside before insert of the bundle assembly carried out. (J-2421, Tag- 10E0302)(J-2422, Tag- 10E0309) a) Visual inspection from inside carried out – No major surface imperfections were observed. b) Dimensional inspection of shell carried out – Found as per drawing.

Documents Reviewed:**Details of Equipment(s) / Instrument(s) used for measuring / testing During Inspection: (Refer Notes)**

Sr. No.	Detail of Equipment(s)/ Instrument(s)	Range	ID	Validity till Date	Calibration Certificate Number	NABL / OTHER CERT. BODIES / NABL Traceability	NON-NABL
						Please tick or Write Yes (whichever is applicable)	
						See Note 1 & 2	See Note 3
1	Measuring Tape	0 to 5000 mm	ME/MT-17	13/04/2024 00:00:00	HTC/2023/04/10632	Yes	-
2	Measuring Tape	0 to 15000 mm	ME/MT-18	13/04/2024 00:00:00	HTC/2023/04/10633	Yes	-
3	Ultrasonic thickness gauge	2 to 200mm	6594-8170	11/10/2023 00:00:00	MMCO/EDISON-1/6594/2022-23	-	-
4	Digital vernier caliper	0 to 150mm	A22186484	19/01/2024 00:00:00	HTC/2023/01/1783	Yes	-
5	Measuring Tape	0 to 3000 mm	ME/MT-16	13/04/2024 00:00:00	HTC/2023/04/10631	Yes	-

Notes:

1) Other Certifying bodies are: NPL-India, CIPM (International Committee for Weights & Measures), ILAC & APLAC MRA Signatories.

2) Visiting inspector to ensure continued suitability for intended use, periodic maintenance, proper identification and valid calibration records and traceability to known National / International standards of the measuring instrument(s) / testing equipment(s).

3) Non NABL: If the calibration certificate(s) for the measuring instrument(s) / equipment(s) used during inspection do not have traceability to NABL / Other certifying bodies, then the scope of review is limited only to technical content in the calibration certificate.

4) In lieu of table above inspectors may collect master list from manufacturer / vendor / sub vendor with all above details clearly highlighting the details of instrument(s) / equipment(s) used during inspection.

Conclusion :

PO Item No Top side & Bottom side tubesheet Acceptable.

PO Item No Body Flange material identification not Acceptable

IRN can not be issued for all PO items because activities balance as per QAP/ITP/QCP, concerns are open.

Pending activities from this Visit:

None

Identification of inspected Item(s):Accepted plates hard stamped as  near manufacturer's marking..**Areas of Concerns:**

1. Body Flange Thickness required - 62mm & Observed 60mm

Non Conformities raised / Discrepancies observed during inspection (If Any, Mention TUV India NCR Number):**Attachments:**

<input checked="" type="checkbox"/> Inspection records – Total Page Nos.	Separate file	<input type="checkbox"/> Master List of calibrated Instruments / equipment :
<input checked="" type="checkbox"/> Inspection Photos – Refer Page Nos.	4 to 5	<input type="checkbox"/> Others (Specify) :

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Authorised Signature:		
TUV India representative:		Vendor / Sub Vendor Representative (If Applicable):
		
Name: ROSHAN PATEL	Date: 01/12/2023	Name:
Distribution List: <input checked="" type="checkbox"/> TUVI Client / End User <input checked="" type="checkbox"/> TUVI Executing Branch / TUV Originating Branch <input checked="" type="checkbox"/> Vendor / Sub Vendor		
Revision Number (If Applicable) [0] : -		
This Document Supersedes IVR No. :-		

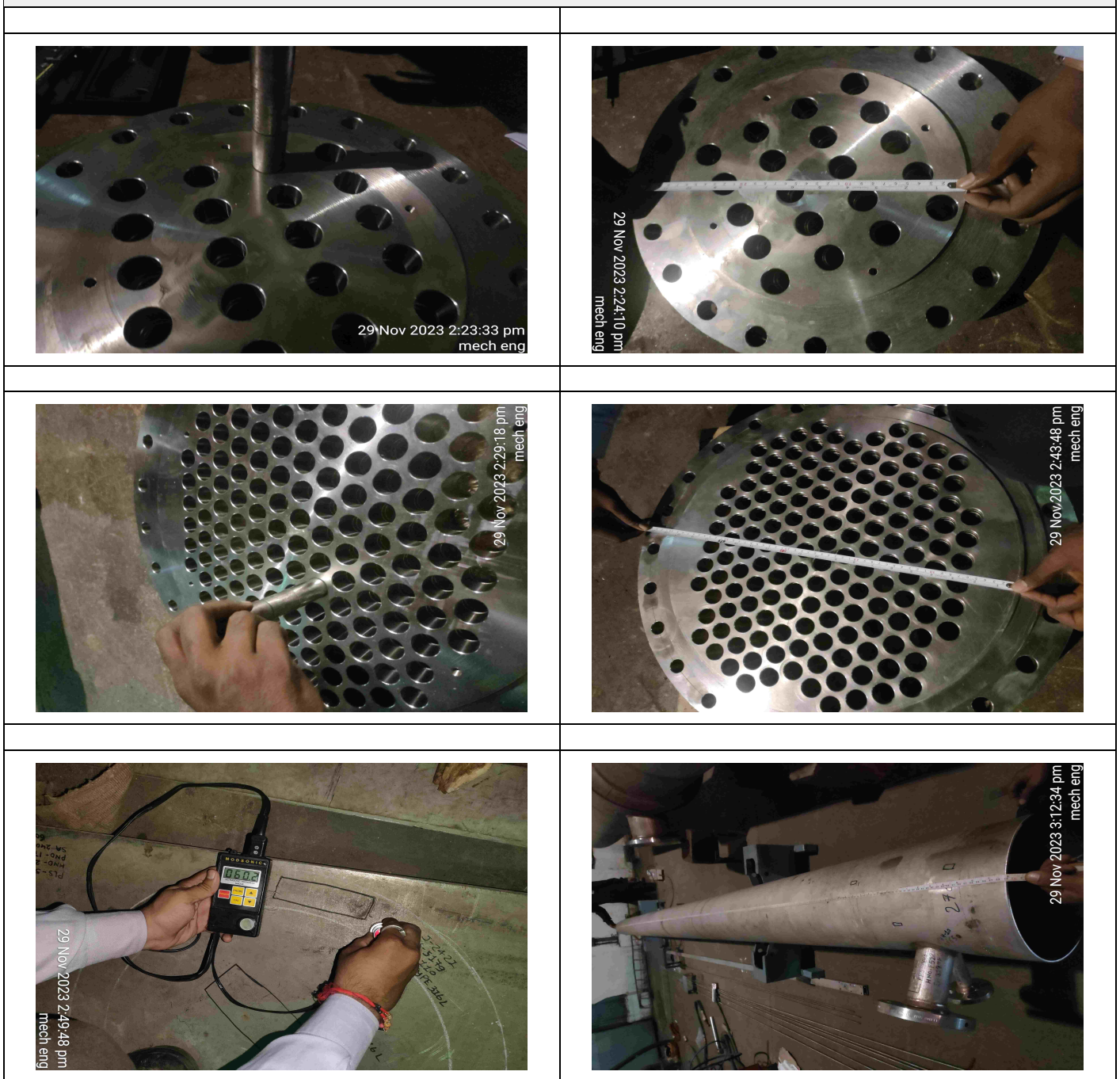
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Inspection Pictures :



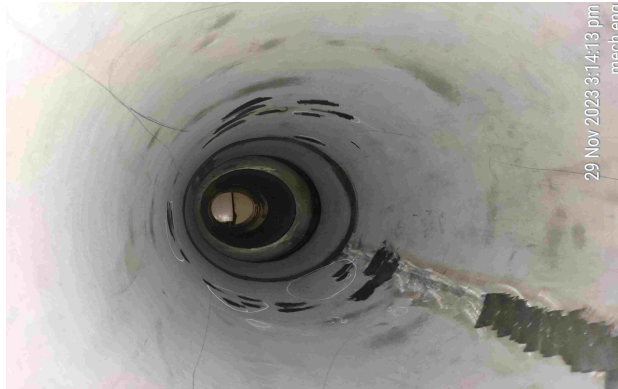
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Inspection Pictures :



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