

TUV INDIA PRIVATE LIMITED
INSPECTION RELEASE NOTE / CERTIFICATE
IRN-010101001720/351-4- Rev0

TUV India Control No: 010101001720/351
(SAP Number) (8118021368) **Date:** Draft

Project Name & Location: Diesel Hydro Treating Unit (DHDT) & Hydrogen Generation Unit (HGU)M/s, HPCL Rajasthan Refinery Limited (HRRL), Barmer **TUV India Branch Name:** Nagpur

TUV India Client Name: TOYO ENGINEERING INDIA PRIVATE **End User Name:** HPCL Rajasthan Refinery Limited (HRRL)

DEC / PMC / EPC Name: EIL **DEC / PMC / EPC Assignment Number:** B224
(If applicable) (If applicable)

Vendor Name & Location: NSSL PRIVATE LIMITED **P.O. Number:** P/6403/36823/AXHB101C-3
(Client PO on Vendor) Dated 24/06/2021

Sub Vendor Name & Location: **P.O. Number:**
(If applicable) (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
05	I1760091629	GATE VALVE SIZE 3" CL.150 A216GR.WCB/#8 RF BB,OSANDY ASME B16.10/API 600/ASME B16.5 HANDWHEEL NO RADIOGRAPHY TAG NO 51321 VALVE SR NO: 91210827, 91210828	number	06	02	02	06
06	I1760091630	GATE VALVE SIZE 4 " CL.150 A216GR.WCB/#8 RF BB,OSANDY ASME B16.10/API 600/ASME B16.5 HANDWHEEL NO RADIOGRAPHY TAG NO: 51321 VALVE SR NO: 91211148	number	01	01	01	01
		Total	number	7	3	3	7

Reference Documents:

Sr. No.	Document Name	Client Document Number	Vendor Document Number	Approval Status
1	PR/MR/ARM	HBDH-PD-000-PIP-MRP-AXHB101 Rev.0	Not Applicable	Client Document
2	QAP/ITP/QCP	HBDH-VD-000-PIP-ITP-AXHB101A-0001 Rev.04	6403-OA220010,REV.04	APPROVED BY TEIPL IN CODE A AND TUV IN CODE AP
3	Drawing(s)	HBDH-VD-000-PIP-DWG-AXHB101C1-0004 Rev.01	Not Applicable	APPROVED BY TEIPL IN CODE A
4	Datasheet(s)	Valve Datasheets: 51321	Not Applicable	Reference Document
5	Procedure(s)	Not Applicable	1) Paint Doc. No. WI/QA/18 2)LPI No. WI/QA/14 3) MPI No. WI/QA/15 4) RT No. WI/QA/16 5) Pressure Test No. WI/QA/23, 6) Helium Leak Test WI/QA/24A	Approved by TOYO & Reviewed by TUV
6	Others(Specify)	1) Surface Preparation And Protective Coating: B224-000-79-41-PLS-01, Rev.05 2) For Positive Material Identification (PMI): 6-81-0001 3) EIL Technical Notes For	Not Applicable	Client /EIL Document

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TUV India Pvt. Ltd. (TUV NORD GROUP): (REGD. & HEAD OFFICE)
801, Raheja Plaza - I, LBS Marg, Ghatkopar (West), Mumbai - 400086, Maharashtra, India.

Tel: + 91 22 66477000, Email: inspection@tuv-nord.com Website: www.tuv-nord.com/in

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	Valves: 6-44-0052, Rev. 7, 4) Special Requirement for Hydrogen Service B224-644-0082 Rev A	
	5) Marking on Valve : HBDH-ED-PIP-SPC-000-0011	
	Rev.03	

Stages Witnessed:

- 1) As per QAP clause 3.1, 3.2 & 3.3 Hydrostatic shell(100%), back seat, seat (both side) test on 10% randomly selected samples valve from offer lot item No Leakage / No Pressure drop observed during holding time.
- 2) QAP clause 3.4: Pneumatic air seat test both side on 10% randomly selected samples valve from offer lot item No Leakage / No Pressure drop observed during holding time.
- 3) As per QAP clause 3.6: Witnessed PMI for body, bonnet, stem, fasteners 10% samples valve from offer lot found satisfactory.
- 4) As per QAP clause 3.6: Witnessed Strip test 1% of samples valve from offer lot found satisfactory.
- 5) As per QAP clause 4.1: Marking verification on all items w.r.t valve sr.no, brand name, heat no. foundry logo, tag no found Satisfactory.
- 6) As per QAP Clause no : 4.1 Tagging details and marking name plate witnessed 10% of offer valve found as per drawing requirement.
- 7) QAP Clause no: 4.2 Functional test smooth closing and opening of samples valve witnessed 10% (Min 1 No) from offer lot found satisfactory.
- 8) As per QAP clause No. 4.2 Visual check on 100% from each item w.r.t surface defect, workmanship Found free of injurious defects.
- 9) As per QAP clause No. 4.2 Dimension check on 10% randomly selected samples from each item Found to meet material specification requirements.
- 10) As per QAP clause 4.5: Witnessed Final paint DFT randomly on offer valve & Handwheel found as per spec. requirement.
- 11) As per QAP clause 4.5: Witnessed paint Visual appearance, shade found as per spec. requirement.
- 12) All measuring instruments/ equipment were verified for continued suitability for intended use, proper identification, maintenance, calibration status, traceability to national standards & found satisfactory.



Documents Reviewed:

- 1) As per QAP clause No. 1.0, 2.0, 4.0 Manufacturer test & Compliance certificates NSSL/QA/21/221006/420 Dtd.13.09.2021 & NSSL/QA/21/221006/430 Dated 18.09.2021, w.r.t body, bonnet, wedge, seat ring, fasteners, stem, gasket & check test reports found to meet the specification requirements.
- 2) As per QAP clause No. 1.1 & 4.5 : Manufacturer Test & Compliance Certificate, DP, MPI & Hardness Test report, Painting report & Paint Certificate were reviewed found satisfactory.
- 3) As per QAP clause No. 1.1 : Radiography films viewed & reports were reviewed found satisfactory.
- 4) As per QAP clause No. 2.3 Reviewed applicable WPS / PQR / WQT found in order.
- 5) As per QAP clause No. 3.5 : Reviewed of Fugitive Emission test report as per API 624 found satisfactory.
- 6) As per QAP clause No. 4.6 : Pre dispatch Inspection/ Packing report reviewed found in order.

NCR / Waiver: (if Any)

None

Identification:

per size per class randomly selected & inspected valves double hard stamped as  & the remaining valves single hard stamped as  near manufacturer's marking.

Order status:

☐ Complete ☒ Incomplete

Date(s) of Inspection:

18/09/2021, 23/09/2021

Conclusion:

All items were inspected within the scope defined in approved Po.QAP specification & Found to meet the requirements of purchase order & Specifications. .

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AJAY VAIDYA

On behalf of VISHAL WARKE

Surveyor(S) to TUV India Private Limited

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