

# TUV INDIA PRIVATE LIMITED

## INSPECTION RELEASE NOTE / CERTIFICATE

IRN - 8119232871 - 19031 - 01 - Rev. 00



<b>TUV India Control Or SAP Number:</b>	8119232871	<b>Date:</b>	06-10-2021
<b>Project Name &amp; Location</b>	Fire Fighting Package For HURL's Fertilizer Plant, Barauni, Bihar	<b>TUV India Branch Name:</b>	Vadodara
<b>TUV India Client Name:</b>	M/s Thermo system PVT. LTD.	<b>End User Name:</b>	Hindustan Urvarak and Rasayan Limited, Barauni, Bihar.
<b>DEC / PMC / EPC Name:</b> (If applicable)	Projects & Development India Limited (PDIL)	<b>DEC / PMC / EPC Asgmt. Number:</b> (If applicable)	NIL
<b>Vendor Name &amp; Location:</b>	M/s Thermo system PVT. LTD	<b>P.O. Number:</b> (Client PO on Vendor)	PNMM/PC171/WC/006,DT-10/07/2019
<b>Sub Vendor Name &amp; Location:</b> (If applicable)	M/s United Forge Industries, Por GIDC	<b>P.O. Number:</b> (If applicable - Vendor PO on Sub Vendor)	P-388/NB/81/19031 Amnd-0 Dtd: 11.02.2021

### Item Description:

PO Item No.	Item Code	Item Description	UOM	P.O. Quantity	Offered Quantity	Accepted Quantity	Cumulative Accepted Quantity
1	NB.104.00 P-388	CS ELBOW 90° 3000# S/W X BSPT ASTM A 105 GI ASME B16.11 SIZE.1 1/2" X 1/2"	Nos.	01	01	01	01
2	NB.104.00 P-388	CS REDUCING TEE 3000# S/W X BSPT ASTM A 105 GI ASME B16.11 SIZE.1 1/2" X 1/2"	Nos.	15	15	15	15
3	NB.104.00 P-388	CS REDUCING TEE 3000# S/W ASTM A 105 GI ASME B16.11 SIZE.1 1/2" X 1"	Nos.	02	02	02	02
4	NB.104.00 P-388	CS ELBOW 90° R 1.5D B/W SCH-40 ASTM A 234 GR.WPB ASME.B16.9 SIZE 4"	Nos.	02	02	02	02
5	NB.104.00 P-388	CS EQUAL TEE B/W SCH-40 ASTM A 234 GR.WPB ASME.B16.9 SIZE 4"	Nos.	01	01	01	01
6	NB.104.00 P-388	CS ELBOW 90° 3000# SW ASTM A 105 GI ASME B16.11 SIZE 1"	Nos.	01	01	01	01
7	NB.104.00 P-388	CS REDUCING COUPLING 3000# SW X BSPT-F ASTM A 105 GI ASME B16.11 SIZE 1" X 1/2"	Nos.	02	02	02	02
8	NB.104.00 P-388	CS REDUCING COUPLING S/W 3000# ASTM A 105 GI ASME B16.11 SIZE 1 1/4" X 1"	Nos.	02	02	02	02
9	NB.104.00 P-388	CS ELBOW 90° B/W R 1.5D SCH-40 ASTM A 234 GR WPB GI ASME B 16.9 SIZE 4"	Nos.	06	06	06	06
10	NB.104.00 P-388	CS ELBOW 90° B/W R 1.5D SCH-40 ASTM A 234 GR WPB GI ASME B 16.9 SIZE 3"	Nos.	01	01	01	01
11	NB.104.00 P-388	CS REDUCING ELBOW 90° 3000# SW X BSPT ASTM A 105 GI ASME B.16.11 SIZE 1" X 1/2"	Nos.	16	16	16	16
12	NB.104.00 P-388	CS REDUCING COUPLING S/W 3000# ASTM A 105 GI ASME B16.11 SIZE 1 1/2" X 1"	Nos.	03	03	03	03

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13	NB.104.00 P-388	CS CON REDUCER B/W SCH-40 ASTM A 234 GR WPB GI ASME B 16.9 SIZE 4" X 3"	Nos.	01	01	01	01
14	NB.104.00 P-388	CS CON REDUCER B/W SCH-40 ASTM A 234 GR WPB GI ASME B 16.9 SIZE 2" X 1 1/4"	Nos.	02	02	02	02
15	NB.104.00 P-388	CS CON REDUCER B/W SCH-40 ASTM A 234 GR WPB GI ASME B 16.9 SIZE 2" X 1 1/2"	Nos.	04	04	04	04
16	NB.104.00 P-388	CS CON REDUCER B/W SCH-40 ASTM A 234 GR WPB GI ASME B 16.9 SIZE 3" X 2"	Nos.	04	04	04	04
17	NB.104.00 P-388	CS EQUAL TEE B/W SCH 40 ASTM A 234 GR WPB GI ASME B16.9 SIZE 4"	Nos.	01	01	01	01
18	NB.104.00 P-388	CS EQUAL TEE B/W SCH-40 ASTM A 234 GR WPB GI ASME B16.9 SIZE 3"	Nos.	02	02	02	02
19	NB.104.00 P-388	CS EQUAL TEE B/W SCH-40 ASTM A 234 GR WPB GI ASME B16.9 SIZE 2"	Nos.	01	01	01	01
20	NB.104.00 P-388	CS EQUAL TEE S/W 3000# ASTM A 105 GI ASME B16.11 SIZE.1"	Nos.	06	06	06	06
21	NB.104.00 P-388	CS HALF COUPLING 3000# BSPTF ASTM A 105 GI ASME B16.11 SIZE.1/2"	Nos.	17	17	17	17
22	NB.104.00 P-388	CS REDUCING TEE 3000# SW X BSPT ASTM A 105 GI ASME B16.11 SIZE.1" X 1/2"	Nos.	05	05	05	05
23	NB.104.00 P-388	CS REDUCING TEE 3000# SW X BSPT ASTM A 105 GI ASME B16.11 SIZE.1 1/4" 1/2"	Nos.	06	06	06	06
24	NB.104.00 P-388	CS REDUCING TEE SW 3000# ASTM A 105 GI ASME B16.11 SIZE.1 1/4" X 1"	Nos.	02	02	02	02
25	NB.104.00 P-388	CS REDUCING TEE SW 3000# ASTM A 105 GI ASME B16.11 SIZE.2" X 1"	Nos.	02	02	02	02

**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	UFI/PDIL/CS/109/19-20 Dtd: 01.02.2020  UFI/PDIL/CS/111/19-20 Dtd: 01.02.2020	Approved by the PDIL.
3)	Drawing(s)	Not Applicable	Not Applicable	Not Applicable
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

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**Stages Witnessed:**

- 1) Tensile test & Hardness tests at NABL approved lab on identified per heat test sample - Found to meet specification requirements
- 2) Visual inspection carried out for each line item - No injurious surface defects observed.
- 3) Dimension check on (10% Min-01 No.) randomly selected samples from each line item – Found within acceptable limit of dimensional standard.
- 4) UT test witnessed on (10% Min-01 No.) Bevel ends up to 50 mm area randomly selected samples from each line item of Butt weld fittings (Above 2") - Found to meet the specification requirements.
- 5) MPI test witnessed on (10% Min-01 No.) Bevel ends and outer body area randomly selected samples from each line item - Examined areas found free of relevant indications.
- 6) DPT test witnessed on (10% Min-01 No.) Bevel ends randomly selected from each line item - Examined areas found free of relevant indications.
- 7) Marking verified for each line items.


**Documents Reviewed:**

- 1) Check test report of Raw Materials declared by vendor - Found to meet the material specification requirements.
- 2) Product Chemical Analysis & Impact test report - Found to meet the specification requirements.
- 3) Heat Treatment Charts/Reports - Found to meet the specification requirements.
- 4) MPI Test Report, UT Test Report, DPT Test Report, Galvanizing Report & Dimension Report - Found to meet the specification requirements.
- 5) Manufacturing Test Certificate No. UFI/21-22/0796, UFI/21-22/0797, UFI/21-22/0811, UFI/21-22/0812 & UFI/21-22/0813 Dtd: 06.10.2021 declared by supplier - Found to meet the specification requirements.

**NCR / Waiver:** (if Any)

None

**Identification:**

10% inspected items identified with hard [double] & rest [single]"  "stamp near manufacturer's marking.

**Order status:**

☒ Complete ☐ Incomplete

**Sub order status:** (If applicable)

☒ Complete ☐ Incomplete

**Date(s) of Inspection:**

30.09.2021 & 06.10.2021

**Conclusion:**

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



For self Virbhadrasingh Rathod  
**Inspector(s) to TUV India Private Limited**

**Distribution List:** ☒ TUV India Client / End User ☒ TUV India Executing / Originating Branch ☒ Vendor / Sub Vendor

**Revision Number** (If Applicable) : 00 – Type Reason for revision here.

**This Document Supersedes IRN No.:** Mention previous IRN Number.

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