

**INSPECTION RELEASE NOTE/CERTIFICATE NO: 1001121617/7020-1(8114466187)**

**DATE: 21/03/17**

PROJECT / CUSTOMER : BS-IV DHDS HEATER IOCL GUJARAT/ PLACE OF ISSUE: MUMBAI  
TECNICAS REUNIDAS  
PMC : Thyssenkrup Industrial Solutions(India) PMC JOB NO. : 6674  
VENDOR / SUB-VENDOR : CSA FITTINGS LOCATION : TALOJA  
PURCHASE ORDER NO. : 3306507020 REV 00 DATED : 15/11/16

| PO<br>Item<br>No. | Item Code/<br>Material Description | LOT NO. | Quantity<br>Offered | Quantity<br>accepted | Is item QTY<br>complete as<br>per PO |
|-------------------|------------------------------------|---------|---------------------|----------------------|--------------------------------------|
|                   | DETAILS AS PER PAGE 2 OF 2         |         |                     |                      |                                      |

**REFERENCE DOCUMENTS**

- TKIS ITP NO : 33065-07020-0001 REV 00
- Approved QAP/ITP No. : CSAF/TERE/403 REV 3 DTD 06/03/2017

**STAGES WITNESSED :**

- Visual check for surface finish on 100% items – No injurious surface defects were observed.
- Dimension and marking check on 25% randomly selected samples from each item – found to meet the drawing/specification requirements.
- DP test of bevel edges for 25% randomly selected fittings – Found Satisfactory.
- PMI check 10% on randomly selected items – Found Satisfactory
- UT thickness check on 25% randomly selected bends – Found Satisfactory
- IBR stamp & marking verified for IBR fittings – Found Satisfactory

**Documents/records reviewed:**

- Raw material test certificate of each lot – found to meet the specification requirements.
- Physical tests (Tensile, IGC 'E') at ☒ NABL accredited lab ☐ manufacturer's in-house testing facility on representative samples – found to meet the specification requirements.
- Chemical analysis reports of samples of each lot, Lab Check test reports – Found in order.
- Heat Treatment charts of each lot – Found in order.
- Manufacturer T.C. No. 2233 & 2234 DTD 19/03/17 - Found in order.
- IBR FORM III C NO CSAF/163/16-17 DTD 23/02/2017 – Found in order.
- Hardness report for all fittings – Found in order

**NCR/WAIVER(If Any) : NIL**

**IDENTIFICATION : 25 % inspected items identified with ☒ hard double " stamp on outer surface and balance single stamped on non IBR fittings only**

**ORDER STATUS : ☐ Complete ☒ Incomplete**

**DATE(s) OF INSPECTION : 21.03.2017**

**CONCLUSION : All items were inspected within the scope defined in approved QAP/ITP & found to meet the requirements of purchase order & specification.**

All measuring instruments/ equipment were verified for continued suitability for intended use, proper identification, maintenance, calibration status, traceability to national standards & found satisfactory.

Disclaimer: The issue of this Inspection release note/certificate does not relieve the supplier / manufacturer from his/her responsibility towards the client to supply item(s) concerned, in full compliance with the requirements of the purchase order & project specifications.

K.P.Venugopalan  
Surveyor(s) to TUV India Private Limited



[REV 01(If APPLICABLE) – (JUSTIFICATION). THIS DOCUMENT SUPERSEDES IRN NO..... DATED.....]

**TUV INDIA PVT. LTD.**

241, HINDUSTAN KOHINOOR COMPLEX, OPP. MTNL OFFICE, L. B. S.  
MARG, VIKHROLI – WEST, MUMBAI – 400 083.

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**DATE: 21/03/17**

| PO Item No. | Item Code/<br>Material Description                                    | LOT NO. | Quantity Offered (Nos) | Quantity accepted (Nos) | Is item QTY complete as per PO |
|-------------|-----------------------------------------------------------------------|---------|------------------------|-------------------------|--------------------------------|
| 01-201      | 168.3 ODX141.3 ODX140 MM LG. SCH-40 BW CONC.REDUCER A403 WP347H B16.9 | 734     | 8                      | 8                       | YES                            |
| 01-202      | 6" SCH-40 BW 180 DEG.SR BEND A403 WP347H B16.9                        | 734     | 56                     | 56                      | YES                            |
| 01-203      | 6" SCH-40 BW 90DEG.LR BEND A403 WP347H B16.9                          | 734     | 16                     | 16                      | YES                            |
| 01-204      | 6" SCH-40 BW 90DEG.SR BEND A403 WP347H B16.9                          | 734     | 23                     | 23                      | NO                             |
| 01-205      | 6" SCH-40 BW 45DEG.LR BEND A403 WP347H B16.9                          | 734     | 8                      | 8                       | YES                            |
| 01-206      | 5" SCH-40 BW 180 DEG.SR BEND A403 WP347H B16.9                        | 734     | 44                     | 44                      | YES                            |
| 01-207      | 5" SCH-40 BW 90 DEG.SR BEND A403 WP347H B16.9                         | 734     | 8                      | 8                       | YES                            |
| 01-201S     | 168.3 ODX141.3 OD SCH-40 BW CONC.REDUCER A403 WP347H B16.9            | 734     | 1                      | 1                       | YES                            |
| 01-202S     | 6" SCH-40 BW 180 DEG.SR BEND A403 WP347H B16.9                        | 734     | 6                      | 6                       | YES                            |
| 01-203S     | 6" SCH-40 BW 90DEG.LR BEND A403 WP347H B16.9                          | 734     | 2                      | 2                       | YES                            |
| 01-205S     | 6" SCH-40 BW 45DEG.LR BEND A403 WP347H B16.9                          | 734     | 1                      | 1                       | YES                            |
| 01-206S     | 5" SCH-40 BW 180 DEG.SR BEND A403 WP347H B16.9                        | 734     | 5                      | 5                       | YES                            |
| 01-207S     | 5" SCH-40 BW 90DEG.SR BEND A403 WP347H B16.9                          | 734     | 1                      | 1                       | YES                            |
| 01-306      | 6"X1-1/2" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                  | 755     | 12                     | 12                      | YES                            |
| 01-307      | 6"X3/4" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                    | 755     | 12                     | 12                      | YES                            |
| 01-308      | 12"X6" SCH-40 BW WELDOLET A182 F347H MSS-SP-97                        | 755     | 8                      | 8                       | YES                            |
| 01-316      | 12"X3/4" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                   | 755     | 4                      | 4                       | YES                            |
| 01-325      | 16"X1-1/2" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                 | 755     | 3                      | 3                       | YES                            |
| 01-326      | 12"X1-1/2" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                 | 755     | 2                      | 2                       | YES                            |
| 01-306S     | 6"X1-1/2" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                  | 755     | 2                      | 2                       | YES                            |
| 01-307S     | 6"X3/4" SCH-40/80 BW WELDOLET A182 F347 MSS-SP-97                     | 755     | 2                      | 2                       | YES                            |
| 01-308S     | 12"X6" SCH-40 BW WELDOLET A182 F347H MSS-SP-97                        | 755     | 1                      | 1                       | YES                            |
| 01-316S     | 12"X3/4" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                   | 755     | 1                      | 1                       | YES                            |
| 01-326S     | 12"X1-1/2" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                 | 755     | 1                      | 1                       | YES                            |
| 01-325S     | 16"X1-1/2" SCH-40/80 BW WELDOLET A182 F347H MSS-SP-97                 | 755     | 2                      | 2                       | YES                            |
| 01-208      | 5" SCH-40 THK. BW 180 DEG.SR BEND A234 WP22 IBR                       | C/877   | 54                     | 54                      | YES                            |
| 01-208S     | 5" SCH-40 THK. BW 180 DEG.SR BEND A234 WP22 CL-1 IBR                  | C/877   | 6                      |                         | YES                            |

**K.P.Venugopalan**  
Surveyor(s) to TUV India Private Limited

[REV 01(IF APPLICABLE) – (JUSTIFICATION). THIS DOCUMENT SUPERSEDES IRN NO..... DATED.....]

Distribution list: ☒ Client, ☒ Vendor, ☒ TUV ☐ TUV Branch office (If applicable)

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