

# CERTIFICATE

**TÜV NORD Systems GmbH & Co. KG**

certifies that the company

**Panchmahal Steel Ltd.**

**GIDC Estate, Kalol - 389 330**

**Dist. Panchmahal, State: Gujarat, India**

has been verified and recognized as material manufacturer according to

**AD 2000-Merkblatt W0**

**Certificate-No.: 07/203/1409/WP/1015/20**

File No.: 811 878 5014

Production site: **See above**

The scope of approval is available in the annex scope of approval.

The company fulfils the following essential requirements:

Facilities for appropriate manufacturing and testing, appropriate procedures for manufacturing of the products, qualified personnel for manufacturing and testing of the products and a quality management system with appropriate records, which ensures proper manufacture of the products, as well as compliance with the requirements specified in the material specification.

This certificate is valid until

**November 2023**

Essen, 2020-11-12

Annex: scope of approval

Conventional Power Plants  
Langemarckstr. 20  
45141 Essen

Phone: 201-825-2722  
Fax: 201-825-2858  
E-Mail: DNiekamp@tuev-nord.de



  
**Niekamp**

TÜV NORD Systems GmbH & Co. KG,  
Große Bahnstraße 31, D-22525 Hamburg

# CERTIFICATE

**Quality-Assurance System for material manufacturer  
according to Pressure Equipment Directive 2014/68/EU**

**Certificate no.: 07/202/1409/WZ/1015/20**

**Name and address  
of the manufacturer:** Panchmahal Steel Ltd.  
GIDC Estate, Kalol – 389 330  
Dist. Panchmahal, State: Gujarat, India

Herewith we certify that the manufacturer has established and applies a **quality-assurance system related to the material**. This QA System has been subjected to a specific assessment acc. to directive 2014/68/EU, annex I, point 4.3 with regard to the materials mentioned in the scope of approval.

Approved acc. to directive 2014/68/EU: **QA-System in relation to materials,  
EN 764-5, section 4.2 and AD2000-Merkblatt W0**

Certification file no.: **811 878 5014**

Audit report file no.: **811 870 5206**

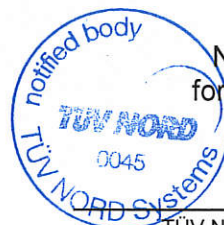
Scope of approval:  
(product / material) **Stainless Steel Billets, Bars and Wire Rods**

Production site: **GIDC Estate, Kalol – 389 330, Dist. Panchmahal, State:  
Gujarat, India**

The certificate is valid until: **November 2023**

Only valid in conjunction with a valid certificate acc. to EN ISO 9001.

Essen, 2020-11-12



Notified Body (0045)  
for Pressure Equipment

  
Niekamp

TÜV NORD Systems GmbH & Co. KG,  
Große Bahnstraße 31, D-22525 Hamburg

Annex: Scope of Approval

Conventional Power Plants  
Langemarckstr. 20  
45141 Essen

Phone 201-825-2722  
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e-mail dniekamp@tuev-nord.de

Member of



CONFÉDÉRATION EUROPÉENNE D'ORGANISMES DE CONTRÔLE

Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

☒ Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Zertifikat-Nr. / Certificate No.:

Point 4.3.

☒ AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Firma / Company: Panchamahal Steel Ltd.

Ort / Location: GIDC Estate, Kalol - 389330

District: Panchmahal State: Gujarat, India.

07 202 1409 WZ 1015 20

07 203 1409 WP 1015 20

Datum / Date: 12.11.2020

AZ / File No.: ISIPC-1014/20

SAP-No.: 811 878 5014



| Nr.<br>No. | Werkstoffbezeichnung<br>Material<br>designation | Spezifikation<br>Specification | Lieferzustand*<br>Delivery cond.* | Erzeugnisform<br>Product type | Abmessungen<br>Dimensions<br>Dicke<br>Thickness<br>[mm] | Ø / Gewicht<br>Ø / Weight<br>[kg] | Prüfgrundlagen<br>Test specifications | Bemerkungen<br>Remarks                                                                        |
|------------|-------------------------------------------------|--------------------------------|-----------------------------------|-------------------------------|---------------------------------------------------------|-----------------------------------|---------------------------------------|-----------------------------------------------------------------------------------------------|
| 1.1        | 1.4301                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       | Maximum 90mm Square Billets                             |                                   | Directive 2014/68/EU                  | Certified acc. to PED annex I, sec. 4.3 by the notified body of TÜV NORD System (Reg.No.0045) |
| 1.2        | 1.4306                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       | Maximum 140mm x 140mm Billets                           |                                   | AD 2000 Merkblatt W2                  |                                                                                               |
| 1.3        | 1.4307                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       | Maximum 85mm Bars                                       |                                   | AD 2000 Merkblatt W10                 |                                                                                               |
| 1.4        | 1.4401                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       | Maximum 5.50mm to 28.00mm Wire Rod                      |                                   |                                       |                                                                                               |
| 1.5        | 1.4404                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       |                                                         |                                   |                                       |                                                                                               |
| 1.6        | 1.4571                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       |                                                         |                                   |                                       |                                                                                               |
| 1.7        | 1.4541                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       |                                                         |                                   |                                       |                                                                                               |
| 1.8        | 1.4435                                          | DIN EN 10272                   | AT or AR                          | Billet, bars, Wire Rods       |                                                         |                                   |                                       |                                                                                               |

\* +AT = Lösungsgeglüht / solution annealed, +N = normalgeglüht, normalisierend umgeformt / normalized forming, +U = unbehandelt / untreated, +NT = normalgeglüht und angelassen / normalized and tempered, +QT = vergütet / quenched and tempered, +M = thermomechanisch umgeformt / thermo mechanical formed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled (weitere Symbole / other symbols: EN 10027-1, Tab. 18)



Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

☒ Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Zertifikat-Nr. / Certificate No.:

Point 4.3.

☒ AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Firma / Company: Panchamahal Steel Ltd.

Ort / Location: GIDC Estate, Kalol - 389330

District: Panchmahal State: Gujarat, India.

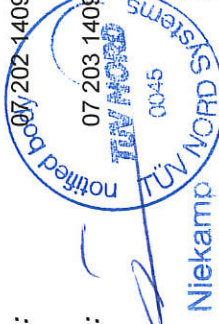
07/202-1409 WZ 1015 20

07 203 1409 WP 1015 20

Datum / Date: 12.11.2020

AZ / File No.: ISIPC-1014/20

SAP-No.: 811 878 5014



| Nr. No. | Werkstoffbezeichnung<br>Material designation | Spezifikation<br>Specification | Lieferzustand*<br>Delivery cond.* | Erzeugnisform<br>Product type | Abmessungen<br>Dimensions<br>Dicke<br>Thickness [mm] | Ø / Gewicht<br>Ø / Weight [kg] | Prüfgrundlagen<br>Test specifications | Bemerkungen<br>Remarks |
|---------|----------------------------------------------|--------------------------------|-----------------------------------|-------------------------------|------------------------------------------------------|--------------------------------|---------------------------------------|------------------------|
| 2.1     | 1.4301                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       | Maximum 90mm Square Billets                          |                                |                                       |                        |
| 2.2     | 1.4306                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       | Maximum 140mm x 140mm Billets                        |                                |                                       |                        |
| 2.3     | 1.4307                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       | Maximum 85mm Bars                                    |                                |                                       |                        |
| 2.4     | 1.4401                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       | Maximum 5.50mm to 28.00mm Wire Rod                   |                                |                                       |                        |
| 2.5     | 1.4404                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       |                                                      |                                |                                       |                        |
| 2.6     | 1.4571                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       |                                                      |                                |                                       |                        |
| 2.7     | 1.4541                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       |                                                      |                                |                                       |                        |
| 2.8     | 1.4435                                       | DIN EN 10088-3                 | AT or AR                          | Billet, bars, Wire Rods       |                                                      |                                |                                       |                        |

If use in area of PED 2014/68/EU a particular Material (PMA) is necessary.

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Notifizierte Stelle 0045 / Notified Body 0045

Geltungsbereich der Überprüfung gemäß / Scope of Approval according to

☒ Richtlinie 2014/68/EU, Anhang I, Nummer 4.3 / Directive 2014/68/EU, Annex I, Point 4.3.

☒ AD 2000-Merkblatt W 0 / AD 2000-Merkblatt W 0

Firma / Company: Panchmahal Steel Ltd.

Ort / Location: GIDC Estate, Kalol - 389330

District: Panchmahal, State: Gujarat, India.

Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 1015 20

Zertifikat-Nr. / Certificate No.: 07 203 1409 WP 1015 20

Datum / Date: 12.11.2020

AZ / File No.: ISIPC-1014/20

SAP-No.: 811 878 5014



| Nr. No. | Werkstoffbezeichnung<br>Material designation | Spezifikation<br>Specification | Lieferzustand*<br>Delivery cond.* | Erzeugnisform<br>Product type | Abmessungen<br>Dimensions<br>Dicke<br>Thickness<br>[mm]<br>Ø / Gewicht<br>Ø / Weight<br>[kg] | Prüfgrundlagen<br>Test specifications | Bemerkungen<br>Remarks                                                     |
|---------|----------------------------------------------|--------------------------------|-----------------------------------|-------------------------------|----------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------------|
| 3.1     | 304 / 304L                                   | SA/A 479                       | AT or AR                          | Billet, bars, Wire Rods       | Maximum 90mm Square Billets                                                                  |                                       | If use in area of PED 2014/68/EU a particular Material (PMA) is necessary. |
| 3.2     | 316 / 316L                                   | SA/A 479                       | AT or AR                          | Billet, bars, Wire Rods       | Maximum 140mm x 140mm Billets                                                                |                                       |                                                                            |
| 3.3     | 316Ti                                        | SA/A 479                       | AT or AR                          | Billet, bars, Wire Rods       | Maximum 85mm Bars                                                                            |                                       |                                                                            |
| 3.4     | 321                                          | SA/A 479                       | AT or AR                          | Billet, bars, Wire Rods       |                                                                                              |                                       |                                                                            |
| 4.1     | 304 / 304L                                   | SA/A 276                       | AT or AR                          | Billet, bars, Wire Rods       | Maximum 90mm Square Billets                                                                  |                                       |                                                                            |
| 4.2     | 316 / 316L                                   | SA/A 276                       | AT or AR                          | Billet, bars, Wire Rods       | Maximum 140mm x 140mm Billets                                                                |                                       |                                                                            |
| 4.3     | 316Ti                                        | SA/A 276                       | AT or AR                          | Billet, bars, Wire Rods       | Maximum 85mm Bars                                                                            |                                       |                                                                            |
| 4.4     | 321                                          | SA/A 276                       | AT or AR                          | Billet, bars, Wire Rods       | Maximum 5.50mm to 28.00mm Wire Rod                                                           |                                       |                                                                            |

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