

# CERTIFICATE

**TÜV NORD Systems GmbH & Co. KG**

certifies that the company

**Chandan Steel Ltd.**

**Plot No. 31,34,35,36,45,46 & Survey No. 102/3  
Village Dehri, Ta, Umbergaon, GIDC, Umbergaon  
Dist. Valsad - 396 171, Gujarat, India**

has been verified and recognized as material manufacturer according to

**AD 2000-Merkblatt W0**

**Certificate-No.: 07/203/1409/WP/1394/21**

File No.: 812 021 9803

Production site: **As 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 2024**

Essen, 2021-12-29

Annex: scope of approval

Conventional Power Plants  
AmTÜV 1  
45307 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/1394/21

Name and address  
of the manufacturer: Chandan Steel Ltd.  
Plot No. 31,34,35,36,45,46 & Survey No. 102/3  
Village Dehri, Ta, Umbergaon, GIDC, Umbergaon  
Dist. Valsad – 396 171, 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.:

812 021 9803

Audit report file no.:

811 997 9365

Scope of approval:  
(product / material)

Stainless Steel Billets, RCS, Hot Rolled Bars, Wire Rods,  
Bright Bars, Flat Bars, Angles, Channels & T-Sections

Production site:

Plot No. 31,34,35,36,45,46 & Survey No. 102/3, Village  
Dehri, Ta, Umbergaon, GIDC, Umbergaon, Dist. Valsad –  
396 171, Gujarat, India

The certificate is valid until:

November 2024

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

Essen, 2021-12-29



Notified Body (0045)  
for Pressure Equipment

Niekamp

Annex: Scope of Approval

Conventional Power Plants  
Am TÜV 1  
45307 Essen

Phone 201-825-2722  
Fax 201-825-2858  
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, Point 4.3.

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

Firma / Company: Chandan Steel Limited

Ort / Location: Plot No. 31, 34, 35, 36, 45, 46 & Survey No. 102/3, Umbergaon, Gujarat, India.

Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 1394 21

Zertifikat-Nr. / Certificate No.: 07 203 1409 WP 1394 21

Datum / Date: 29.12.2021

AZ / File No.: ISIPW-160/22

SAP-No.: 812 021 9803

Systems



Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfungsdaten Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
1.1	X2CrNiMoN 22-5-3 1.4462	EN 10272	+AT	Hot Rolled Bars*	25-140		Directive 2014/68/EU	Certified acc. to PED annex I, pt. 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045).
1.2	X2CrNiN 23-4 1.4362	EN 10272	+AT	Bright Bars & Wire Rods	5-130			*Prematerial
1.3	X2CrNiMoN 25-7-4 1.4410	EN 10272	+AT					
2.1	X5CrNi 18-10 1.4301	EN 10272	+AT	Hot Rolled Bars*	25-140		Directive 2014/68/EU	Certified acc. to PED annex I, pt. 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045).
2.2	X2CrNi 18-9 1.4307	EN 10272	+AT	Bright Bars & Wire Rods	5-130		AD 2000 Merkblatt W2 AD 2000 Merkblatt W10	
2.3	X5CrNiMo 17-12-2 1.4401	EN 10272	+AT	Flat Bars	3-50			
2.4	X2CrNiMo 17-12-2 1.4404	EN 10272	+AT		19.05-150 Width			
2.5	X6CrNiTi 18-10 1.4541	EN 10272	+AT					
2.6	X6CrNiMoTi 17-12-2 1.4571	EN 10272	+AT					
2.7	X2CrNi 19-11 1.4306	EN 10272	+AT					
2.8	X2CrNiMo 17-12-3 1.4432	EN 10272	+AT					

\* +AT = Lösungsgelüht / 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)

# TÜV NORD Systems GmbH & Co. KG



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: Chandan Steel Limited

Ort / Location: Plot No. 31, 34, 35, 36, 45, 46 & Survey No. 102/3, Umbergaon, Gujarat, India.

Zertifikat-Nr. / Certificate No.: bodj072021409 WZ 1394 21

Zertifikat-Nr. / Certificate No.: 072031409 WP 1394 21

Datum / Date: 29.12.2021

AZ / File No.: ISIPW-160/22

SAP-No.: 812 021 9803



Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
2.9	X2CrNiMo 18-14-3 1.4435	EN 10272	+AT	Hot Rolled Bars*	25-140		Directive 2014/68/EU AD 2000 Merkblatt W2 AD 2000 Merkblatt W10	
2.10	X3CrNiMo 17-13-3 1.4436	EN 10272	+AT	Bright Bars & Wire Rods	5-130			
2.11	X6CrNiNb 18-10 1.4550	EN 10272	+AT	Flat Bars	3-50			
2.12	X2CrNiMoN 17-13-3 1.4429	EN 10272	+AT		19.05-150 Width			
2.13	X6CrNi 18-10 1.4948	EN 10269	+AT	Hot Rolled Bars*	25-140		Directive 2014/68/EU AD 2000 Merkblatt W2	
3.1	X8CrNi25-21 1.4845	EN 10095	+AT	Bright Bars & Wire Rods	5-130			
3.2	X6CrNi 18-10 1.4948	EN 10269	1U/1C	Hot Rolled Bars*	25-140			If use in area of AD2000 or PED 2014/68/EU an Particulare Material Appraisal (PMA) is necessary
3.3	X8CrNi25-21 1.4845	EN 10095	1U/1C	Bright Bars & Wire Rods	5-130			*Prematerial

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# TÜV NORD Systems GmbH & Co. KG



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: Chandan Steel Limited

Ort / Location: Plot No. 31, 34, 35, 36, 45, 46 & Survey No. 102/3, Umbergaon, Gujarat, India.

Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 1394 21

Zertifikat-Nr. / Certificate No.: 07 202 1409 WP 1394 21

Datum / Date: 29.12.2021

AZ / File No.: ISIPW-160/22

SAP-No.: 812 021 9803



Niekamp

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfungslagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
3.4	X5CrNi 18-10 1.4301	EN 10088-3	1U/1C	ngot/Billets*	100x100 to 200 x 200			If use in area of AD2000 or PED 2014/68/EU an Particulare Material Appraisal (PMA) is necessary  *Prematerial
3.5	X2CrNi 18-9 1.4307	EN 10088-3	1U/1C	RCS*	40 -100			
3.6	X5CrNiMo 17-12-2 1.4401	EN 10088-3	1U/1C	Angles, Tees & Channels	3-12.7			
3.7	X2CrNiMo 17-12-2 1.4404	EN 10088-3	1U/1C					
3.8	X6CrNiTi 18-10 1.4541	EN 10088-3	1U/1C					
3.9	X6CrNiMoTi 17-12-2 1.4571	EN 10088-3	1U/1C					
3.10	X2CrNi 19-11 1.4306	EN 10088-3	1U/1C					
3.11	X2CrNiMo 17-12-3 1.4432	EN 10088-3	1U/1C					
3.12	X2CrNiMo 18-14-3 1.4435	EN 10088-3	1U/1C					
3.13	X3CrNiMo 17-13-3 1.4436	EN 10088-3	1U/1C					
3.14	X6CrNiNb 18-10 1.4550	EN 10088-3	1U/1C					
3.15	X2CrNiMoN 17-13-3 1.4429	EN 10088-3	1U/1C					
3.16	X2CrNiMoN 22-5-3 1.4462	EN 10088-3	1U/1C					

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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: Chandan Steel Limited

Ort / Location: Plot No. 31, 34, 35, 36, 45, 46 & Survey No. 102/3, Umbergaon, Gujarat, India.

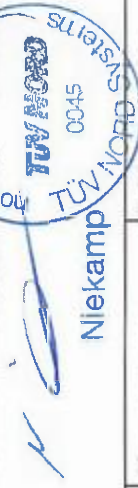
Zertifikat-Nr. / Certificate No. 07-202 1409 WZ 1394 21

Zertifikat-Nr. / Certificate No. 07-203 1409 WP 1394 21

Datum / Date: 29.12.2021

AZ / File No.: ISIPW-160/22

SAP-No.: 812 021 9803



Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfgrundlagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
3.17	X2CrNiN 23-4 1.4362	EN 10088-3	1U/1C	Ingots/Billets*	100x100 to 200 x 200			If use in area of AD2000 or PED 2014/68/EU an Particulare Material Appraisal (PMA) is necessary
3.18	X2CrNiMoN 25-7-4 1.4410	EN 10088-3	1U/1C	RCS*	40-100			
3.19	Type 304	ASTM A479/ ASME SA479/	AS CAST	Ingots/Billets*	100x100 to 200 x 200			*Prematerial
3.20	Type 304L	ASTM A276/ ASME SA276	As Rolled (U)	RCS	40-100			
3.21	Type 310S			Hot Rolled Bars*	25-140			
3.22	Type 316		+AT	Bright Bars & Wire Rods	5-130			
3.23	Type 316L		+AT	Flat Bars	3-50 lWidth			
3.24	Type 316Ti				19.05 - 150			
3.25	Type 321		+AT	Angle, Tees & Channels	3-12.7 Width			
3.26	Type 347				19.05-152.4			
3.27	UNS S31803							

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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: Chandan Steel Limited

Ort / Location: Plot No. 31, 34, 35, 36, 45, 46 & Survey No. 102/3, Umbergaon, Gujarat, India.

Zertifikat-Nr. / Certificate No.: 07 202 1409 WZ 1394 21

Zertifikat-Nr. / Certificate No.: 07 203 1409 WP 1394 21

Datum / Date: 29.12.2021

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Niekamp

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions		Prüfungslagen Test specifications	Bemerkungen Remarks
					Dicke Thickness [mm]	Ø / Gewicht Ø / Weight [kg]		
3.28	Type 304H	ASTM A479/ ASME SA479	AS CAST	Ingots/Billets*	100x100 to 200 x 200			If use in area of AD2000 or PED 2014/68/EU an Particulare Material Appraisal (PMA) is necessary  *Prematerial
3.29	Type 316H		As rolled(U)	RCS	40 -100			
3.30	Type 321H			Hot Rolled Bars*	25-140			
3.31	Type 347H		+AT	Bright Bars & Wire Rods	5-130			
3.32	Type 904L		+AT	Flat Bars	3-50			
3.33	UNS S32205				!Width 19.05 - 150			
3.34	UNS S32750		+AT	Angle, Tees & Channels	3-12.7			
3.35	Type 310	ASTM A276/ ASME SA276			!Width 19.05-152.4			
3.36	UNS S32304							
3.37	F 51	ASTM A182 ASME SA182						
3.38	F 53							
3.39	F 60							

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