

CERTIFICATE

TÜV NORD Systems GmbH & Co. KG

certifies that the company

ARIHANT TECHNOCAST INDIA PRIVATE LIMITED

S.F. No. 554/1, 557, Swaminathapuram Road

Vadavalli Village, Periyaputhur, Annur Taluk

Coimbatore - 641 697, Tamilnadu, India

has been verified and recognized as material manufacturer according to

AD 2000-Merkblatt W0

Certificate-No.: 07/203/1409/WP/2251/21

File No.: 811 918 7499

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

March 2024

Essen, 2021-02-24

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/2251/21

**Name and address
of the manufacturer:**

**ARIHANT TECHNOCAST INDIA PRIVATE LIMITED
S.F. No. 554/1, 557, Swaminathapuram Road
Vadavalli Village, Periyaputhur, Annur Taluk
Coimbatore – 641 697, Tamilnadu, 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.:

811 918 7499

Audit report file no.:

811 896 3508

Scope of approval:
(product / material)

**Manufacture and Supply of Steel Castings for Pressure
Purposes**

Production site:

**S.F. No. 554/1, 557, Swaminathapuram Road, Vadavalli
Village, Periyaputhur, Annur Taluk, Coimbatore – 641 697,
Tamilnadu, India**

The certificate is valid until:

March 2024

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

Essen, 2021-02-24

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

Notified Body (0045)
for Pressure Equipment



Niekamp

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

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: ARIHANT TECHNOCAST INDIA PRIVATE LIMITED

Ort / Location: F.NO.554/1,557, SWAMINATHAPURAM ROAD, VADAVALLI VILLAGE, PERIYAPUTHUR, ANNUR TALUK, COIMBATORE - 641 697, TAMILNADU, INDIA.

Zertifikat-Nr. / Certificate No.: 07-202 1409 WZ 2251 21
Zertifikat-Nr. / Certificate No.: TÜV NORD 07203 1409 WP 2251 21

Datum / Date: 24.02.2021

AZ / File No.: ISIPW-326/21
SAP-No.: 811 918 7499

Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzu- stand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Wanddicke Thickness [mm]	Ø/Gewicht Ø / Weight [kg]	Prüfgrundlagen Techn. requirements	Bemerkungen Remarks
1.1	GP280GH(1.0625)	EN10213	N + QT	Steel valve castings for pressure purpose	≤ 100	2500	Directive 2014/68/EU	Certified according to PED annex 1, section 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045).
1.2	GX2CrNiMo19-11-2 - (1.4409)	EN10213	+AT	Steel valve castings for pressure purpose	≤ 150	2500	Directive 2014/68/EU	
1.3	GX2CrNiMo26-7 4e(1.4469)	EN10213	+AT	Steel valve castings for pressure purpose	≤ 150	2500	Directive 2014/68/EU	
1.4	GX2CrNi19-11 (1.4309)	EN10213	+AT	Steel valve castings for pressure purpose	≤ 150	2500	Directive 2014/68/EU	
1.5	GX15CrMo5 (1.7365)	EN10213	+QT	Steel valve castings for pressure purpose	≤ 150	2500	Directive 2014/68/EU	
2.1	GP240GH (1.0619) *1	EN10213	N	Steel valve castings for pressure purpose	≤ 100	2500	Directive 2014/68/EU AD2000 W5	Certified according to PED annex 1, section 4.3 by the Notified Body of TÜV NORD Systems (Reg. no. 0045). Production or Repair Welding during Manufacturing Process in Area of AD 2000 W5 are Approved for WPS.
2.2	GX5CrNi19-10 (1.4308) *2, *3	EN 10213	+AT	Steel valve castings for pressure purpose	≤ 150	2500	Directive 2014/68/EU AD 2000 W5	ATPL/ENWPS/04.05.06 and 07/2020
2.3	GX5CrNiMo 19-11-2 (1.4408) *2, *3	EN 10213	N + QT	Steel valve castings for pressure purpose	≤ 150	2500	Directive 2014/68/EU AD 2000 W5, W10	Note: *1. With Inspection Certificate 3.2 in acco with EN 10204 for AD 2000 W5 for production weight above 500 kg
2.4	G20Mn5 (1.6220) *3	EN10213	+NT	Steel valve castings for pressure purpose	≤ 150	2500	Directive 2014/68/EU, AD 2000 W5	*2. With Inspection Certificate 3.2 in according to EN 10204 for AD 2000 W5 for Production weight above 200 Kg *3. With Inspection certificate 3.2 in according to EN10204 for AD 2000 W10

Fußnoten / Footnotes:

* +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 mechanicalformed, +AR = wie gewalzt / as rolled, +SR = spannungsarmgeglüht / stress relieved, +A = weichgeglüht / soft annealed, +CR = kaltgewalzt / cold rolled, +P = Ausscheidungsgehartet / precipitation hardened, +T = Angelassen / tempered

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

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Niekamp

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Nr. No.	Werkstoffbezeichnung Material designation	Spezifikation Specification	Lieferzustand* Delivery cond.*	Erzeugnisform Product type	Abmessungen Dimensions Wanddicke Thickness [mm]	Ø/Gewicht Ø / Weight [kg]	Prüfgrundlagen Techn. requirements	Bemerkungen Remarks
3.1	LCC	ASTM A 352	+QT	Steel valve castings for pressure purpose.		2500		If use in the area of PED/68/EU a Particular material appraisal (PMA) is necessary
3.2	LCB	ASTM A 352	+QT	Steel valve castings for pressure purpose.		2500		
3.3	CF8M	ASTM A 351	+AT	Steel valve castings for pressure purpose.		2500		
3.4	CF8	ASTMA351	+AT	Steel valve castings for pressure purpose.		2500		
3.5	CF3M	ASTMA351	+AT	Steel valve castings for pressure purpose.		2500		
3.6	CF3	ASTMA351	+AT	Steel valve castings for pressure purpose.		2500		
3.7	C5	ASTMA217	+NT,+QT	Steel valve castings for pressure purpose.		2500		
3.8	5A	ASTMA890/A995	+AT	Steel valve castings for pressure purpose.		2500		
3.9	WCB	ASTM A216	+N	Steel valve castings for pressure purpose.		2500		
3.10	WCC	ASTM A216	+N	Steel valve castings for pressure purpose.		2500		

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