



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM0000204
Revision No:
3

This is to certify:

That

Vulkan Technologies Pvt. Limited

**Gat No 539-B, Kasar Amboli, Tal. Mulshi, Dist. Pune – 412 115 Maharashtra,
India**

is an approved manufacturer of
Iron Castings

in accordance with

DNV rules for classification – Ships

DNV class programme – DNV-CP-0249 Iron castings

and the following particulars:

Iron type(s)	Nodular cast iron Austenitic cast iron
Max. weight	See page 2
Max. wall thickness	200 mm
Heat treatment condition	See page 2
Remarks	See page 2

Manufacturer(s) approved by this certificate is/are accepted to deliver according to DNV GL, DNV and GL rules.
Materials to be applied to DNV classed object shall fulfill the material requirements in the applicable DNV class rules.

Issued at **Hamburg** on **2024-09-17**

This Certificate is valid until **2027-09-02**.

DNV local unit: **India CMC MES**

Approval Engineer: **Andrzej Otrebski**



for **DNV**

This document has been digitally signed and will
therefore not have handwritten signature

Christian Wildhagen

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Form code: AM 311

Revision: 2022-12

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Page 1 of 2

Particulars of the approval

Cast iron

Iron type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Nodular	NV NCI400	SC	350	200	AC
	NV NCI600-3	SC	350	200	AC
	NV NCI700	SC	350	200	AC
	EN-GJS-400-15 acc. EN 1563	SC	350	200	AC
	EN-GJS-450-10 acc. EN 1563	SC	350	200	AC
	EN-GJS-600-3 acc. EN 1563	SC	350	200	AC
	EN-GJS-700-2 acc. EN 1563	SC	350	200	AC
Austenitic	EN-GJSA-XNi35 acc. EN 13835 ⁴⁾	SC	140	70	AC

Remarks:

- ¹⁾ SC: Sand casting
- ²⁾ AC: As cast
- ³⁾ Incl. equivalent grades in acc. to other standards
- ⁴⁾ Possible application and certification of any material to classed object is subject to case by case approval