



APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM00001NU
Revision No:
2

This is to certify:

That

Gujarat Intrux Ltd.

**SURVEY NO.84/P, 17 km, RAJKOT-GONDAL HIGHWAY,
SHAPAR-360024, RAJKOT, GUJARAT,
India**

is an approved manufacturer of
Steel Castings

in accordance with
DNV GL rules for classification – Ships

and the following particulars:

Application area	Castings for boilers, pressure vessels and piping systems,
Steel type	Stainless steel castings
Steel type	Carbon and carbon-manganese,
Casting method	Austenitic stainless
Max. weight	Sand casting
Max. wall thickness	See page 2
Heat treatment condition	See page 2
Additional approval conditions	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 **2021-03-22**

This Certificate is valid until **2024-03-31**.

DNV local station: **Mumbai NB & CMC**

Approval Engineer: **Christian Wildhagen**



for **DNV**

Digitally Signed By: **Roehr, Stefan**

Location: **DNV GL Hamburg, Germany**

Signing Date: **22.03.2021**, on behalf of

Thorsten Lohmann
Head of Section

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: **2021-03**

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Particulars of the approval

Castings for boilers, pressure vessels and piping systems

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
C and C-Mn	VL C450H, VL C490H	SC	1 200	120	N, NT, QT

Stainless steel castings

Steel type	Grade ³⁾	Casting method ¹⁾	Max. weight [kg]	Max. wall thickness [mm]	Heat treatment condition ²⁾
Austenitic	GX 2 CrNi 18 10 (304L) GX 5 CrNi 19 9 (304) GX 6 CrNiNb 19 10 (347) GX 2 CrNiMo 19 11 2 (316L) GX 5 CrNiMo 19 11 2 (316) GX 5 CrNiMo 19 11 3 (317)	SC	1 200	120	SHT

Remarks:

- ¹⁾ SC: Sand Casting
- ²⁾ SHT: Solution Heat Treated (Solution Annealing)
N: Normalized
QT: Quenched and tempered
NT: Normalized and tempered
- ³⁾ Incl. equivalent grades in acc. to other standards

Additional approval conditions

Including castings for low temperature service