APPROVAL OF MANUFACTURER CERTIFICATE

Certificate No:
AMMM000011Z
Revision No:
3

This is to certify:

That

ARCELORMITTAL PECEM S.A.
Rodovia CE 155, S/N,
km 11,5 - São Gonçalo do Amarante/CE,
Brazil

is an approved manufacturer of
Steelmaking

in accordance with
DNV rules for classification – Ships
DNV class programme – DNV-CP-0242 Semi-finished steel products

and the following particulars:

Application area	**Steelmaking**
Products	**Semi-finished products for rolling or forging stock (slabs)**
Steel type	**Carbon and carbon-manganese**
Manufacturing method	**Basic Oxygen Converter, Continuous Casting**
Deoxidation	**Killed**
Max. thickness	**See page 2**
Heat treatment condition	**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 **2023-10-05**

This Certificate is valid until **2025-12-31**.
DNV local unit: **Rio de Janeiro, CMC**

Approval Engineer: **Stefan Röhr**

for **DNV**

Digitally Signed By: Wildhagen, Christian
Location: DNV Hamburg, Germany
Signing Date: 06.10.2023, 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.

Particulars of the approval

Semi-finished products

Steel type	Product	Steel making [1)]	Fine grain elements	Max. thickness [mm]	Heat treatment condition [2)]
C and C-Mn	Slab	BOC, CC	Al, Al+Nb+Ti	300	AC

Remarks:

1) BOC: Basic Oxygen Converter
CC: Continuous Casting
2) AC: As cast