



Approval No. ST277CF

Certificate No. TA211247E

APPROVAL OF MANUFACTURING PROCESS

This is to certify that

SeAH Changwon Integrated Special Steel Corporation
147, Jeokhyeon-ro, Seongsan-gu, Chang-Won-si, Gyeongsangnam-do, Korea

has been approved for the manufacturing process of undermentioned materials by the NIPPON KAIJI KYOKAI in accordance with the requirements of 1.2, Part K of the Society's "Rules for the Survey and Construction of Steel Ships" and Chapter 3, Part 1 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

MATERIALS : Carbon Steels
Low-Alloy Steels
Stainless Steels

PROCESS : Ingot Casting / Forging / Heat Treatment

REMARKS : Including Semi-built-up Crankshafts by Bend Forging and Die Forging respectively specified in 6.1.13-2, Chapter 6, Part K of the NK Rules (Only for Carbon Steels).

The products for the ships classed with the Society are to be manufactured, tested and inspected in compliance with the Rules.

This certificate is valid from 17 August 2021 until 16 August 2026.

Issued at Tokyo on 16 November 2021.



[Signature]

Y. Takao
General Manager
Material and Equipment Department

