



Approval No. ST43RO

Certificate No. TA2451E

APPROVAL OF MANUFACTURING PROCESS

This is to certify that

SeAH Besteel Corporation
522 OEHANG-RO, GUNSAN-SI JEOLLABUK-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 1, Part 1 of the Society's "Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use".

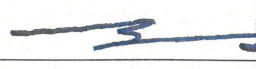
MATERIALS : Round Bars for Chains
 Rolled Steel Bars for Machine Structures

The details of the relevant approval conditions are given in the PARTICULARS OF APPROVAL listed in the reverse of this certificate.

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 16 January 2024 until 30 June 2028.

Issued at Tokyo on 16 January 2024.




Y. Takao
 General Manager
 Material and Equipment Department



Note: This certificate was rewritten to comply with 2023 Part K of the NK Rules.

List of PARTICULARS OF APPROVAL

	Ref. No.	Date		
1.	TA18643E	2	JUL.	2018
2.	TA18644E	2	JUL.	2018
3.	TA2452E	16	JAN.	2024

No. : TA2452E

Date : 16 January 2024

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Steel Bars for Machine Structures

1. Manufacturer : SeAH Besteel Corporation
2. Kind of Product : Round Bars and Square Bars
3. Grades : See Table
4. Max. Dimension : See Table
5. Condition of Supply : QT
6. Steel Making Process : Electric Arc Furnace
7. Casting Process : See Table

Table Part of Approval Conditions

Grades	Casting Process	Max. Dimension (mm)
KSFR600-M, KSFR600-H	Continuous Casting	ϕ 300
		300 × 300 (Thickness × Width)
	Ingot Casting	ϕ 200
KSFAR800-M, KSFAR900-M	Continuous Casting	ϕ 300
		300 × 300 (Thickness × Width)
	Ingot Casting	ϕ 200



Y. Takao

General Manager

Material and Equipment Department

