



Approval No. ST118RO

Certificate No. TA15174E

APPROVAL OF MANUFACTURING PROCESS

This is to certify that

**Dragon Steel Corporation
Taichung, Taiwan**

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 : Rolled Steels for Hull

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 until 21 January 2020.

Issued at Tokyo on the 24 February, 2015.

Renewal Date : 22 January 2015


T Imamura
General Manager

Material and Equipment Department

No. : TA15175E

Date : 24 February 2015

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Steels for Hull

1. Manufacturer : Dragon Steel Corporation
2. Kind of Product : Shapes
3. Grade : KA36 and KD36
4. Deoxidation Practice : Fine-grained Killed
5. Grain Refining Elements : Nb
6. Max. Thickness : 26mm
7. Condition of supply : CR
8. Steel Making Process : Electric Arc Furnace
9. Casting Process : Continuous Casting




T. Imamura
General Manager

Material and Equipment Department

No. : TA15176E

Date : 24 February 2015

PARTICULARS OF APPROVAL

Approval Conditions for Manufacturing Process of Rolled Steels for Hull

1. Manufacturer : Dragon Steel Corporation
2. Kind of Product : Billets
3. Grade : Normal Strength Steel and
Higher Strength Steel
5. Deoxidation Practice : See Table.
5. Grain Refining Elements : See Table.
6. Max. Thickness : 150mm
7. Steel Making Process : Electric Arc Furnace
8. Casting Process : Continuous Casting

Table : Part of Approval Conditions

Grade	Deoxidation Practice	Grain Refining Elements
Normal Strength Steel	Fine-grained killed	Nb
Higher Strength Steel	Fine-grained killed	Nb




T. Imamura

General Manager

Material and Equipment Department