



Indian Register of Shipping

Certificate No.: 2023WAQC025

WORKS APPROVAL CERTIFICATE

This is to certify that based on the existing manufacturing facilities and satisfactory assessment of manufacturing and quality control procedures by our Surveyors, the name of

HINDALCO INDUSTRIES LIMITED,

FRP Plant, Hirakud Main Road, Hirakud, Sambalpur - 768016, Orissa, India

is included in the list of approved works in accordance with the relevant requirements of rule(s)/standard(s)/code described below.

WORKS TYPE	:	MANUFACTURE OF ALUMINIUM AND ALUMINIUM ALLOY PRODUCTS
PRODUCT TYPE	:	Rolled Coils, Plates and Sheets of Aluminium and Aluminium Alloys for Ship Structural Applications (For details, refer Annexure)
APPLICABLE RULE(S)/STANDARD(S)/CODE:	:	Pt.2, Ch.9 of IRS Rules and Regulations for the Construction and Classification of Steel Ships
SCHEDULE OF APPROVAL	:	SEE ANNEXURE I

This Certificate Is Valid until : 03/09/2028

PLACE OF ISSUE: MUMBAI

FOR, INDIAN REGISTER OF SHIPPING

DATE OF ISSUE: 04/09/2023

LOCAL SURVEY OFFICE: KOLKATA



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Sr. Principal Surveyor

This Certificate is issued upon the following terms and conditions as laid down in the Society's Regulations:-

Whilst Indian Register of Shipping, a Classification Society, along with its subsidiaries and associates (hereinafter referred to as the Society) and its Board/Committees use their best endeavors to ensure that the functions of the Society are properly carried out, in providing services, information or advice neither the Society nor any of its servants or agents warrants the accuracy of any information or advice supplied. Except as set out herein neither the Society nor any of its servants or agents (on behalf of each of whom the Society has agreed this clause) shall be liable for any loss damage or expense whatever sustained by any person due to any act or omission or error of whatsoever nature and however caused of the Society, its servants or agents or due to any inaccuracy of whatsoever nature and howsoever caused in any information or advice given in any way whatsoever by or on behalf of the Society, even if held to amount to a breach of warranty. Nevertheless, if any person uses services of the Society, or relies on any information or advice given by or on behalf of the Society and suffers loss damage or expenses thereby which is proved to have been due to any negligent act omission or error of the Society, its servants or agents or any negligent inaccuracy in information or advice given by or on behalf of the Society then the Society will pay compensation to such person for his proved loss up to but not exceeding the amount of the fee charged by the Society for that particular service, information or advice.

Any notice of claim for loss, damage or expense, as referred to above, shall be made in writing to the Society's Head Office within six months of the date when the service, information or advice was first provided, failing which all the rights to any such claim shall be forfeited and the Society shall be relieved and discharged from all liabilities.



ANNEXURE - I
SCHEDULE OF APPROVAL

PRODUCT DESCRIPTION/DETAILS:

Rolled Coils, Plates and Sheets of Aluminium and Aluminium Alloys for Ship Structural Applications

Material: Wrought Aluminium and Aluminium Alloys

Manufacturing Method: Hot Rolled

Product form: Coils, Plates, Sheets

Max. Width of Plates/Sheets: 1550mm

Grades, Temper Condition and Thickness:

5083/5086 - O, H111 and H321 - 3mm to 8mm

REMARKS:

Plates and sheets from coil are manufactured (shearing and dispatch) at following works of Hindalco Industries Ltd.:

a) Belur Works, 39, Grand Trunk Road, PO - Belurmath, Howrah - 711202, West Bengal, India.

b) Plot No.2, MIDC Industrial Area, Taloja AV, Dist. Raigad - 410208, Navi Mumbai, Maharashtra, India.

RESTRICTIONS:

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DOCUMENTATION:

QMS Documentation and Quality Assurance Plan

TEST REPORTS:

Enclosure to Report No. CAL23W001

CONDITIONS OF APPROVAL:

This approval is subject to:

- 1 Approval of works under this scheme does not eliminate normal inspection and testing. Further, when the above grades of alloys are supplied in H321 temper, metallographic examination / corrosion resistance test (where applicable) are to be carried out in accordance with Pt.2, Ch.9, Clause 2.10.3 of our rules to surveyor's satisfaction.
- 2 Identification and marking on the products are to be as per Pt.2, Ch.9, Section 2.17 of our rules.
- 3 Annual audit being carried out by the surveyors of Indian Register of Shipping and Annexure - II of the certificate being duly endorsed.
- 4 Any alteration being made to manufacturing facilities and procedures would require re-assessment of the works for continued approval.
- 5 Testing being carried out at accredited laboratory to surveyor's satisfaction when supplying aluminium plates/sheets/coils to clients.



ANNEXURE – II

Periodical Surveillance Audit Due On : <03 September, 2024 >
<03 September, 2025 >
<03 September, 2026 >
<03 September, 2027 >

The validity of this certificate is renewed on satisfactory completion of periodical surveillance audit in accordance with above schedule

Signature _____

Surveyor's Name _____ *IRS Stamp* _____

Outport _____

Date _____

Signature _____

Surveyor's Name _____ *IRS Stamp* _____

Outport _____

Date _____

Signature _____

Surveyor's Name _____ *IRS Stamp* _____

Outport _____

Date _____

Signature _____

Surveyor's Name _____ *IRS Stamp* _____

Outport _____

Date _____

