



Indian Register of Shipping

Certificate No.: 2022WAQC006

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

Subhadra Metals Pvt. Ltd.,

Plot No. 18, V.I.R.D Complex, At-Post- Lohop, Tal - Khalapur, Dist. Raigad - 410202, Maharashtra, 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 : REPAIR OF PROPELLER BLADES
PRODUCT TYPE : Cu Alloy (Grade CU1 and CU3)
APPLICABLE RULE(S)/STANDARD(S)/CODE : Pt.2, Ch.8 of IRS Rules and Regulations for the Construction and Classification of Steel Ships
SCHEDULE OF APPROVAL : SEE ANNEXURE I

This Certificate Is Valid until : 20/02/2027

PLACE OF ISSUE: MUMBAI

DATE OF ISSUE: 21/02/2022

LOCAL SURVEY OFFICE: MUMBAI

FOR, INDIAN REGISTER OF SHIPPING



.....
Senior 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:

Repair of Propeller Blades - Copper Alloy Propellers of Grades CU1 and CU3

REMARKS:

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RESTRICTIONS:

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DOCUMENTATION:

QMS Documentation and Quality Assurance Plan

TEST REPORTS:

Enclosure to BOM22W006

CONDITIONS OF APPROVAL:

This approval is subject to:

- 1 Weld repair is to be carried out as per approved welding procedure specification using qualified welders and to surveyor's satisfaction.

- 2 The weld repairs are to be carried out only in way of zone B & zone C as defined in Part 2, Chapter 8, Section 3 of "IRS Rules and Regulations for the Construction and Classification of Steel Ships".

- 3 The maximum weld deposition by overlay welding is not to exceed $t/2$ where 't' is the thickness of the blade in zone B or C as applicable.

- 4 Any alteration being made to manufacturing facilities and procedures would require re-assessment of the works for continued approval.

- 5 Approval of works under this scheme will not eliminate normal inspection and testing.

- 6 The repair is to be carried out under supervision / instruction of IRS surveyor.

- 7 Annual audit being carried out by the Surveyors of Indian Register of Shipping and Annexure II of the certificate being duly endorsed.



ANNEXURE – II

Periodical Surveillance Audit Due On : <20 February , 2023 >
 <20 February , 2024 >
 <20 February , 2025 >
 <20 February , 2026 >

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 _____

