



# Indian Register of Shipping

Certificate No.: 2023WAQC017

## 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*

**BHARAT WIRE ROPES LIMITED , ATGAON,**

Plot No. 1&4, Atgaon Industrial Complex, Mumbai-Nashik Highway, Atgaon (East), Taluka - Shahpur, District - Thane - 421601, Maharashtra, India

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

WORKS TYPE	: STEEL WIRE ROPE
PRODUCT TYPE	: Round Type Wire Rope (Fibre & Steel Cored)
APPLICABLE RULE(S)/STANDARD(S)/CODE:	IRS Rules and Regulations for the Construction and Classification of Steel Ships
SCHEDULE OF APPROVAL	: SEE ANNEXURE I

This Certificate Is Valid until : 09/04/2028

PLACE OF ISSUE: MUMBAI

FOR, INDIAN REGISTER OF SHIPPING

DATE OF ISSUE: 18/05/2023

LOCAL SURVEY OFFICE: MUMBAI



Sr. Principal Surveyor

Initial Certificate : 2018WAC022 Date : 18/07/2018

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:

Round Type Wire Rope (Fibre & Steel Cored)  
Diameter: 8mm to 42mm

## REMARKS:

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## RESTRICTIONS:

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## DOCUMENTATION:

QMS documentation and Quality Assurance Plan

## TEST REPORTS:

Enclosure to Report No. BOM23W011

## CONDITIONS OF APPROVAL:

This approval is subject to:

- 1 Steel wire ropes supplied for marine application are to comply with the following:
  - a) Wire used in the manufacture of rope is to be drawn from steel made in accordance with Pt.2, Ch.3 of Rules and Regulations for the Construction and Classification of Steel Ships.
  - b) Wire ropes are to be galvanized.
  - c) Tensile strength is generally to be within the ranges 1420 to 1570 N/mm<sup>2</sup>, 1570 to 1770 N/mm<sup>2</sup> or 1770 to 1960 N/mm<sup>2</sup>.
- 2 Annual audit being carried out by the surveyors of Indian Register of Shipping and Annexure II of the certificate being duly endorsed.
- 3 Approval of works under this scheme does not eliminate normal inspection and testing.
- 4 Testing being carried out at approved test houses to surveyor's satisfaction when supplying steel wire ropes to clients under IRS inspection.
- 5 Any alteration being made to manufacturing facilities and procedures would require re-assessment of the works for continued approval.
- 6 Manufacturing and testing are to be carried out in accordance with following standards:
  - a) IS 1835:1976 – Specification for Round Steel Wire For Ropes
  - b. IS 6594:2018 – Technical Supply Conditions for Steel Wire Ropes and Strands
  - c. IS 2266:2019 – Steel Wire Ropes for General Engineering Purposes – Specification



**ANNEXURE – II**

**Periodical Surveillance Audit Due On :**                    <08 April , 2024 >  
   <08 April , 2025 >  
   <08 April , 2026 >  
   <08 April , 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*                    \_\_\_\_\_

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*Signature*                    \_\_\_\_\_

*Surveyor's Name*                    \_\_\_\_\_ *IRS Stamp*                    \_\_\_\_\_

*Outport*                    \_\_\_\_\_

*Date*                    \_\_\_\_\_

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*Signature*                    \_\_\_\_\_

*Surveyor's Name*                    \_\_\_\_\_ *IRS Stamp*                    \_\_\_\_\_

*Outport*                    \_\_\_\_\_

*Date*                    \_\_\_\_\_

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*Signature*                    \_\_\_\_\_

*Surveyor's Name*                    \_\_\_\_\_ *IRS Stamp*                    \_\_\_\_\_

*Outport*                    \_\_\_\_\_

*Date*                    \_\_\_\_\_

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