



# Indian Register of Shipping

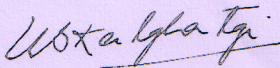
## PROVISIONAL

Place : Mumbai  
Date : 2<sup>nd</sup> June 2015  
Certificate No. : 2015TAC031

## TYPE APPROVAL CERTIFICATE

*This is to certify that the fire fighting delivery hoses (without end fittings) as described below have been included in our list of approved products and considered suitable for use in ships classed or intended to be classed with Indian Register of Shipping.*

- Manufacturer(s)** : **M/s. NEHA-TECH INDUSTRIES**  
Office: 206, 11nd floor, Mangalam Metropolis, Gram  
Sushilpura, Nirmohi Nagar, Ajmer Road, Jaipur – 302 019  
  
Works: G-29, RIICO Industrial Area,  
Bagur Extn., Jaipur – 303 007.
- Product Description** : Non Percolating type flexible fire fighting delivery hose  
(For details, see Annexure)
- Reference Standards** : IRS Rules and Regulations for the Construction and  
Classification of Steel Ships  
IS 636: 1988, “Specification for non-percolating flexible fire  
fighting delivery hose”  
SOLAS Regulation II-2/10.2.3.1.1  
M.S. Fire appliances rules: 1990 (as amended)  
2000 HSC Code 7.7.5.5
- Intended Application** : Fire fighting system installed on board ship
- Conditions of Approval** : See Annexure
- Validity** : This approval is valid till 31<sup>st</sup> May 2016

  
**U. S. KALGHATGI**  
**CHIEF SURVEYOR**

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

"Whilst Indian Register Of Shipping (hereinafter referred to as IRS) and its Board / Committees use their best endeavours to ensure that the functions of IRS are properly carried out, in providing services, information or advice neither IRS nor any of its servants or agents warrants the accuracy of any information or advice supplied. Except as set out herein, neither IRS nor any of its servants or agents (on behalf of each of whom IRS 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 howsoever caused of IRS, 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 IRS, even if held to amount to a breach of warranty. Nevertheless, if any person uses services of IRS, or relies on any information or advice given by or on behalf of IRS and suffers loss damage or expenses thereby which is proved to have been due to any negligent act, omission or error of IRS, its servants or agents or any negligent inaccuracy in information or advice given by or on behalf of IRS, then IRS will pay compensation to such person for his proved loss up to but not exceeding the amount of the fee charged by IRS 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 IRS 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 IRS shall be relieved and discharged from the liabilities".

**ANNEXURE**

**TO CERTIFICATE NO. 2015TAC031 DATED 2<sup>nd</sup> JUNE 2015**

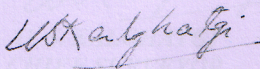
**Product Details**

S.No.	Type of hose as per IS 636	Size (mm)	Brand Name
1.	Type A (with rubber lining)	50	TULSI SILVER
2.	Type A (with rubber lining)	63	TULSI SILVER
3.	Type B (with rubber lining and an outer elastomeric coating)	63	TULSI FIREPROTECT

**Conditions of Approval**

This approval is subject to the following:

- 1) ISO 9001 certificate and license for the fire hoses issued by Bureau of Indian Standards are to remain valid throughout the validity of this certificate.
- 2) Fire hose end fittings are to be of approved type. Each assembled fire hose with approved end fittings is to be tested in accordance with clause 4.1.3 of IS 636:1988 prior to supplying to the end user.
- 3) Acceptance tests are to be conducted on every production batch in accordance with clause 2.2 and 4.1.2 of IS 636:1988 and records for the same are to be maintained.
- 4) Each fire hose is to be clearly marked with the following information: Type of hose, size of hose, length of hose, manufacturer's name or trade mark or both and month & year of manufacture.
- 5) Length of the fire hoses supplied onboard are to be of at least 10 m and not to exceed the following:
  - a. 15 m in machinery spaces
  - b. 20 m in other spaces and open decks
  - c. 25 m for open decks on ships with a maximum breadth in excess of 30 m in accordance with SOLAS Ch.II-2 Regulation 10.2.3.1.1.
- 6) Any change in the material composition or manufacturing process affecting the approval would require reassessment of the works for continued approval.
- 7) Any revision to the applicable IS standard would necessitate testing and re-approval of the above products.

  
**U. S. KALGHATGI**  
**CHIEF SURVEYOR**