



Indian Register of Shipping

CLASS COMPLIANCE CERTIFICATE

PORT : MUMBAI

DATE : 13 Apr 2019

CERTIFICATE NO.: BOM19B001

CONSTRUCTED BY	SHM SHIPCARE
YARD NUMBER	305
TYPE OF THE VESSEL	RESCUE BOAT
LENGTH(OVERALL)	6 m
BREADTH(MOULDED)	2 m
DRAUGHT	0.4 m
CARRYING CAPACITY	6 PERSONS (ALL INCLUSIVE)
DEPTH(MOULDED)	0.9 m
APPLICABLE RULES	

THIS IS TO CERTIFY

The above vessel has been built satisfactorily under our supervision in accordance with the approved/ noted plans (refer annexure 1) and for compliance with the following equivalent notations

SU-, HSLC, RS 2, Rescue

NOTES

- 1 Since the vessel is not under classification; the certificate issued, is valid for the arrangement of the vessel as on the date of issuance of certificate. It is the responsibility of the owner/operator to ensure the maintenance/operations of the vessel as per the design parameters.
- 2 The boat hull is of fibre reinforced plastic (FRP) composite material construction. Inspection of the boat in accordance with IRS endorsed plans & QAP carried out and found satisfactory.
- 3 Type approved resin and glass fibre reinforcements used in the construction of hull and deck of the boat.
- 4 Reviewed the controlled conditions at various stages in which the boat construction carried out and found satisfactory.
- 5 FRP laminate sample prepared by the yard during lamination of the hull was tested in presence of the society's surveyor at NABL accredited testing laboratory with satisfactory results.
- 6 Swamp test conducted in the calm waters was witnessed and the test report has been reviewed & found in order for maximum carriage of 6 persons.
- 7 Water performance trials of the boats conducted by yard, as per trial protocol prepared by the yard in calm water conditions at Vasai creek, Ghodbandar, Thane. Same witnessed and test reports endorsed.
- 8 The boat's outboard engine/s and their accessories have not been built under IRS certification.
- 9 Owner Details (as per information provided by the boat builder):
Savan Traders & Company



(P.T.D)

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 Committees use their best endeavors 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 however 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 all liabilities."



10 Owners are to ensure the following:

- a) The boat is to be registered with national/ state administration as per Govt. of India requirements prior to commencing commercial operations.
- b) The boat is to be manned at all times during its operations by crew having valid certificates of competencies as required by the registering authority.
- c) All persons onboard are required to wear life-jackets during boat operations.
- d) The boat is to be operated within the limiting criteria specified in Annexure-1 to this certificate.



Santosh M Panchal

(Surveyor to Indian Register of Shipping)

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ANNEXURE – 1**LIST OF APPROVED/ REVIEWED/ NOTED DRAWINGS**

Sr. No.	PLAN TITLE	DRAWING NO.	STATUS	Date
1	General Arrangement	SHM/305-001 Rev 0	Noted	15/01/2019
2	Lines plan and offset table	SHM/305-002 Rev 0	Noted	26/12/2018
3	Details of structural profile, bottom, deck and transverse section	SHM/305-101 Rev 0	Approved	27/02/2019
4	Details of Fuel tanks	SHM/305-102 Rev 0	Approved	04/02/2019
5	Sch. Fuel filling, sounding, supply and air vent	SHM/305-201 Rev 0	Approved	08/02/2019
6	Details of deck outfitting	SHM/305-103 Rev 0	Approved	08/03/2019
7	Detail of Buoyancy Distribution	SHM/305-104 Rev 0	Noted	08/03/2019
8	Swamp test procedure	SHM/305-004 Rev 0	Approved	22/02/2019
9	Swamp test report	SHM/305-006 Rev 0	Reviewed	08/04/2019
10	Draught mark	SHM/305-003 Rev 0	Noted	22/02/2019
11	Sch. Bilge Piping System	SHM/305-202 Rev 0	Approved	14/03/2019

The vessel's hull scantling has been examined equivalent to a hull notation SU- HSLC RS2 Rescue.

The scantlings of the vessels have been verified in association with the following limiting criteria:

Max. Speed	12 Knots
Length at waterline	5.5 m
Breadth at waterline	2.0 m
Displacement	2000 Kgs
Design draft	0.4 m
Depth	0.8 m
Max. Significant wave height	2.00 m
Dead rise angle at LCG	10°
Running trim	3°
acg limit	2g

Combination of speed and significant wave height corresponding to above limiting criteria would be as under:-

V (Knots)	Hs (m)
12	0.8
11	0.9
10	1.0
9	1.5
8	2.0

Any other operating conditions that will cause higher slamming pressure are to be reviewed for structural adequacy. The above limit of design significant wave height is to be clearly displayed at the boat operator console.



S. M. Panwar
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