

29 AUG 1963

Rpt. 1

Port BOMBAY

No. 15875

Date of completing report 15-7-1963

When handed in at Local Office

Received London

Survey held at BOMBAY

First Visit 20-1-61

Last Visit 31-5-63

No. of Visits 94

FIRST ENTRY SHIP REPORT

ON THE SSIMS "VARIDA"

F.E. FROM ACCTS.	29/8/63
F.E. FROM ADMIN/F	5/9/63
PLANS REC'D.	29/8/63
CERTS. REC'D.	29/8/63
TO RPT. DEPT.	5/9/63

853 B

Has Report been sent on (1) Freeboard of Ship? **Attached to this Report** (2) Machinery? **Yes**

(Rpt. C11 & Rpt. C11 (Comp.) are to be forwarded in advance when freeboards are assigned by the Society. In cases where freeboards are assigned by another Authority or when ships are exempt from Load Lines, Rpt. C11 only need be forwarded).

Type of Ship **WATER CARRIER**

Is machinery fitted aft? **Yes**

Length (D 201 of Rules)* **144' - 10"** ✓
 Breadth (D 202 of Rules) **26' - 0"** ✓
 Depth (D 203 of Rules) **12' - 10"** ✓
 Draught (summer moulded) (D 204 of Rules) **10' - 8 3/8"** ✓
 Deck Factor "F" excluding d_t **-**
 " " "F" including d_t **-**
 Gross tonnage **416.31**
 Net tonnage **189.61**
 Official number **-**
 Signal letters **-**

Built at **BOMBAY**
 Launched **25th August 1961** Yard No. **196**
 Builders **MAZAGON DOCK LTD., BOMBAY**
 Owners **INDIAN NAVY**
 Address **GOVERNMENT OF INDIA NAVAL HEADQUARTERS, NEW DELHI.**
 Managers **-**
 Address **-**
 Port of Registry **-**
 Date of last survey in drydock **30th May 1963.**

* In the case of Trawlers see Trawler Rules

GENERAL DECLARATION

Has the ship been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters? **Yes**

Have the scantlings and arrangements of the ship as built been checked by you and found to be in accordance with the approved plans or with equivalent arrangements? **Yes**

Have any modifications and/or additions to the original approved arrangements made during construction, been indicated in ink of a distinctive colour other than red on the approved plans now forwarded, and approved locally as being in accordance with or by standards equivalent to Rule requirements? **Yes**

If separate plans of midship section and profile and decks showing the ship as built are forwarded, have they been checked with the approved arrangements and found in order? **Yes**

Are the materials and workmanship satisfactory? **Yes**

Have the freeboards been satisfactorily marked on the ship's sides and verified? **Yes**

BUILDER'S DECLARATION : To the best of my knowledge the ship has been built in conformity with the Rules, Regulations and requirements of Lloyd's Register of Shipping.

torraanwan

Builder's Signature

FEES, etc.

Special Survey fee **Rs. 7450/-**

Travelling expenses **Rs. 940/-**

Late attendance fees **-**

Fees applied for **23/8/63** Received

Classification Certificate to be sent to **Bombay Office**

Date of issue **29 SEP 1964**

Has an Interim Certificate been issued? **Yes**

This Ship in my opinion is eligible to be classed:-
(Special notations where part of class to be stated)

+ 100A1 "For Indian Coastal Service" with the descriptive notation "Water Carrier".

Subject 15 stream anchor being applied

Signature *T. Winthrop for self and J.E. Radcliffe*
Surveyor(s) to Lloyd's Register of Shipping
T. Winthrop & J.E. Radcliffe.

Committee's Minute **FRIDAY 13 SEP 1963**

Character Assigned **Superior for Compta. (m/sky)**

FRIDAY 21 AUG 1964

+100A1 Water Tanker
Indian Coastal Service,

DS 563
Lact **thawc no. 05. 5.63**

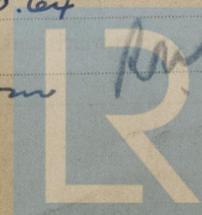
Classed 8.64

Write from

Write from (m)

Noted for Header

Noted for Header



Lloyd's Register Foundation

STEEL

Manufacturer's Name and/or Trade Mark of the steel used in the construction of the ship:—

Plates:— **Hindustan Steel Ltd., The Tata Iron & Steel Co., Ltd., Appleby-Frodingham Steel Co., Phoenix - Rhelnrohr A.G; Jones & Laughlin Steel Corporation; Kawasaki Steel Corporation; The Steel Co. of Wales Ltd; Colvilles Ltd.**

Sections:— **The Tata Iron & Steel Co., Ltd; Skinningrove Iron Co., Ltd., Appleby-Frodingham Steel Co.; The Indian Iron & Steel Co. Ltd.; South Durham Steel & Iron Co. Ltd.; Dorman Long & Co. Ltd.; Colvilles Ltd.**

Has the steel been manufactured at works recognised by the Committee and tested in accordance with the Rules? **Yes**

Process of manufacture (e.g. Open hearth, electric furnace, etc.) **Open Hearth**

Particulars of Special Quality Steel used **None**
(Advice notes to be forwarded separately with plan showing disposition of these plates)

ELECTRIC WELDING

Parts of main structural importance electrically welded **Butts of shell plating, butts and seams of deck and bulkhead plating,**

Bulkhead stiffeners and deck beams to plating, sternframe and rudder.

Parts examined by radiography **None**

Were the electrodes used of types approved by the Committee? **Yes**

FORGINGS, CASTINGS AND FABRICATED PARTS

ITEM	FORGING, CASTING OR FABRICATED (Certificates to be forwarded)	MAKER'S NAME
Stem bar	Rolled M.S. Bar	Messrs. Mazagon Dock Ltd.
Shaft brackets	None	
Sternframe	Fabricated with forged parts	Messrs. Mazagon Dock Ltd., Bombay.
Rudder mainpiece or post	Rudder fabricated with M.S. plates & forged coupling flange and bottom pintle.	Messrs. Mazagon Dock Ltd., Bombay
Rudder head	Forged	Messrs. Dennyson Forge Co. Ltd., Dumbarton.
Quadrant	None	
Tiller	None	

GENERAL PARTICULARS

Steering gear (Type & Maker) **Moving Vane Electric-Hydraulic Messrs. Ban & Montage, GmbH, Hamburg** Auxiliary steering gear **Steering Gear Provided with 2 pumps and motors with independent leads.**

Steering chains (Size & test) **—** Windlass (Type & Maker) **Electric- Messrs. Uttersener Maschinenfabrik Hatlapa, Uttersen**

Ceiling in holds (Material & thickness) **No Holds** Are cargo battens fitted in holds? **—** in 'tween decks? **—**

Parts of bottom plating on which cement or an approved composition is laid (if fitted):— **Bottom in engine room and cofferdams coated with 2 coats of red lead and 2 coats of oil paint. Bottom elsewhere coated with 2 coats of bituminous solution and 2 coats of bituminous enamel.**

Particulars of composition (if any):— **—**

Insulated cargo compartments (if any):— **None**

Parts of structure of material other than steel (if any):— **Wheelhouse and Poop front partly of aluminium alloy.**

If mechanical ventilation is fitted, state in which cargo spaces:— **None**

If cathodic protection is fitted, state in which tanks:— **Only external cathodic protection fitted**

EQUIPMENT

Number **5957.9**

Letter **r** 29 AUG 1963

ANCHORS

Certificate No.	Anchor	Weight of Anchor		Weight of Stock (if any)	Test per Certificate		Rule weight	Description of Anchor	Where and when tested
		C. Qr. Lbs.	Stat. Lbs.		T. C. Qr. Lbs.	C. Qr. Lbs.			
87889	Bower (1)	8	5 21 //	-	11	2 2 0	9 0 0	Brittannic Stockless (Cast Steelhead)	IPH-CH 17-10-60
87890	" (2)	9	0 0	-	11	2 2 0	9 0 0		
	" (3)								
	Coll. wt.	17	3 21	2-2-04			18-0-0		
	Stream	3	1 6	5 16 2			3 1/2 (as stock)		

CHAIN CABLES

Number of Certificate	Supplied		Test per Certificate		Weight of Chain Cable			Rule		Description and Material	Makers of Cable	Where and when tested
	Length	Dia.	Stat.	Bkg.	Supplied	Rule	Length	Dia.				
	Fms. or Ins. or	Tons or Tons or	Cwts.	Qrs.	lbs.	Cwts.	Qrs.	lbs.	Fms. or Ins. or			
11835	75 5/8	1 18.0	27.0	39	2	20	38	2	5	Richard Sykes & Son Ltd.	IPH-CH 21-3-61	
	(includes 4 Joining and 2 end shackles)								165 1			W.I. Stud Link
11849	90 1/2	1 18.0	27.0	47	2	25	46	0	0			
	(includes 5 Joining and 2 end shackles)											
	Stream wire	50	2 1/2	6 x 12	15.2				50 2 1/2			

Are joining shackles of the lugless type fitted? **NO**

TOWLINE AND MOORING ROPES

CAST STEEL ANCHOR HEAD DROP TEST

Item	Supplied		Breaking Test		Rule		Maker's Name	Certificate number	Weight (to include pins, etc.)	Surveyors' Initials	Date of Test
	Length	Circ.	Length	Circ.	Length	Circ.					
							The Washington Steel Foundries Ltd.	5996	C. qr. lbs. 5-1-24	J.M.	19-11-59
							The Washington Steel Foundries Ltd.	6129	5-1-24	J.M.	23-12-59
Towline	80	6 1/4	14.6	80	5 1/2	130					
	(3 Str'd Manila)		(3 Str'd Manila)		(3 Str'd Manila)						
Mooring	180	3 1/2	5.33	180	3 1/2	180					
	(3 Str'd Manila)		(4 Str'd Manila)		(4 Str'd Manila)						
Ropes											

PARTICULARS FOR REGISTER BOOK (feet & inches)

Moulded length (see Key to Register Book) **144'-10"** Moulded breadth **26'-0"** Moulded depth **12'-10"**

Number and material of decks **One Steel**

Length of Poop **45'-10"** R.Q.D. **None** Bridge **None** Fo'cle **20'-6"** Trunk **None**

Overall length **156'-8"** Extreme breadth **26'-1 1/2"** Rise of floor **3"**

Is ship of O.S.D. Type? **No** Is ship of C.S.D. Type? **No** Is duct keel fitted? **No**

Is longitudinal framing fitted? (state where) **No**

Is strengthening for navigation in ice fitted? (state class) **No**

Is additional strengthening for heavy cargoes fitted? **No**

Is the ship (if not a motorship) fitted for the carriage and burning of oil as fuel? **—**

Is the ship (if not an oil tanker) fitted for carrying oil as cargo? **No** and if so state where, together with the flash point where required to be inserted in the notation:—

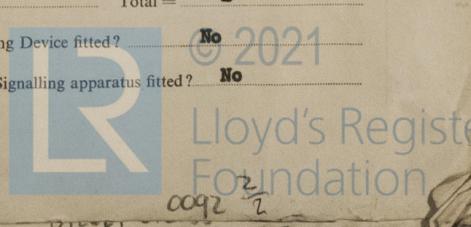
Watertight and/or Oiltight Bulkheads (state number required by Rules) **Three**

Bulkheads in ship extending to Upper deck on frame numbers:— **3, 25, 27, 37, 47, 57, 59, 71** Total = **Eight**

Bulkheads in ship extending to deck below upper deck on frame numbers:— **—** Total = **—**

Is E.S.D. fitted? **No** Is Radar fitted? **No** Is Position Fixing Device fitted? **No**

Is D.F. fitted? **No** Is Gyro Compass fitted? **No** Is Submarine Signalling apparatus fitted? **No**



CAPACITIES OF TANKS (35 c.f. per ton) (Capacity Plan to be forwarded)

(O.F. or F.W. ONLY to be inserted against tanks used exclusively for oil fuel or fresh water)

Double bottom tanks:— No. 1 — No. 2 — No. 3 — No. 4 — No. 5 — No. 6 —
None
 No. 7 — No. 8 — No. 9 — No. 10 — No. 11 — No. 12 —

Fore peak tank **34.35 Tons** ✓ After peak tank **None** ✓ Midship deep tank **None**
 Deep tank aft **None** ^{1/2 wt.} Deep tank fwd. **66.68 Tons** ✓ Topside tanks **None**
 Tanks at sides of tunnel **None** Tanks in way of tunnel **None** Deck tanks **None**
 Side tanks (Fore end of Eng.RM. — O.F. only ✓) (Aft end of Eng.RM. — F.W. only) Wing tanks **None** Other tanks **6 Cargo Tanks — F.W. only**

If ship is an oil tanker state the numbers of main cargo tanks used exclusively for water ballast (if any) with capacities:—

GENERAL REMARKS

Names and yard numbers of sister or similar ships to be stated below. Numbered list of "Approved" and "As Built" plans to be given below or furnished separately (Port, Report Number, Builders' Name and Yard Number, Name of Ship and title of plan in English to be stated on outside of all plans folded to a maximum size of 11" x 9". List of forging, casting or equivalent fabricated parts, certificates to be given below with Certificate number, Port and Date.)

List of Approved Plans:

1. Midship Section ✓
2. Construction Plan (Profile and Decks).
3. W.T. Transverse Bulkheads.
4. O.F. Tank Bulkheads & F.W. Wing Tank Longitudinal Bulkheads.
5. Shell Expansion.
6. Engine Girder.
7. Sternframe.
8. Rudder.
9. Rudder Coupling Flange and Pintle.
10. Arrangements of Steering Gear, Rudder Stock & Rudder, Details of Stuffing Box, Pintle Bearing, Structure in Way Rudder Carrier.
11. Rudder Stock, Trunk and Carrier Seating (Copy of Messrs. Colvilles approved drawing).
12. Sections. ✓
13. Poop bulkheads.
14. Forecastle Bulkheads.
15. Fidley Top, Skylight and Funnel.
16. Wheelhouse, etc.
17. Stern Gear.
18. Stern Boss Tube.
19. Hawse Pipe.

List of "AS BUILT" Plans:-

- Midship Section ✓
- Construction Plan (Profile & Decks).
- Capacity Plan. ✓

List of Certificates:

- Sternframe - Bombay Report 10 Dated 4.8.61. ✓
- Rudder Coupling Flange - Hannover Certificate No.HNO.F.60/243 Dated 24.5.60. ✓
- Rudder Bottom Pintle - Hannover Certificate No. HNO.F.60/261 Dated 29-3-60.
- Rudder Coupling Flange Studs - Glasgow Certificate No.C.80308 dated 30.11.62. ✓
- Rudder Stock - Glasgow Certificate No.C.80272 Dated 28.11.62. ✓
- Rudder Carrier, Stuffing Box & Distance Piece - Newcastle-Upon-Tyne Certificate No.C.76925 Dated 19-11-62. ✓

SPECIAL FEATURES

- Wheelhouse and Poop front structure partly of Aluminium Alloy.
- External cathodic protection fitted.