

## STEEL STEAMER OR MOTORSHIP

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **YES**State if Report is sent on the Machinery of the Vessel **YES**Date of completion of report **16<sup>TH</sup> OCTOBER 1948** Port of **VIZAGAPATAM** No. **28**Survey held at **VIZAGAPATAM** Date First Survey **28<sup>TH</sup> MARCH 1946** Last Survey **15<sup>TH</sup> OCTOBER 1948**On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **SINGLE SCREW STEAMER "JALASHA"**State Type (Full Scantling, Complete Superstructure with or without Pinnace Openings) **FULL SCANTLING** State Type of Erections **POOP, BRIDGE, & F.C.E.**

TONNAGE under Tonnage Deck ... **4648.86** CLASS **100 A.I.** State if with freeboard as condition of Class **No** Built at **VIZAGAPATAM**

Do. of space or spaces between Tonnage Dk. and Upper Dk. **✓** Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) **L 400** Launched **14<sup>TH</sup> MARCH 1948** Yard No. **V.C. 101**

Total **✓** Breadth (greatest moulded) **B 51.75** Builders **THE SCINDIA STEAM NAV. CO. LTD.**

Gross Tonnage **5102.17** Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 30.5** Owners **THE SCINDIA STEAM NAV. CO. LTD.**

Register Tonnage **3015.16** 1st Longitudinal Number (L x D) **12,200** Managers **✓**

REGISTERED DIMENSIONS. FEET 2nd Numeral L x (B + D) **32,900** (Where necessary to be entered in Reg. Book) Residence **SCINDIA HOUSE, BALLARD ESTATE, BOMBAY**

Length **401.15** Framing Depth "d," at middle of length. See Sec. 3 (1d) **18.46** Port of Registry **BOMBAY**

Breadth **52.00** Proportions—Depth to Length—Uppermost continuous deck to top of keel **13.11** If surveyed while building, afloat, or in dry dock

Depth **27.95** Do. Long Bridge to top of keel **10.39** **BUILDING AND AFLOAT. ✓**

Draught Moulded **24.94**

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.....	28 ✓		Bracket Floors, Frame <b>ANGLE E.W. TOE ON</b> <b>5 x 3 x 3/8</b> ✓		
" " from 1/2 length amidships to Collision bulkhead.....	27 ✓		" " Reversed Frame <b>O.A.E.W. TOE ON</b> <b>5 x 3 x 3/16</b> ✓		
" " in peaks.....	24 ✓		" " Vertical Struts <b>L</b> <b>10 x 3 1/2 x 3 1/2 x 36 x 56</b> ✓		
SIDE FRAMING.			Centre Girder, depth and thickness amidships <b>42 1/2 x 51</b> ✓		
Frame Amidships, Angle, <b>E or F</b> <b>T</b> <b>7 1/2 x 6 x 42 x 75</b> ✓			" " top Angles <b>3 1/2 x 3 1/2 x 7/16</b> ✓		
" " Extends up to..... <b>SECOND DECK</b> ✓			" " bottom Angles..... <b>4 x 4 x 50</b> ✓		
<del>Reversed Frame Amidships, Angle</del> .....			Side Girders, No. each side and thickness..... <b>1 @ 39</b> ✓		
" " Extends up to..... ✓			Margin Plate depth (excl. of flange) and thickness..... <b>37 x 50</b> ✓		
Depth of Framing Girder..... <b>7 1/2</b> ✓			" " Vertical Angle to Tank side <b>3 1/2 x 3 1/2 x 7/16</b> ✓		
Frames in Uppermost Continuous 'tween Decks, Angle, <b>E or F</b> <b>E.W. TOE ON</b> <b>6 x 3 x 38</b> ✓			" " Bracket abaft 1/2 len. from stem <b>DEEP FRAMING</b> ..... <b>6 x 6 x 7/16</b> ✓		
" " Second 'tween Decks, Angle, <b>E or F</b> ✓			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area <b>EVERY FRAME</b> ✓		
" " Third..... ✓			" " Gussets, spacing and scantling abaft 1/2 len. from stem..... <b>6-7/8 R</b> ✓		
" " from 1/2 len. for'd. to 15% len. from Stem <b>T. BAR</b> <b>10 x 7 1/2 x 625 x 984</b> <b>APPROVED</b> <b>6 x 3 x 50</b> ✓			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area..... <b>7-7/8 R</b> ✓		
" " in Peaks, Angle <b>E or F</b> <b>E.W. TOE ON</b> <b>AP</b> <b>6 x 4 x 50</b> <b>6 x 3 x 50</b> ✓			Tank Side Brackets, height above base line at toe of Frame and thickness <b>64 1/4 @ 41</b> ✓		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships..... <b>E.W.</b> ✓			INNER BOTTOM PLATING.		
State if Frame Joggled..... <b>YES</b> ✓			Breadth and thickness of Middle Line Strake... <b>70 x 48</b> ✓		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?..... <b>YES</b> ✓			Thickness of remainder in Holds..... <b>42</b> ✓		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?..... <b>YES</b> ✓			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?..... <b>YES</b> ✓		
SINGLE BOTTOM.			BEAMS. Accepted by Mr. Munro <b>REV. EVERY 4<sup>TH</sup> BEAM CENTRE SPAN</b> ✓		
Floors, Depth and thickness at mid-line in Holds.....			Uppermost Continuous Deck, amidships in Wells, Angle, <b>E or F</b> ..... <b>7 x 3 1/2 x 59</b> ✓		
Height of Brackets at side above base line at toe of frame.....			" " in way of Bridge, Angle, <b>E or F</b> ..... <b>7 x 3 1/2 x 59</b> ✓		
Middle Line Keelson, on Floors, Angles, <b>E or F</b> .....			Spacing..... <b>28</b> ✓		
" " Through Plate or Inter-costal Plate.....			Accepted by Mr. Munro <b>3 1/2 x 3 1/2 x 50 ANGLE REV. EVERY 4<sup>TH</sup> BEAM CENTRE SPAN</b> ✓		
" " Foundation Plate on Floors.....			Second Deck, amidships, Angle, <b>E or F</b> ..... <b>7 x 3 1/2 x 59</b> ✓		
" " Flat Plate Keel Angles.....			Spacing..... <b>28</b> ✓		
Side Keelsons, No. each side.....			<del>Third Deck, amidships, Angle, <b>E or F</b>.....</del> ✓		
" " thickness of Inter-costal Plate... <b>39 EVERY 3<sup>RD</sup> OR 4<sup>TH</sup></b> ✓			<del>Spacing.....</del> ✓		
" " Angles.....			<del>Fourth Deck, amidships, Angle, <b>E or F</b>.....</del> ✓		
DOUBLE BOTTOM.			<del>Spacing.....</del> ✓		
Solid Floors, thickness and spacing..... <b>FRAME ONLY JOGGLED</b> ✓			<del>FL. PLATE E.W. <b>7 x 4 x 50</b></del> ✓		
" " Are Frame and Reversed Frame joggled?.....			Poop Deck, Angle, <b>E or F</b> <b>E.W. TOE ON</b> <b>6 x 4 x 50</b> ✓		
Bracket Floors, breadth and thickness at middle line..... <b>32 x 39</b> ✓			Spacing..... <b>48 &amp; 56</b> ✓		
" " breadth and thickness at margin plate..... <b>32 x 39</b> ✓			Bridge Deck, Angle, <b>E or F</b> ..... <b>7 x 3 1/2 x 38</b> ✓		
			Spacing..... <b>28</b> ✓		
			<del>FL. PLATE E.W. <b>7 x 4 x 52</b></del> ✓		
			Forecastle Deck, Angle, <b>E or F</b> <b>E.W. TOE ON</b> <b>6 x 4 x 50</b> ✓		
			Spacing..... <b>48 &amp; 54</b> ✓		



PILLARS AND DECKS.			
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.
PILLARS, No. of Rows	TWO ROWS		
in 'tween Decks, Size and Spacing	OF WIDELY SPACED PILLARS WITH FLANGED PLATE GIRDERS AND TUBULAR PILLARS IN HOLDS		
Stringers and Decks.			
Uppermost Continuous Deck			
Stringer Plate, breadth and thickness in Wells	56 x 87		
Stringer Plate, breadth and thickness in way of Bridge	56 x 38		
Angle in Wells	6 x 6 x 75		
Thickness of Plating abreast Deck openings in way of Wells	58		
Thickness of Plating abreast Deck openings in way of Bridge	40		
Thickness of Plating within line of openings	42		
If Sheathed, material and thickness	2" COMPOSITION IN POOP SPACE		
Second Deck.			
Stringer Plate, breadth and thickness in Wells	70 x 37		

SHELL PLATING.			
SCANTLINGS.			
AS IN VESSEL.			
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.			
STRAKES.			
AMIDSHIPS.			
FORWARD.			
AFT.			
Breadth.			
Thickness.			
Inches.			
Flat Plate Keel	49	78	68
Dbg. (if any)	3 STRAKES BOTTOM PLTG. INCREASED TO .66 FROM 1/2 LENGTH FORD TO COLLISION BND.		
Bottom Plating, No. of Strakes	FOUR	.60	.46
Bilge Plating, No. of Strakes	ONE	.60	.46
Side Plating, No. of Strakes	THREE	.60	.44
Upper Deck, Sheer-strake in Wells	73	.84	.54
Upper Deck, Sheer-strake in Bridge		.60	
Strake below Sheer-strake in Wells	73	.70	.44
Strake below Sheer-strake in Bridge		.60	
Poop Side Plating		.63	.38
Bridge Side Plating		.58	
Forecastle Side Plating		.40	

WATERTIGHT BULKHEADS.			
Total No. of W.T. BULKHEADS in Vessel	6		
Extending to Upper Deck (Sec. 3 c)	6		
Deck next below			
As per Rule	6		

FORGINGS AND CASTINGS.			
Casting or Forging.			
Scantlings.			
Maker's Name.			
Any Departure from Approved Plans to be Noted.			
KEEL, Bar	FLAT PLATE KEEL		
STEM CMT. FROM PLATE	ROLLED 9/2x2 1/2 TATA'S		
STERN FRAME	Propeller Post	CASTING 10 x 14 OF SCOTLAND	
Rudder	CASTING 10 1/2 (32-18)		
Speed of Vessel	10 1/2 KNOTS		
RUDDER-Type	DOUBLE PLATE STREAMLINED		
A x D	6 7/8 DENISTON		
Diam. of head	FORGED STEEL 12 FORGE		
Mainpiece at top pintle	STEEL CASTING 11/2 x 11		
heel	6 1/2 x 11		
how constructed	COMPLETE CAST STEEL FRAME		
double or single plate coupling, vertical or horizontal	46 DOUBLE PLATES		
VERTICAL COUPLING			

STIFFENERS.			
VERTICAL.			
HORIZONTAL.			
Scantlings.			
Spacing.			
Scantlings.			
Spacing.			
MIDSHIP BULKH'D, Upper 'tween decks	86-88	26	5 x 3/8 FLAT EN.
Second			
Third			
Holds	46-28	29	7 x 6 x 138 x 655 T E.W.
COLLISION (in Hold)	51-30	24	6 x 3 x 38 0A
AFTER PEAK	50-30	24	6 x 3/8 FLATS E.W.

STEEL.			
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) (OPEN HEARTH)			
TATA IRON & STEEL CO. LTD., BENGAL STEEL CORPORATION.			
Has the Steel been tested as required by the Rules?			
YES			

EQUIPMENT No. 34726			
LETTER			
ANCHORS.			
Number of Certificate.	50817	1st Bower	50812
Weight, Ex. Stock.	64	2nd	50759
Weight of Stock.	64	3rd	30031
Test, Per Certificate.	50	Stream	
Weight Required by Table 53.	60		
Description of Anchor.	BYER'S IMPROVED TYPE		
Makers.	CAST STEEL HEAD		
Where and when tested, and Superintendent.	SUNDERLAND 30-4-47		
Length and size supplied.	15 1/2		
Breaking Test of Steel Wire.	945		
Length and size supplied.	15 1/2		
Breaking Test of Steel Wire.	945		
Length and size supplied.	15 1/2		
Breaking Test of Steel Wire.	945		

CHAIN CABLES.			
HAWERS AND WARPS.			
Number of Certificate.	7444		
Length and size supplied.	15 1/2		
Breaking Test of Steel Wire.	945		
Length and size supplied.	15 1/2		
Breaking Test of Steel Wire.	945		
Length and size supplied.	15 1/2		
Breaking Test of Steel Wire.	945		

BLOCKS & TACKLE WORKED			
Steering Gear, Type (Power or hand)	STEAM	By J. LYNN & Co. SUNDERLAND	Alternative Means of Steering FROM AFTER WIND.
Steering Chains (Size and Test)	STEERING ENGINE AFT		Windlass STEAM BY CLARKE, CHAPMAN BOATS 1-28' MOTOR LIFE BOAT
Ceiling in Holds, thickness and material	2 1/2" W.P. OVER BILGES ONLY		Cargo Battens, thickness, material and spacing 6' x 2" W.P. SOLID
Cargo Hatchways (Upper Deck)	ROLLERS ON N° 1, 2, 4, 5 UPPER DECK & N° 3 BRIDGE DECK		Thickness of Hatches 2 1/2" W.P. SOLID
Size of Hatchways No. 1 (Fwd.)	24'-9" x 18'-0" No. 2 30'-4" x 18'-0" No. 3 30'-4" x 18'-0" No. 4 30'-4" x 18'-0" No. 5 25'-9" x 18'-0" No. 6		
Number of Shifting Beams	N° 1 - 4; N° 2 - 5; N° 3 - 3; N° 4 - 5; N° 5 - 4		
Builder's Signature	J. A. V. Jordan		

GENERAL DECLARATION.			
It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel. No.			
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash points (where required) to be inserted in the Declaration.			
THIS SHIP HAS BEEN BUILT IN CONFORMITY WITH THE SOCIETY'S RULES AND REGULATIONS AND THE SECRETARY'S LETTERS.			
THE SCANTLINGS AND ARRANGEMENTS ARE IN ACCORDANCE WITH OR EQUIVALENT TO THOSE SHOWN ON THE APPROVED PLANS.			
THE MATERIALS AND WORKMANSHIP ARE OF GOOD QUALITY.			
ALL THE DOUBLE BOTTOM TANKS AND FORE AND AFTER PEAK TANKS HAVE BEEN TESTED AS REQUIRED BY THE RULES AND FOUND SATISFACTORY.			
THE WEATHER DECKS AND WATERTIGHT BULKHEADS HAVE BEEN HOSE-TESTED AND FOUND SATISFACTORY.			
THE FREEBOARD HAS BEEN VERIFIED AND THE MARKS CUT IN ON THE VESSEL'S SIDES.			
CLASSIFICATION CERTIFICATES ARE REQUIRED IN DUPLICATE.			
DUPLICATE INTERIM CERTIFICATES HAVE BEEN ISSUED, COPY OF WHICH IS ATTACHED HEREWITH.			

FEES.			
The amount of Fee	Rs. 1050/-		
Special Survey Fee	Rs. 23,850/-		
Travelling Expenses, if any	£		
State whether the Vessel has been built under Special Survey	YES		
Certificate to be sent to	VIZAGAPATAM OFFICE.		
Date of issue	19th FEB 1949		
Committee's Minute	+ 100 A1		
Character assigned	LLOYDS ATCP		
	+ LMC 10.48		
	3 S.B. 220 lb		
	+ NE made 45 fitted 48		

LLOYD'S REGISTER FOUNDATION			
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GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

THIS VESSEL, EXCEPT FOR SCANTLINGS OF MAIN AND TWEEN DECK FRAMES, BEAMS, FRAMES AND REVERSE FRAMES IN DOUBLE BOTTOM TANKS, BEING ALTERED TO SUIT ELECTRIC WELDING, IS A SISTER VESSEL TO THE S.S. "JALAKRISHNA".  
GREENOCK FIRST ENTRY REPORT No. 20484.

CHAIN CABLE PARTICULARS — continued.

CERT. No.	LENGTH (FMS)	DIA. (INS)	STAT. TEST (TONS)	BREAKING TEST (TONS)	WEIGHT	DESCRIPTION	MAKERS	TESTED	WHERE	WHEN	SUPT.
7446	15	1 5/16	94.5	132.3	31-0-4	STUD LINK	TAYCO	S. TAYLOR & SONS	NE. THERTON	6-2-47	JARELF
7447	15 5/8	"	"	"	30-3-4	"	"	"	"	"	"
7448	15 5/8	"	"	"	30-1-12	"	"	"	"	"	"
7449	15	"	"	"	30-3-26	"	"	"	"	"	"
7450	15 5/8	"	"	"	31-0-12	"	"	"	"	"	"
7451	15 5/8	"	"	"	30-2-26	"	"	"	"	"	"
7452	15 5/8	"	"	"	30-3-0	"	"	"	"	"	"
7453	15 5/8	"	"	"	30-2-20	"	"	"	"	"	"
7454	15	"	"	"	30-3-20	"	"	"	"	"	"
7455	15 5/8	"	"	"	30-3-24	"	"	"	"	"	"
7456	15 5/8	"	"	"	31-0-0	"	"	"	"	24-2-47	"
7457	15 5/8	"	"	"	30-3-8	"	"	"	"	"	"
7476	15 5/4	"	"	"	31-2-12	"	"	"	"	28-2-47	"
7477	15 5/8	"	"	"	31-2-24	"	"	"	"	"	"
7478	15 5/8	"	"	"	31-3-8	"	"	"	"	"	"
7479	15 5/4	"	"	"	31-1-8	"	"	"	"	"	"

LENGTH AND DIA. SUPPLIED — 272 2/3 FMS. 1 5/8 DIA. TAYCO.  
WEIGHT SUPPLIED :— 567 CWTs. - 2 QRS. - 6 LBS.

LENGTH AND DIA. PER TABLE 53 — 270 FMS. 2 3/8 DIA. ORD.  
WEIGHT PER RULE :— 645 CWTs. - 3 QRS. - 0 LBS.

PARTICULARS OF ELECTRIC WELDING (if employed)

SHELL BUTTS. BRACKET FLOOR FRAMES AND REVERSE FRAMES TO SHELL AND TANK TOP FRAMES TO SHELL. SEAMS AND BUTTS OF TANK TOP AND TUNNEL PLATING. MARGIN BRACKETS TO FRAMES. W.T. BULKHEADS' SEAMS, BUTTS, AND STIFFENERS. F.P. TANK TOP SEAMS AND BEAMS. HOLD AND TWEEN DECK PILLARS. 2ND DECK BUTTS, STRINGER PLATES TO SHELL, BEAM KNEES TO FRAMES. UPPER DECK BUTTS IN BRIDGE SPACE, STRINGER PLATES TO SHELL IN POOP BRIDGE & F'C'LE SPACES. POOP DECK BUTTS AND POOP AND F'C'LE BEAMS. WELDED PLATES IN LIEU OF CEMENT CHOCKS.

SPECIAL NOTATIONS:— Either as part of the vessel's class or for record in the Register Book

CRUISER STERN PART ELECTRIC WELDED.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 37 CWTs. - 0 QRS. - 0 LBS. ✓	J.H.J.	8507	24-1-47
	2nd " 36 CWTs. - 2 QRS. - 24 LBS. ✓	J.H.J.	8174	11-10-46
	3rd " 31 CWTs. - 3 QRS. - 16 LBS. ✓	J.H.J.	8536	5-2-47

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.64 ft., R.Q.D. ✓ ft., Bridge 144.67 ft., Forecastle 32.74 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 174197 Signal Letters V.W.W.V. Extreme Breadth over Belting 52 (Circ. 1611) Over-all Length 415.7' (Circ. 1703)

No. and Material of Decks 2 DECKS STEEL No Cement on bottom in tank under boilers  
Parts of Bottom of Vessel coated with cement or approved composition ALL DOUBLE BOTTOM & PEAK TANKS CEMENT WASHED.  
SOLID CEMENT FITTED IN BOTTOM OF PEAK TANKS AND IN WAY OF RIVET HEADS OF BOTTOM SHELL LANDINGS IN DOUBLE BOTTOM TANKS.

Particulars of composition (if fitted) and of approval ✓ Cement to be laid on bottom in tank under boilers on vessel's return to Bombay. See letter 22.5.

PARTICULARS OF WATER BALLAST:— (Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	114.3	315	Fore peak tank,		78 ✓
Double bottom, under Engines and Boilers,	46.7	205	After peak tank,		✓
Double bottom, if under Engines only, TANK UNDER BOILERS USED AS DRY			Deep tank, aft,		✓
Double bottom, if under Boilers only, TANK, BUT CONNECTED TO BALLAST LINE			Deep tank, forward,		✓
Double bottom, forward,	182.1	629	Other tanks, if fitted,		
Total length (if continuous) and Capacity	343.1 ✓	1149 ✓	(If necessary furnish further information by sketch.)		

Order for Special Survey No. \_\_\_\_\_  
Date \_\_\_\_\_  
Dates of Surveys held while building VISITS PER MONTH  
1946: MAR. 2; APR. 18; MAY. 8; JUNE 16; JULY 16; AUG. 15; SEPT. 3; OCT. 19; NOV. 16; DEC. 13.  
1947: JAN. 12; FEB. 14; MAR. 18; APR. 17; MAY. 18; JUNE 11; JULY 17; AUG. 8; SEPT. 5; OCT. 4; NOV. 14; DEC. 16.  
1948: JAN. 13; FEB. 19; MAR. 12; APR. 10; MAY 12; JUNE 4; JULY 1; AUG. 10; SEPT. 8; OCT. 10.

Total No. of Visits 379