

RECEIVED

19 JUL 1949

IN D.O.

STEEL STEAMER OR MOTORSHIP.

Received at London Office

37

JUL 1949

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 **18TH MAY 1949**

Port of **VIZAGAPATAM**

No. **37**

Survey held at **VIZAGAPATAM**

Date First Survey **23RD MAY 1947** Last Survey **18TH MAY 1949**

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **SINGLE SCREW STEAMER**

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **FLUSH DECK**

State Type of Erections **SHADE DECK**

TONNAGE under Tonnage Deck **295.77**

CLASS **A.I.** State if with freeboard as condition of Class **YES**

Built at **VIZAGAPATAM**

Launched **20-12-48** Yard No. **V.C.109**

Builders **THE SCINDIA STEAM NAV. CO. LTD**

Owners **MESSRS. BENGAL BURMA STEAM NAV. CO. LTD.**

Managers

SCINDIA HOUSE

Residence **BALLARD ESTATE, BOMBAY.**

Port of Registry **CALCUTTA**

If surveyed while building, afloat, or in dry dock

BUILDING, AFLOAT & IN DRY DOCK

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total **60**

Gross Tonnage **390.32**

Net Tonnage **209.08**

REGISTERED DIMENSIONS.

FEET

153.1

29.12

9.68

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

150

Breadth (greatest moulded)

29

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

10.25

1st Longitudinal Number (L x D) **1537.5**

2nd Numeral L x (B + D) **5887.5**

Framing Depth "d," at middle of length. See Sec. 3 (1d) **9.1**

Proportions—Depth to Length—Uppermost continuous deck to top of keel **14.63**

Do. Long Bridge to top of keel **7.96**

Draught Moulded

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.....	21		Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead.....	21		" " Reversed Frame.....		
" " in peaks	21		" " Vertical Struts		
MODE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	4 1/2 x 2 1/2 x 38		" " top Angles		
ELSE WHERE B.A.	4 x 2 1/2 x 26		" " bottom Angles.....		
" " Extends up to.....	MAIN DECK		Side Girders, No. each side and thickness.....		
Reversed Frame Amidships, Angle.....	4 x 2 1/2 x 26		Margin Plate depth (excl. of flange) and thickness.....		
" " Extends up to.....	4 x 2 1/2 x 26		" " Vertical Angle to Tank side		
Depth of Framing Girder.....	4		" " Bracket abaft 1/2 len. from stem		
Frames in Uppermost Continuous Deck, Angle, E or F	4 x 2 1/2 x 26		" " Vertical Angle to Tank side		
" " Second 'tween Decks, Angle, E or F	4 x 2 1/2 x 26		" " Bracket from forward 1/2 len. from stem to Panting Area		
" " Third.....	4 x 2 1/2 x 26		" " Gussets, spacing and scantling abaft 1/2 len. from stem.....		
" " from 1/2 len. for'd. to 15% len. from Stem B.A.	4 x 2 1/2 x 26		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " in Peaks, Angle E or F	4 x 2 1/2 x 26		" " Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships.....	5/8 RIVS. @ 7 DIAS		INNER BOTTOM PLATING.		
State if Frame Joggled.....	YES		Breadth and thickness of Middle Line Strake.....		
Are the scantlings and arrangements in the Panting Area, in accordance with the Rules and/or as approved?.....	YES		Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?.....	YES		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?.....		
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds.....	14 x 25		Uppermost Continuous Deck, amidships in CLEAR OF MACHY SPACE, Angle, E or F	4 x 2 1/2 x 26	APPD.
Height of Brackets at side above base line at toe of frame.....	28		" " in way of Bridge, Angle, E or F	3 x 2 1/2 x 5/16	3 x 2 1/2 x 26
Middle Line Keelson, on Floors, Angles, E or F	3 x 3 x 5/16		" " MACHY SPACE E or F	21	
" " Through Plate or Inter-costal Plate	17 x 5/16		Spacing.....	3 x 2 1/2 x 1/4 O.A.	
" " Foundation Plate on Floors (P.A.S.)	12 x 5/16		SHADE	4 x 2 1/2 x 26 B.A.	
" " Flat Plate Keel Angles.....	3 x 3 x 5/16		Second Deck, amidships, Angle, E or F	42	
Side Keelsons, No. each side.....	ONE		Spacing.....		
" " thickness of Inter-costal Plate.....	1/4		Third Deck, amidships, Angle, E or F		
" " Angles TOP & BOTTOM	2 1/2 x 2 1/2 x 1/4		Spacing.....		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, E or F		
Solid Floors, thickness and spacing			Spacing.....		
" " Are Frame and Reversed Frame joggled?			Poop Deck, Angle, E or F		
Bracket Floors, breadth and thickness at middle line			Spacing.....		
" " breadth and thickness at margin plate.....			Bridge Deck, Angle, E or F		
			Spacing.....		
			Forecastle Deck, Angle, E or F		
			Spacing.....		

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	ONE ROW OF 2 1/2 DIA. PILLARS SOLD IN 6 OF HOLDS SPACED APPROX. 5'-3" APART.		24 x 20	
" in 'tween Decks, Size and Spacing			NIL	
" in Holds	ONE ROW OF 2 1/2 DIA. PILLARS SOLD IN 6 FROM MAIN TO SHADE DECK SPACED APPROX. 5'-3" APART.		NIL	
Centre Line Bulkhead.				
Stiffeners and Spacing				
Plating, thickness of				
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness	50 x 5/16	APPROVED 26		
" AT ENDS	20			
" ANGLE AMIDSHIPS	2 1/2 x 2 1/2 x 5/16			
" Angle " AT ENDS	2 1/2 x 2 1/2 x 1/4			
HATCH WAYS				
Thickness of Plating abreast Deck openings in way of Wells	20			
Thickness of Plating abreast Deck openings in way of Bridge	5/16 - 1/4	APPROVED 26		
Thickness of Plating within line of openings	20			
If Sheathed, material and thickness	TEAK		5 x 2 1/2	
SHADE Deck.				
Stringer Plate, breadth and thickness	60 x 1/4			

SHELL PLATING.

SCANTLINGS.				RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.		STRAPE LAPPED.
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	No RIVETS. Diam. Spacing or to cr. Inches. Inches.	No. OF ROWS OF RIVETS.	RIVETS. Diam. Spacing or to cr. Inches. Inches.	
	Breadth.	Thickness.	Thickness.	Thickness.						
	Inches.	Inches.	Inches.	Inches.						
Flat Plate Keel.....	37	x 7/16	5/16	5/16		SINGLE	3/4 3	TWO	3/4 2 1/2	LAPP
„ Dblg. (if any)	✓									
Bottom Plating, No. of Strakes 2	47 1/2	x 3/8	5/16	5/16	APPROVED THICKNESS 5/16 THROUGHOUT.	SINGLE	5/8 2 3/8	TWO	5/8 2 1/4	LAPP
Bilge Plating, No. of Strakes 2	41	x 3/8	5/16	5/16	APPROVED 5/16 THROUGHOUT	SINGLE	5/8 2 3/4	TWO	5/8 2 1/4	LAPP
Side Plating, No. of Strakes 1	47 1/2	x 3/8	3/8	1/4	APPROVED 5/16 AMIDSHIPS 1/4 AT ENDS	SINGLE	3/8 2 3/4	TWO	5/8 2 1/4	LAPP
Upper Deck, Sheer-strake in Well	43	7/16	5/16	5/16		DOUBLE FOR 1/2 L	3/4 3 1/2	THREE FOR 1/2 L	3/4 2 1/2	LAPP
Upper Deck, Sheer-strake in Bridge						SINGLE ELSEWHERE	5/8 2 3/4	TWO ELSEWHERE	3/4 2 3/4	LAPP
Strake below Sheer-strake in Wells										
Strake below Sheer-strake in Bridge										
Poop Side Plating, AFT. BETWEEN MAIN & SHADE DECKS	50			1/4		SINGLE	5/8 2 3/4	1 Row	5/8 2 1/4	LAPP
Bridge Side Plating, AFT. BETWEEN MAIN & SHADE DECKS	54	1/4				SINGLE	5/8 2 3/4	1 Row	5/8 2 1/4	LAPP
Forecastle Side Plating, AFT. BETWEEN MAIN & SHADE DECKS	56		1/4			SINGLE	5/8 2 7/8	1 Row	5/8 2 1/4	LAPP

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	6
Extending to Upper Deck (Sec. 37)	6
" Deck next below	✓
As per Rule	4

STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	✓				
" " Second	✓				
" " Third	✓				
" " Holds	1/4	5 x 3 x 5/16 O.A.	30"		
COLLISION " (in Hold)	1/4	4 x 3 x 3/8 O.A.	18"		
AFTER PEAK	1/2 - 1/4	4 x 3 x 3/8 O.A.	20"		

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	CUT FROM M.S.			
STEM	CUT FROM M.S.	5/8 x 1/4	TATA'S	
STERN FRAME	Propeller Post BLOOMS 5/8 x 3/4		FABRICATED BY SCINDIA SHIPYARD	
" Rudder	MACHINED FROM SOLID ROUND 5 1/2 x 3			
Speed of Vessel		10 KNOTS		
RUDDER—Type		SINGLE PLATE		
" A x D		26 x 53		
" Diam. of head		3"		
" Mainpiece at top pintle		3 5/16		
" heel		2 13/16		
" how constructed		3 RIVETED ARMS		
" coupling, vertical or horizontal		SINGLE		

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

EQUIPMENT No. 6350

LETTER 9

ANCHORS.

	Number of Anchors.	Weight, Ex. Stock.	Weight of Stock.	Test, per Certificate.	Weight Required by Table 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
1st Bower	10	119	119	12	8	10-1-0	BYERS IMPROVED TYPE	SUNDERLAND 13-8-46 F.W. DOWEY
2nd "	8	19	19	11	2	8-2-24	CAST STEEL HEAD	" 29-4-46 "
3rd "								
Collective weight								
Stream	3	14	14	5	16	2-7	CAST STEEL RODGERS ANCHOR	LOW WALKER 17-12-46 R.J. VOGAN

CHAIN CABLES.

HAWSERS AND WARPS.

	Number of Cables.	Length and size supplied.	Test per Certificate.	Weight of Chain Cable.	Length and size per Table 53.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.	Breaking Test of Steel Wire.	Length and size per Table 53.
		Length. Diam.	Statutory. Breaking.	Supplied.	Per Rule.	Length. Diam.				Length. Cir.	Tons.	Length. Cir.
5645	15	1 1/16	20.3	30.4	9	0-10	1 1/16	STUD LINK	WILLETS & SONS	NETHERTON 6-3-47	76 (6x12) 2 1/2	75 (6x12) 2 1/2
5646	15	"	"	"	9	1-10	"	"	"	"	1090 (6x12) 2	1090 (6x12) 2
5647	15	1 5/16	"	"	9	0-4	"	"	"	"	"	"
Steel Wire	60	2 1/2	13.2	20.2	20.2	2 1/2	2 1/2	"	"	"	"	"

Steering Gear, Type	STEAM	BY J. HASTIE & CO. LTD. GREENOCK	STEERING GEAR, HAND (BLOCKS & TACKLE)
Steering Chains (Size and Test)	7/16 DIA.	2 1/2 TONS	Alternative Means of Steering TILLER FOR EMERGENCY
Ceiling in Holds, thickness and material	5 x 1 1/2 W.P.		STEAM BY MESSRS
Cargo Hatchways—(Upper Deck)	No. 1: COAMING 27" ABOVE STEEL DECK WITH 1 FSA WEB IN ANGLE SHOE		CLARKE CHAPMAN & CO. LTD. Boats 2-24-0 STEEL LIFEBOATS
Size of Hatchways No. 1 (Fwd.)	8'-9" x 6'-0"	No. 2 AFT. 7'-0" x 6'-0"	No. 3
Thickness of Hatches	2 1/2 W.P. SOLID		
Number of Hatchways	No. 1, ONE	No. 2, ONE	No. 3, ONE
Fore and Afters			

Builder's Signature

For The Scindia Steam Navigation Co. Ltd.
 Chief Shipyard

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 point (where required to be inserted in the Notation).

THIS SHIP HAS BEEN BUILT IN CONFORMITY WITH THE SOCIETY'S RULES & 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

THE FORE AND AFTER PEAK TANKS HAVE BEEN TESTED AS REQUIRED BY THE RULES AND FOUND

SATISFACTORY. THE WEATHER DECKS AND WATERTIGHT BULKHEADS HAVE BEEN HOSETESTED AND FOUND SATISFACTORY.

THE WINDLASS AND STEERING GEAR TESTED ON SEA TRIALS AND FOUND SATISFACTORY.

THE FREEBOARD HAS BEEN VERIFIED AND THE MARKS CUT IN ON VESSEL'S SIDES

CLASSIFICATION CERTIFICATES ARE REQUIRED IN DUPLICATE

DUPLICATE INTERIM CERTIFICATES HAVE BEEN ISSUED COPY OF WHICH IS ATTACHED HEREWITH.

FREEBOARD

The amount of Fee	4 400/-	18/5	1949
Special Survey Fee	4215/-		
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 25/8/49

Committee's Minute

Character assigned

+A1 with freeboard Subject

For Coasting Service between Chittagong & hills

Lloyd's A.C.P.

+LMC 549

O.G.

1 SB 180/6

Note for S.R.H.

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Lloyd's Register Foundation

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.)

CHAIN CABLE PARTICULARS (CONTD.)										
CERT. No.	LENGTH	DIA.	STAT. TEST	BREAKING TEST	WEIGHT	DESCRIPTION	MAKERS	TESTED WHEN	WHERE	SUPT.
5648	15	1 1/16	20.3	30.4	9-1-16	STUD LINK	WILLETS & SONS	6-3-47	NETHERTON	J.A. RELF
5649	15	"	"	"	9-2-2	"	"	27-3-47	"	"
5650	15 1/2	"	"	"	9-3-14	"	"	"	"	"
5651	14 2/3	"	"	"	9-1-2	"	"	"	"	"
5652	14 2/3	"	"	"	9-0-20	"	"	"	"	"
5653	15 1/4	"	"	"	10-0-2	"	"	"	"	"
5654	15	"	"	"	9-1-22	"	"	"	"	"
5655	15	"	"	"	9-1-22	"	"	"	"	"

LENGTH & DIA. SUPPLIED:- 164 1/2 FMS. - 1 1/16 DIA.

WEIGHT SUPPLIED 103-2-12

LENGTH & DIA. PER TABLE 53:- 165 FMS. - 1 1/16 DIA.

WEIGHT PER RULE 95 1/4 CWTB.

PARTICULARS OF ELECTRIC WELDING (if employed) MAIN DECK PLATE BUTTS, SHADE DECK STRINGER PLATE BUTTS

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

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	6-2-0	A.E.G.	8308	15-3-46
2nd "	5-0-0	A.E.G.	8204	22-2-46
3rd STREAM	3-0-21	J.H.J.	8273	8-11-46

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop. ft., R.Q.D. ft., Bridge. ft., Forecastle. ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.

Official No. Signal Letters Extreme Breadth over Bolling 30-4 3/4 Over-all Length 159-2 1/2
(Circ. 1611) (Circ. 1703)
No. and Material of Decks 2 DECKS MAIN DECK STEEL, WOOD SHEATHED, SHADE DECK PART STEEL, WOOD SHEATHED
Parts of Bottom of Vessel coated with cement or approved composition SOLID CEMENT FITTED IN PEAK TANKS.
REMAINDER OF BOTTOM SHELL NOT COATED IN ACCORDANCE WITH RULE REQUIREMENTS.
Particulars of composition (if fitted) and of approval.

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	18	18
Double bottom, under Engines and Boilers,			After peak tank,	20	20
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No. 2
Date
Dates of Surveys held while building
NO OF VISITS PER MONTH
1947. MAY 1: JULY 1: DEC 3:
1948. JAN 1: FEB 4: MAR 7: APL 8: MAY 6: JUNE 5: JULY 7: AUG 4: SEPT 1: OCT 3: NOV 3: DEC 17: = 5
1949 JAN 8: FEB 8: MAR 5: APL 8: MAY 8: = 37

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Total No. of Visits 108