

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

Port of BOMBAY.No. 8476Survey held at BOMBAY.Date First Survey 8-11-1946Last Survey 10-3-19 47.On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Turbine Vessel " KILWA " Ex KiungchowState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Spar Deck

State Type of Erections detached Forecastle Bridge and Poop.

TONNAGE under Tonnage Deck...

CLASS 100 AState if with freeboard as condition of Class Yes.Built at Greenock

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 310 ✓Launched 1921Yard No. 507

Total

Breadth (greatest moulded) B 44.0 ✓Builders Scott's S.B.E. Co.Ltd.Gross Tonnage 2653Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 23-0 ✓Owners British India Steam Nav. Co. Ltd.Register Tonnage 15451st Longitudinal Number (L x D) = 7130Managers -

(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) = 20770Residence -

REGISTERED DIMENSIONS.

FEET.

Length 310'Framing Depth "d," at middle of length. See Sec. 3 (1d) 13'-7"Breadth 44Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.83Port of Registry LONDONDepth 20.9Do. Long Bridge to top of keel 9.92

If surveyed while building, afloat, or in dry dock

Draught Moulded 18'-0"

In Mogul Dry Dock.

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	<u>36"</u>		Bracket Floors, Frame	<u>8"x3"x.42</u> ✓	
" " from $\frac{3}{8}$ length to Collision bulkhead.....	<u>33"</u>		" " Reversed Frame	<u>7½"x3"x.38</u> ✓	
" " in peaks.....	<u>24"</u> ✓		" " Vertical Struts	<u>7½"x3½"x.46</u> ✓	
IDE FRAMING.			Centre Girder, depth and thickness amidships	<u>36" x .44</u> ✓	
Frame Amidships, Angle or [✓	<u>8"x3"x.40"</u> ✓		" " top Angles	<u>3"x3"x.36</u> ✓	
" " Extends up to	<u>Main deck</u> ✓		" " bottom Angles	<u>3½"x3½"x.40</u> ✓	
Reversed Frame Amidships, Angle	- - -		Side Girders, No. each side and thickness	<u>1 .32"</u> ✓	
" " Extends up to...	- - -		Margin Plate depth (excl. of flange) and thickness	- - -	
Depth of Framing Girder.....	<u>33"</u>		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	<u>nil</u> ✓	
Frames in Uppermost Continuous 'tween Decks, Angle or [✓	<u>6"x3"x.40"</u> ✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	"	
" " Second 'tween Decks, Angle, [or [- - -		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	"	
" " Third " " " "	- - -		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....	"	
Framing in Peaks, Angle or [✓	<u>6"x3".34</u> ✓		Tank Side Brackets, height above base line at toe of Frame and thickness)	<u>5'-11" x.38"</u> ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>7/8"dia.4 pitch</u> ✓		INNER BOTTOM PLATING.		
State if Frame Joggled	<u>yes</u> ✓		Breadth and thickness of Middle Line Strake ...	<u>42" .46</u> ✓	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars)	<u>Tiers of beams in peaks and abaft collision bulkhead</u> ✓		Thickness of remainder in Holds	<u>.46"</u> ✓	
TRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>Extra side girders, floors double rivetted</u> ✓		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?.....	<u>Yes.</u> ✓	
INGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	- - -		Uppermost Continuous Deck, amidships in Wells, Angle, [or [✓	<u>7"x3"x.42"</u> ✓	
Height of Brackets at side above base line at toe of frame	- - -		" " in way of Bridge, Angle, [or [✓	<u>7"x3"x.42"</u> ✓	
Middle Line Keelson, on Floors, Angles, [or [- - -		Spacing	<u>36</u> ✓	
" " Through Plate or Intercostal Plate...	- - -		Second Deck, amidships, Angle, [or [✓	<u>8"x3"x.42</u> ✓	
" " Foundation Plate on Floors	- - -		Spacing.....	<u>36</u> ✓	
" " Flat Plate Keel Angles	- - -		Third Deck, amidships, Angle, [or [- - -	
Side Keelsons, No. each side	- - -		Spacing.....	- - -	
" " thickness of Intercostal Plate...	- - -		Fourth Deck, amidships, Angle, [or [- - -	
" " Angles	- - -		Spacing.....	- - -	
DOUBLE BOTTOM.			Poop Deck, Angle, [or [✓	<u>5½"x3"x.34</u> ✓	
Solid Floors, thickness and spacing	<u>.32" x 6'-0"</u> ✓		Spacing.....	<u>27" to 24"</u> ✓	
" " Are Frame and Reversed Frame joggled?.....	<u>Yes</u> ✓		Bridge Deck, Angle, [or [✓	<u>6"x3"x.38</u> ✓	
Bracket Floors, breadth and thickness at middle line.....	<u>36" x .32"</u> ✓		Spacing	<u>36"</u> ✓	
" " breadth and thickness at margin plate.....	<u>42" x.32"</u> ✓		Forecastle Deck, Angle, [or [✓	<u>5½"x3"x.34"</u> ✓	
	<u>with 3½" flanges.</u> ✓		Spacing	<u>27" to 24"</u> ✓	

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
	One	Two			
Stringer Plate, breadth and thickness in way of Bridge	45" x .38"			45" x .38"	
Thickness of Plating abreast Deck openings in way of Wells	not plated			not plated	
Thickness of Plating abreast Deck openings in way of Bridge	Tie plates .38"			Tie plates .38"	
Thickness of Plating within line of openings					
Material and thickness	2 1/2" Pitch Pine			2 1/2" Pitch Pine	
Third Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Fourth Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Poop Deck.					
Stringer Plate, breadth and thickness	38" x .32"			38" x .32"	
Material and thickness	Wood 2" thick			Wood 2" thick	
Bridge Deck.					
Stringer Plate, breadth and thickness	72" x .44"			72" x .44"	
Plating, Sheathing, material and thickness	25 Teak 2 1/2"			25 Teak 2 1/2"	
Forecastle Deck.					
Stringer Plate, breadth and thickness	56" .25" thick			56" .25" thick	
Plating, Sheathing, material and thickness	Wood 3" thick			Wood 3" thick	

Centre Line Bulkhead.
Stiffeners and Spacing..... Nil
Plating, thickness of..... Nil

STRINGERS AND DECKS.
Uppermost Continuous Deck.
Stringer Plate, breadth and thickness in Wells..... 60" x 52"
" " " " in way of Bridge..... 72" x 44"
" " " " Angle in Wells..... 5" x 5" x 58"
Thickness of Plating abreast Deck openings in way of Wells..... .38"
Thickness of Plating abreast Deck openings in way of Bridge..... .38" thick
Thickness of Plating within line of openings.....
If Sheathed, material and thickness..... Fore well deck 3" Teak within Bridge space 3" cement after deck - unsheathed

Second Deck.
Stringer Plate, breadth and thickness in Wells..... 45" x .38"

SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		No.		BUTTS.	
	Breadth.	Thickness.	Forward.	Aft.		Single or Double.	RIVETS.	No. of Rows of Rivets.	RIVETS.		
											Diam.
FLAT PLATE KEEL	45"	.82	.60"	.60		Double	1" 4 1/2"	6"	8	1" 3 1/2"	Strapped
" DELG. (if any)	Nil					"	"	"	"	1" 3 1/2"	lapped
BOTTOM PLATING, No. of Strakes	75"	.63	.62	.40		"	7/8"	3 1/2"	3	7/8"	3 1/2" lapped
BILGE PLATING, No. of Strakes	60"	.63	.40	.40		"	7/8"	"	3	7/8"	"
SIDE PLATING, No. of Strakes	57"	.63	.40	.40		"	7/8"	"	3	7/8"	"
UPPER DECK, Sheer-strake in Wells	45"	.68	-	-		"	7/8"	"	4	7/8"	"
UPPER DECK, Sheer-strake in Bridge	51"	.64	-	-		"	7/8"	"	4	7/8"	"
STRAKE BELOW Sheer-strake in Wells	60"	.64	-	-		"	7/8"	"	3	7/8"	"
STRAKE BELOW Sheer-strake in Bridge	36"	.62	-	-		"	7/8"	"	3	7/8"	"
POOP SIDE PLATING, Sheer below sheer	50"	.34	-	-		Single	3/4"	3"	Double	3/4"	2.5/8 lapped
BRIDGE SIDE PLATING	51"	.46	-	-		Double	3/4"	3"	"	3/4"	"
FORECASTLE SIDE PLATING, sheer below sheer	51"	.38	-	-		Single	3/4"	3"	"	3/4"	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel..... Six
Extending to Upper Deck (Sec. 3 c) up to Upper deck
" Deck next below -
As per Rule

FORGINGS and CASTINGS.

	Casting or Forging.	Scandings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	-	-	-	-
STEM	Forged	8"x2 1/2"	-	-
STERN FRAME	Propeller Post	Casting	8 1/2"x6.1/8"	-
	Rudder	"	7"x6"	-
RUDDER-A x D	Steel	277.4	-	-
Speed of Vessel	11 knots	-	-	-
RUDDER mainpiece at head	Forged	8"	-	-
" " heel	"	6.1/8"	-	-
" how constructed	Built up	-	-	-
COLLISION (in Hold)	36" 8 1/2"x3"x.44"x30" stringer	36" 8 1/2"x3"x.44"x30" stringer	36" 8 1/2"x3"x.44"x30" stringer	36" 8 1/2"x3"x.44"x30" stringer
AFTER PEAK	34" 8 1/2"x3"x.50"x24" .44x30"	34" 8 1/2"x3"x.50"x24" .44x30"	34" 8 1/2"x3"x.50"x24" .44x30"	34" 8 1/2"x3"x.50"x24" .44x30"

STIFFENERS.

MIDSHIP BULKHEAD, Upper tween decks	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scandings.	Spacing.	Scandings.	Spacing.
1	.30	5 1/2"x3"x.44	24"	-	-
2	.28	4 1/2"x3"x.32	30"	-	-
3	.28	4 1/2"x3"x.32	30"	-	-
4	.32	9"x3"x.56	30"	-	-

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).....
Has the Steel been tested as required by the Rules?.....

EQUIPMENT No. LETTER ANCHORS.

Number of Certificate.	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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.				
1st Bower		43	0	0	-	-	-	-	-	-	-	Stockless	-	-
2nd "		42	2	0	-	-	-	-	-	-	Stockless	-	-	
3rd "		42	0	0	-	-	-	-	-	-	Stockless	-	-	
Collective weight		27	2	0	-	-	-	-	-	-	119 1/2	-	-	
Stream		14	2	0	-	-	-	-	-	-	-	-	-	

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate.	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.
			Supplied.	Per Rule.								
135	132	-	-	-	20	Stud link	-	-	TOWLINE	100	4	33.2
45	14	-	-	-	-	"	-	-	HAWSERS & WARPS	180	2 1/2	-
75	132	25	150	9.16"	-	"	-	-	"	180	2 1/2	-
75	4 1/2	36.4	-	-	-	F.S. wire	-	-	"	-	-	-

Steering Gear, Steam Steam J. Hastie Co. Ltd. Greenock No. 2768
Boats 4 wood 26x8.5x3.5
Steering Chains, Size and Test 26.15x8x3.23
Ceiling in Holds, thickness and material 2" pine in way of 0. Fuel D.B. tank (No. 5)
Cargo Hatchways (Upper Deck) Steel coamings 4 in number
Thickness of Hatches 2 1/2" pine wood
Size of No. 1 Hatchway (Forward) 16'-0"x12'-0" & 28'-12'-3" No. 3 15'-6"x12'-0" No. 4 12'-0"x10'-0" No. 5 - No. 6 -
Number of Shifting Beams and/or Fore and Afters No. 1 Hatch 2, No. 2 Hatch 5, No. 3 Hatch 2, No. 4 Hatch 2

Builder's Signature

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel YES (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo NO The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel is for cargo purposes and is also fitted for carrying passengers in No. 1 & 2 Tween deck.

The vessel is fitted for burning oil fuel with a flash point above 150 F.
This vessel was examined throughout whilst in dry dock. The steel work throughout was scaled and the vessel examined as per Rules for a S.S. (Dr.)
All parts examined and found or placed in good condition.
All scantlings checked and noted overleaf.
All pumping arrangements for ballast, oil fuel and bilges examined and found to comply with Rule requirements and found or placed in efficient condition.
All fire extinguishing arrangements examined and found to be in accordance with Rule requirements, also tested and found or placed in good condition.
All D.B. ballast and oil fuel tanks and Peak tanks tested in accordance with Rule requirements.
The Oil Fuel settling tanks tested in accordance with the Rules, all fittings and pipe connections examined and found or placed in order.
The teledepth arrangement for determining the oil level in these settling tanks tested and found to be accurate.

The steering gear and windlass were tried under working conditions and found efficient.
The auxiliary steering gear was rigged and tested and found efficient.
From the parts examined this vessel is considered to be in an efficient condition and in my opinion is eligible to be classed IOO A with record of survey 3.47 and notation of S.S. Bom. 3-47 (Dr.)

The amount of Entry Fee £ 480/-
Load Line Assignment £ 480/-
Special Survey Fee £ 4140/-
Repairs £ 200/-
Sunday Fee 24-11-46 £ 48/-
Travelling Expenses, if any £ 150/-
Cable charges 42/14/-

Fees applied for, 31-3-1947
Received by me, 19

I am of opinion the Vessel should be Classed IOO A

State whether the Vessel has been built under Special Survey NO
Certificate to be sent to This Office Date of issue
Signature T. A. Noel
Surveyor to Lloyd's Register of Shipping.

Committee's Minute TUES. 13 JAN 1947
Character assigned See Bom 8476

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.)

The following is a list of drawings which are forwarded herewith.

- (1) Midship Section.
- (2) Rudder and Stern Frame.
- (3) Positions of Cargo Port Doors in shell.

The following were forwarded under separate cover on 4th April 1947.

- (1) General Arrangement (Longitudinal View)
- (2) General Arrangement (Plan View)
- (3) Panting Arrangements in Fore Peak Tank.
- (4) General Arrangement of Boat Deck erected on after well deck.

T.H. Noel

Length overall 321.5' See letter 30.8.47

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

1st Bower
2nd „
3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 23.0 ft., R.Q.D. - ft., Bridge 84.0 ft., Forecastle 43.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. Originally the Poop was joined to the B.D. but at a recent damage repair this spar deck was removed.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 Decks - 1 Deck steel part wood sheathed, 2nd Deck teak. 2 Tiers Beams

Official No. 146136

Signal Letters

Is bottom of Vessel coated with cement Yes if not give

particulars of composition cement in way of Ballast, fresh water and Peak Tanks, but uncoated in way of oil Fuel and lub. oil tanks.

PARTICULARS OF WATER BALLAST. Note No. 5 and 3 D.B. Tanks can be used for oil fuel. Their capacities are 176 and 110 tons respectively.

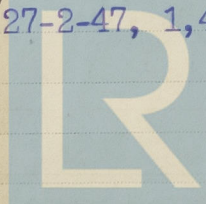
Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	92	89	Fore peak tank,	17	44
Double bottom, under Engines and Boilers,	48	42	After peak tank,	10	25
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	123.5	114	Other tanks, if fitted,	-	-
Total capacity of double bottom		566	(If necessary, furnish further information by sketch.)		
* The wells are not to be included in the lengths of the tanks.					

Order for Special Survey No.

Date

Dates of Surveys held while building

8, 21, 22, 24, & 29-11-46, 2, 6, 13, 16, 17, 23-12-46, 3, 4, 6, 13, 17, 20-24, 25, 27, 28 & 29-1-47, 1, 5, 7, 8, 10, 11, 20, 21, 24 & 27-2-47, 1, 4, 5, 6 & 10-3-47.



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