

Rpt. 11b.

EXT

Born 17/5/33

-5 OCT 192

Index No. 32936
(For London Office only.)Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.—STEAM SHIPS.PARTICULARS RELATING TO ALL STEAM SHIPS EITHER FLUSH DECKED, OR WITH
TOP GALLANT FORECASTLES, SHORT POOPS AND BRIDGE HOUSES DISCONNECTED, OR
WITH TOP GALLANT FORECASTLES HAVING LONG POOPS, OR RAISED QUARTER DECKS
CONNECTED WITH BRIDGE HOUSES, OR OTHERWISE.Port of Survey Glasgow.
Date of Survey Building.
Name of Surveyor M. Macleod.

Ship's Name. "KALAVATI."	Port of Registry and Nationality. Bombay British	Official Number. 153811	Gross Tonnage. approx. 1500.	Date of Build. 1928	Particulars of Classification. +100 ft. Shelter deck with freeboard. (contemplated)
Number in Register Book 90773.					

Registered dimensions from Ship's Register.	LENGTH. 230.85	BREADTH. 38.65	DEPTH. 14.75	UNDER DECK TONNAGE. 942.62
Length on LOADLINE.	230.	Frame Depth Rule 7 Rule 4.5 Spanning 5' fitted = -44'	Ceiling fitted Sheer + 44' + 45' + 44'	Peak Tanks + 4.38' 0.3 in E.R.
CORRECTED DIMENSIONS.	230.	38.24	15.19 ₂₀	950.

Co-efficient of fineness.....

Any modification necessary
[Para. 4 (a) to (e)]*

Co-efficient as corrected

Sheer { Stem..... 66 }
at { Sternpost ... 33 } 99' ÷ 2 = 49½' MeanSheer at 1/8 of the length from { Stem 34' }
{ Sternpost 14' } 54' ÷ 2 = 27' Mean

Gradual mean Sheer 49.09' ÷ 55 = 49.09'

Standard mean Sheer [Table, Para. 18] 33.080

Difference..... 16.01' ÷ 4 = 4.02

§ If limited as Para. 18 (f)

Rise in Sheer { At front of bridge house..... }
from amidships { At after end of forecastleFall in Sheer {
Para. 18 (d) } ÷ 2 = Lowest point of
Length uncovered Sheer D. Correction

ALLOWANCE FOR DECK ERECTIONS:—

Freeboard, Table C..... 0'-4¾"

Correction for Length, if required (Para. 12, 13, and 14)

Freeboard by Table A, corrected for sheer, and for length,
if required (Para. 12, 13, and 14) 11. 2'-3¾"

Difference 1'-8"

Percentage as below..... 90% 18%
18.03Correction for R. Q. Dk. if engine and boiler openings not
covered by bridge house (Para. 11) ✓

Allowance for Deck Erections 1'-6"

	Length.	Length allowed.	Height.
Forecastle.....	172.0	168.12	4'3"
Bridge House.....	4.0		
† Raised Qr. Dk.....	54.0	39.75	4'3"
Poop.....	230.	207.87	
Total		218.93	

Length of Ship 230.
Corresponding percentage { 90.18% }
(Para. 11, 12, 13, or 14) 230. = 95.18

FREEBOARD recommended amidships from centre of Disc to top of Statutory Deck Line, Wood (Steel) Deck:—

Fresh Water Line above centre of Disc ...

Indian Summer Line " " " " " " " " " " " "

Winter Line below " " " " " " " " " " " "

Winter North Atlantic Line " " " " " " " " " " " "

* If the frames, skin planking, or ceiling are of unusual thickness the breadth of vessel to inside
of ceiling should be reported if possible.
† In vessels obtaining an allowance for deck erections under Para. 11 where the sheer drops abaft amid-
ships the height of the R. Q. D. is to be taken from the level of the top of the amidship beam.
§ In flush-decked vessels the total standard mean sheer means the sheer measured at the stem and stern-
post. In vessels having poops and forecastles, it means the sheer measured at points distant
one-eighth of the vessel's length from stem and stern-post.

Moulded Depth as measured..... 16.0 U.D.

3½" wood upper dk. fitted

Addition for Keel below base line
for draught record..... 1.3 inches.NOTE. If the
depth is measured
when vessel is
short, the details
of measurement
should be reported.

CORRECTION FOR LENGTH

Length of Ship on Loadline..... 230'
Length in Table 192'
Difference 38'
Correction for 10ft., Table A. 1.0' Table C. ✓
× Difference divided by 10 3.8' (if required.)
If 1/10ths length covered divide by 2 1.9' + 2"

CORRECTION FOR IRON DECK.

Proportion covered, if less than 1/10ths length covered ✓
Thickness of usual wood deck, less stringer 4'-½" = 3½"
3½" wood sheathing fitted. ✓

CORRECTION FOR ROUND OF BEAM.

Breadth at Gunwale amidships..... 38.6"
Round of Beam 9 3/8"
Normal round..... 9 3/8"
Difference 2 =
Proportion of Deck uncovered (Para. 19) Nil.NOTE. — The
round of beam
should be report-
ed on the full
breadth of vessel
at the gunwale.Freeboard, Table A 2'-2¾"
Correction for Sheer -4"
2'-3¾"
Correction for Length +2"
2'-5¾"
Allowance for Deck Erections -1'-6"
0'-11¾"
Correction for Round of Beam..... ✓
Correction for fall in Sheer (if any)..... ✓
Correction for Steel Deck (if required) Wood dk. fitted. ✓
Additions for non-compliance with provisions of {
Para. 11 (d) and (e)† } ✓
Other Corrections (if any) ✓Winter Freeboard 0'-11¾"
Summer Freeboard (2) 0'-9¾"
Indian Summer Freeboard 0'-7¾"
N.A. Winter FreeboardCorrection necessary because clearside amidships, measured
in accordance with the Statute is not taken at the
intersection of the wood or steel deck with side.
upper 1½"Winter Freeboard from deck line 1'-1¼"
Summer " " " " 0'-11¼"
Indian Summer " " " " 0'-9¼"
N.A. Winter " " " " 0'-11"† State dimensions of freeing port area on back of this form.
The Surveyor should state whether the fall in sheer as reported is measured relatively to the straight
line of keel or to the water line. If measured relatively to water line the vessel's draught at time of
survey, and also the usual load draft forward and aft should be reported.

Tonnage Opening Fitted.

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Do all the Frames extend to the top height in the Poop? ☒ Raised Quarter Deck? ☒ Bridge House? ☒ Forecastle? ☒ *yes*

To what height do the Reverse Frames extend? *across top of floors only.*

Has the Poop or Raised Quarter Deck an efficient Iron Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

Is the Poop or Raised Quarter Deck connected with the Bridge House? ☒ Has the Bridge House an efficient Bulkhead at the fore end?

Give particulars of the means for closing the openings in Bulkhead

What is the thickness of the Bridge Front plating? _____ and Coaming plate? _____

Give scantlings and spacing of the Stiffeners

Are bracket plates fitted at each end of the Stiffeners? _____ Are hor'l. brackets fitted connecting Bridge Bulk'd. with Bulwarks? _____

Has the Bridge House an efficient Iron Bulkhead at the after end?

How are the openings closed?

Is the Forecastle at least as high as the main or top-gallant rail? _____ Has the Forecastle an efficient Iron or Wood Bulk'd. at after end? _____

Are the Engine and Boiler openings covered by a Bridge, Poop, Raised Quarter Deck, or enclosed by a Strong Iron or Steel Deckhouse? _____

If the openings are not so protected are the exposed parts of the Casings efficiently constructed? _____

Give thickness of plating; scantlings and spacing of Stiffeners

What is the height of the exposed Casings? _____ Are suitable means provided for closing all openings in them in bad weather? _____

Are the Weather Deck Hatchways efficiently constructed and at least equal to the requirements of Section 28 of the Rules for 1904-5? Give particulars below:—

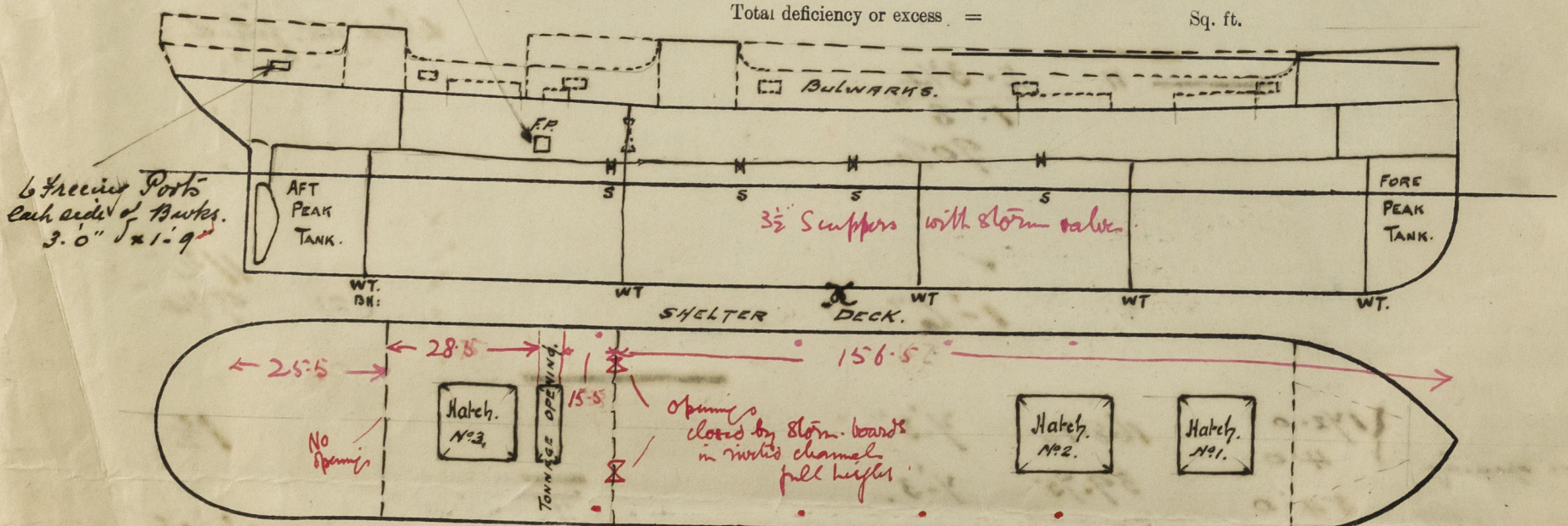
Position and Size.		13' 5" x 12' 0"		17' 3" x 12' 0"		4' 0" x 12' 0"		13' 5" x 12' 0"			
Item.		Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.	Ship.	Rule.
COAMING.	Height above top of DECK	2' 6"	1' 0"	2' 6"	1' 0"	12" Centre 9 3/8" side.		2' 6"	1' 0"		
	Thickness { Sides	.50	.50	.50	.50	.50		.50	.50		
	Thickness { Ends	.50	.50	.50	.50	.50		.50	.50		
SHIFTING BEAMS OR WEB PLATES.	Number	Two		Three	3	None		Two	4		
	Section and Scantlings	13 3/8" x 30"	10 1/2" x 30"	as in No. 1		None		as in No. 1			
	Material	3 x 3 x 40 Angles top & bottom	3 x 3 x 40	do.		do.		do.			
* FORE AND AFTERS.	Number	None	None	None	None	None		None	None		
	Section and Scantlings										
	Material										
HATCHES Thickness		3"	2 1/2"	do. as in No. 1		do.		do. as in No. 1			
Remarks		Baltic Pine.	Baltic Pine	do. as in No. 1		do.		do. as in No. 1			

Upper Deck Hatchways are separate structure.

File Bridge
Closed 156.50
opening 15.5 x 3/4 = 11.62
168.12
Poop closed 25.5
opening 28.5 = 14.25
39.75
way of Tonnage opening 2.0' x 1.75' x one.

* The depth of Fore and Afters should be stated from the underside of the hatches in all cases.
 (If the sill of the lowest side scuttle will be less than 6 inches above the Indian Summer Load Line if assigned under the tables, state vertical distance from top of deck at side amidships to lower edge of lowest side scuttle.)
 The following information is to be given in all Cases of vessels dealt with under Paras. 11, 12 (under 15 feet Moulded depth) and under Shelter Deck Rules.
 What is the thickness of the Bridge Sheerstrake? _____ Strake between Main and Bridge Sheerstrakes? _____
 Delete the words { The Crew are, are not, berthed in the bridge house.
 that do not apply { The arrangements to enable them to get backwards and forwards from their quarters are, are not satisfactory.

Length of Bulwarks in well _____
 Area of Freeing Ports required by Para. 11 (e) each side of vessel = _____ Sq. ft.
 Ft. Tenths. Ft. Tenths. No.
 2.0' x 1.75' x one. } Freeing Ports (each side of vessel) = 3.5' Sq. ft.
 Total deficiency or excess = _____ Sq. ft.



Show hereon line of Floors or Tank Top with position of any Breaks in same; also height of Peak Tank tops, &c., &c.

State any special features in the construction of the Vessel *Shelter deck with Tonnage opening.*

Builder's name and yard number *Bow. McLachlan & Co. Ltd. No. 479.*

Names of sister vessels _____

Owners *Bombay Siam Navigation Co. Ltd.*

Address *Bombay.*

Fee £ *4* : *11* : *8.*

Received by me *Lee F. L. Report*

Approved Midship Section + Profile + Deck Plans forwarded for reference Freeboard Register Form attached.