

JUN 21 1940

Rpt. C.11 (Comp.).

Index. No. 36306
(For London Office only).

Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

No. 18054

B.T. COPY

N.N.

Ship's Name "ITOLA" "PAKISTAN PROMOTER"	Official Number 167619	Nationality and Port of Registry BRITISH LONDON	Gross Tonnage 6793.06	Date of Build July 1940	Port of Survey Hartlepool.
Moulded Dimensions: Length B.P. 420'0" Breadth 57'3 1/2" Depth 34'6" Length to centre of stack 420'7" 58				Date of Survey building June 1940.	
Moulded displacement at moulded draught = 85 per cent. of moulded depth 15208 tons				Surveyor's Signature W. J. Craig	
Coefficient of fineness for use with Tables .753.				Particulars of Classification + 100 A.I. with freeboard (contaminated)	

Depth for Freeboard (D). Moulded depth ... 34'6" 50 Stringer plate 46"04 Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ ✓ Depth for Freeboard (D) = 34'54"	Depth correction. (a) Where D is greater than Table depth (D - Table depth) R = (34'54" - 28'04") × 3 = + 19'50" 6'50" (b) Where D is less than Table depth (if allowed) (Table depth - D) R = ✓ If restricted by superstructures ✓	Round of Beam correction. Moulded Breadth (B) 57'3 1/2" Standard Round of Beam = $\frac{B \times 12}{50} =$ 13 3/4" Ship's Round of Beam = 13 3/4" Difference ✓ Restricted to ✓ Correction = $\frac{\text{Diff}^{\circ}}{4} \times \left(1 - \frac{S_1}{L} \right) =$ NIL.
---	--	--

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed equivalent	40'83"	40'83"	7'6"	-	40'83"
.. overhang ...	2'54"	.67"			.67"
R.Q.D. enclosed	1'34"				
.. overhang					
Bridge enclosed equivalent	141'33"	141'33"	7'6"	-	141'33"
.. overhang aft					
.. overhang forward					
Fore enclosed	38'58"	38'58"	7'6"	-	38'58"
.. overhang					
Trunk aft					
.. forward					
Tonnage opening aft					
.. forward					
Total	222'08"	221'41"			221'41"

Standard Height of Superstructure	7'5"
.. R.Q.D.	✓
Deduction for complete superstructure	42'
Percentage covered $\frac{S}{L} =$	52.8%
.. $\frac{S_1}{L} =$	52.64%
.. $\frac{E}{L} =$	52.64%
Percentage from Table, Line A.	✓
(corrected for absence of forecastle (if required))	
Percentage from Table, Line B.	38.64
(corrected for absence of forecastle (if required))	✓
Interpolation for bridge less than 2L (if required)	
Deduction =	42 × 38.64 = - 16.23

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	52.06	1		52.06	52.0	52.0	1		52.0
1/4 L from A.P.	23.16	4		92.64	23.1	23.1	4		92.4
1/4 L ..	5.725	2		11.45	6.1	6.1	2		12.2
Amidships	-	4		-	0	-	4		-
1/4 L from F.P.	11.45	2		22.90	11.9	11.9	2		23.8
1/4 L ..	46.32	4		185.28	47.4	47.4	4		189.6
F.P.	104.12	1		104.12	104.0	104.0	1		104.0
Total	215			468.45					474.0

Mean actual sheer aft =	} Standard.
Mean standard sheer aft =	
Mean actual sheer forward =	
Mean standard sheer forward =	
Length of enclosed superstructure forward of amidships =	> .1
.. aft of ..	= > .1

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{.75 - \frac{S}{2L}}{.486} \right) = \frac{5.55}{18} \left(\frac{.75 - .264}{.486} \right) = -.15$
If limited on account of midship superstructure.

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = 34'54" Summer freeboard = 9'73" Moulded draught (d) = 24'81" Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = 6'20" = 6 1/4" Addition for Winter North Atlantic Freeboard (if required) =	Deduction for Fresh Water. Displacement in salt water at summer load water line Δ = 12640 tons at 25'0" draft Tons per inch immersion at summer load water line T = 47.7 Deduction = $\frac{\Delta}{40 T}$ inches = 6.62 = 6 1/2"	TABULAR FREEBOARD corrected for Flush Deck (if required) 753 + 18 = 771 1.36 Correction for coefficient Depth Correction ... 19'50" Deduction for superstructures ... 16'23" Sheer correction15" Round of Beam correction ... - Correction for Thickness of Deck amidships ... - Other corrections, scantlings, etc. 6.62 50.97 24' - 9 3/4"	77.98 82.16 82.16 + 34.59 Summer Freeboard = 116.75
---	---	--	--

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood , Steel, Deck :—					
Tropical Fresh Water Line above Centre of Disc	12 3/4"	Tropical Fresh Water Freeboard ...	8' - 8"
Fresh Water Line	"	"	6 1/2"	Fresh Water	9' - 2 1/4"
Tropical Line	"	"	6 1/4"	Tropical	9' - 2 1/2"
Winter Line	below	"	6 1/4"	Winter	10' - 3"
Winter North Atlantic Line	—	—	—	Winter North Atlantic	—

25 JUN 1940

004684-004692-0415

Itola

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

42081

Poop

42.17

$$\text{Run} = \frac{2.54 \times 12.5}{23.67} = - 1.34$$

40.83
equiv

"AJOTI"

1A001 +

12208

34.6

34.6

34.6

34.6

34.6

34.6

WATERLINE

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

34.6

Trade of ship

ocean - going

Names of sister ships

{ Similar to "ITINDA" + "INDORA"

WM GRAY & Co N^o 1079 + 1080

Builder's name and yard number

WM GRAY & Co N^o 1102

Owners

BRITISH INDIA STM NAV. Co. LD.

Fee £

17



© 2020

Lloyd's Register Foundation