

Rpt. C.11 (Comp.)

LLOYD'S REGISTER OF SHIPPING SURVEYS FOR FREEBOARD

(COMPUTATION FOR STEAMER, ~~SAILING SHIP, TANKER~~)

For LONDON OFFICE ONLY

Received
 Index No.
 Govt. Copy
 Owners C11

Ship's Name UNITED SIX	Official Number	Nationality and Port of Registry PAKISTAN CHITTAGONG	Gross Tonnage 210.	Date of Build 3/64	Port of Survey KARACHI
Moulded Dimensions: Length 106'-11" Breadth 24'-0" Depth 9'-0"					Date of Survey 15th MARCH 1964
Freeboard Length To CENTRE OF RUDDER STOCK.					Surveyor's Signature KS Bootman for J. MACLEOD.
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) 470.2 488 tons					Particulars of Classification #100 A
Coefficient of fineness for use with Tables 0.87					FOR SERVICE AT CHITTAGONG

DEPTH FOR FREEBOARD (D).	DEPTH CORRECTION.	ROUND OF BEAM CORRECTION.
Moulded depth 9.00	(a) Where D is greater than Table depth (D-Table depth) R = (9.03 - 7.13) .822 = +1.56"	Moulded Breadth (B)
Stringer plate ... 375" ... .. .03	(b) Where D is less than Table depth (if allowed) (Table depth-D) R =	Standard Round of Beam = $\frac{B \times 12}{50} = 5.7"$
Wood Sheathing on exposed deck	If restricted by superstructures	Ship's Round of Beam $\frac{E \times 12}{50} = 4.0" 3.0$
$T \left(\frac{L-S}{L} \right) =$		Difference 1.7" 2.7"
Depth for Freeboard (D) = 9.03.		Restricted to
		Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) = +0.68"$

DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)
Poop enclosed					
" overhang					
R.Q.D. enclosed					
" overhang					
Bridge enclosed					
" overhang aft					
" overhang forward					
F'cle enclosed					
" overhang					
Trunk aft					
" forward					
Tonnage opening aft					
" " forward					
Total					

NONE

Standard Height of Superstructure _____
 " " R.Q.D. _____
 Deduction for complete superstructure _____
 Percentage covered $\frac{S}{L} =$ _____
 " " $\frac{S_1}{L} =$ _____
 " " $\frac{E}{L} =$ _____
 Percentage from Table, Line A. (corrected for absence of forecastle (if required)) _____
 Percentage from Table, Line B. (corrected for absence of forecastle (if required)) _____
 Interpolation for bridge less than .2L (if required) _____
 Deduction = **NIL.**

SHEER CORRECTION.

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.	20.69	1		20.69	24"	24.00	1		24.00
$\frac{1}{2}$ L from A.P.	9.21	4		36.84	0	0	4		0
$\frac{2}{3}$ L "	2.27	2		4.54	0	0	2		0
Amidships	0	4		0	0	0	4		0
$\frac{2}{3}$ L from F.P.	4.54	2		9.08	0	0	2		0
$\frac{1}{2}$ L "	18.42	4		73.68	0	0	4		0
F.P.	41.38	1		41.38	24"	24.00	1		24.00
Total				186.21					48.00

Mean actual sheer aft = **DEFICIENT**
 Mean standard sheer aft = **DEFICIENT**
 Mean actual sheer forward = **DEFICIENT**
 Mean standard sheer forward = **DEFICIENT**
 Length of enclosed superstructure forward of amidships = **DEFICIENT**
 " " aft of " = **SHEER**
 Correction = **+ 5.75"**
 If limited to maximum allowance of $\frac{1}{4}$ ins. per 100ft.

Deduction for Tropical Freeboard.
Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = **9.03** Ft.
 Summer freeboard = **1.83**
 Moulded draught (d) = **7.20**
 Keel allowance = _____
 Extreme draught = _____
 Deduction for Tropical freeboard and addition for = _____
 Winter freeboard = $\frac{d}{4}$ inches = **2**
 Addition for Winter North Atlantic Freeboard (if required) = _____

Deduction for Fresh Water.

Displacement in salt water at summer load water line $\Delta = 460$ LONG TONS.
 Tons per inch immersion at summer load water line $T = 5.95$ LONG TONS.
 Deduction = $\frac{\Delta}{40 T}$ inches = **1.93"**
 = **2"**

TABULAR FREEBOARD corrected for Flush Deck (if required) **12.29**

Correction for coefficient $\frac{0.87 + 0.68}{1.36} \times 1.55/1.36$ **14.01**

Depth Correction	...	...	...	1.56	-
Deduction for superstructures	...	...	...	-	-
Sheer correction	...	...	...	5.75	-
Round of Beam correction	...	...	...	0.68	-
Correction for Thickness of Deck amidships	...	...	...	-	-
Other corrections, scantlings, etc.	...	...	...	-	-
7.99	-	-	-	-	-

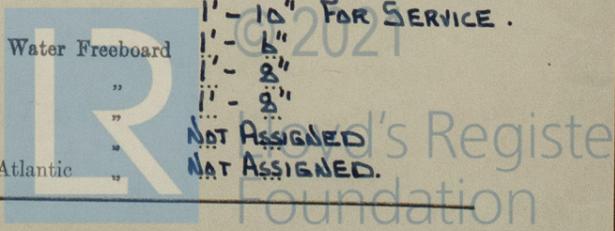
Summer Freeboard = **22.00**

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck :-

Tropical Fresh Water Line above Centre of Disc	...	4"	Tropical Fresh Water Freeboard	1'-10"
Fresh Water Line	...	2"	Fresh Water	1'-8"
Tropical Line	...	2"	Tropical	1'-8"
Winter Line below	...	2"	Winter	1'-8"
Winter North Atlantic Line	...	2"	Winter North Atlantic	1'-8"

FOR SERVICE.

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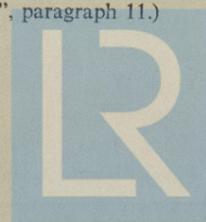


A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

Trade of ship CHITTAGONG HARBOUR LIMITS.
Names of sister ships ⁵⁰⁵⁴² UNITED ONE ⁵⁰¹¹⁹ UNITED TWO
Builder's name and yard number CARSTAIRS AND CUMMING LTD., YARD NO 6 50625
Owners UNITED ORIENTAL STEAMSHIP CO. LTD. KARACHI.
Fee Rs 624/-

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950", paragraph 11.)

MIDSHIP SECTION
DECK PLATING + HATCH COAMINGS. ↘



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