

Rpt. 211 (Comp.)
 Fort St. James
 36901
 ETC.

AMENDED COMPUTATION.

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING
 UNITED WITH THE BRITISH CORPORATION REGISTER
 SURVEYS FOR FREEBOARD
 (COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received
 Index No.
 Govt. Copy
 Owners CII

Ship's Name JAG VIJAY.	Official Number	Nationality and Port of Registry INDIAN BOMBAY	Gross Tonnage	Date of Build	Port of Survey
Moulded Dimensions: Length 417.35 Breadth 56.90 Depth 37.33 .					Date of Survey 17/9/52.
Freeboard Length					Surveyor's Signature
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) 16600 tons					Particulars of Classification +100A1.
Coefficient of fineness for use with Tables .771					

DEPTH FOR FREEBOARD (D).

Moulded depth	37.33
Stringer plate	.05
Wood Sheathing on exposed deck	-
$T \left(\frac{L-S}{L} \right) =$	-
Depth for Freeboard (D) =	37.38

DEPTH CORRECTION.

(a) Where D is greater than Table depth (D-Table depth) R = $(37.38 - 27.82) 3 = +28.68$

(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)	56.90
Standard Round of Beam = $\frac{B \times 12}{50}$	13.66
Ship's Round of Beam	14
Difference	.34
Restricted to	
Correction = $\frac{\text{Diff}^2}{4} \times \left(1 - \frac{S_1}{L} \right)$	- .09.

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					

FLUSH DECK.

Standard Height of Superstructure **7.50**

" " R.Q.D.

Deduction for complete superstructure **42.00**

Percentage covered $\frac{S}{L} =$

" " $\frac{S_1}{L} =$ } **NIL.**

" " $\frac{E}{L} =$

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.	51.73	1		51.73	55.00	55.00	1		55.00
$\frac{1}{2}L$ from A.P.	13.02	4		92.08	23.25	23.25	4		23.25
$\frac{3}{4}L$	5.69	2		11.38	6.50	6.50	2		6.50
Amidships	0	4		0	0	0	4		0
$\frac{3}{4}L$ from F.P.	11.38	2		22.76	11.63	11.63	2		23.26
$\frac{1}{2}L$	46.04	4		184.16	46.75	46.75	4		187.00
F.P.	103.47	1		103.47	105.00	105.00	1		105.00
Total				465.58					476.26

Mean actual sheer aft =

Mean standard sheer aft = } **Excess**

Mean actual sheer forward =

Mean standard sheer forward =

Length of enclosed superstructure forward of amidships = } **Flush deck.**

" " aft of " = }

Correction = $\frac{\text{Difference between sums of products}}{18} \left(.75 - \frac{S}{2L} \right) = \frac{10.68}{18} \times .75 = -.45$

If limited on account of midship superstructure. If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard.	Deduction for Fresh Water.	TABULAR FREEBOARD corrected for Flush Deck (if required)	83.21
Addition for Winter and Winter North Atlantic Freeboard.	Displacement in salt water at summer load water line	Correction for coefficient $\frac{.68 + .771}{1.36} = 1.451 / 1.36$	88.78
Depth to Freeboard Deck = 37.38	$\Delta =$	Depth Correction ...	28.68
Summer freeboard = 9.79	Tons per inch immersion at summer load water line	Deduction for superstructures ...	-
Moulded draught (d) = 27.59	T =	Sheer correction45
Keel allowance =	Deduction = $\frac{\Delta}{40 T}$ inches	Round of Beam correction09
Extreme draught =	= $7\frac{1}{4}$ "	Correction for Thickness of Deck amidships ...	-
Deduction for Tropical freeboard and addition for =	as previously assigned.	Other corrections, scantlings, to correspond to a summer moulded draught of 27.60 (actual 27.59)	.58
Winter freeboard = $\frac{d}{4}$ inches = 6.88 = 7"		Summer Freeboard = 117.50	29.26
Addition for Winter North Atlantic Freeboard (if required) = not assigned.			.54

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

Tropical Fresh Water Line above Centre of Disc	14 1/4"	Tropical Fresh Water Freeboard	9' - 9 1/2"
Fresh Water Line	7 1/4"	Fresh Water	8' - 7 1/4"
Tropical Line	7"	Tropical	9' - 2 1/4"
Winter Line below	7"	Winter	9' - 2 1/2"
Winter North Atlantic Line	7"	Winter North Atlantic	10' - 4 1/2"

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