

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

18 AUG 1953

77 AUG 1933

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build	Port of Survey
N <sup>u</sup> BURI	✓	Indonesian JAKARTA	✓	1953	TRIESTE
Moulded Dimensions: Length 160.79 <sup>T</sup> Breadth 30.85 <sup>T</sup> Depth { 16.58 <sup>T</sup> to shelter 8ft 9.71 <sup>T</sup> to main 8ft					Date of Survey. During construction
Moulded displacement at moulded draught = 85 per cent. of moulded depth 1509. to shelter tons 8ft 808. to main 8ft					Surveyor's Signature. <i>[Signature]</i>
Coefficient of fineness for use with Tables					Particulars of Classification 100 Δ 1 class contemplated

DEPTH FOR FREEBOARD (D).				DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth	...	...	...	9.71	(a) Where D is greater than Table depth (D—Table depth) R =	Moulded Breadth (B)	30.85
Stringer plate	...	...	...	0.022	(b) Where D is less than Table depth (if allowed) (Table depth—D) R =	Standard Round of Beam = $\frac{B \times 12}{50}$ =	
Sheathing on exposed deck						Ship's Round of Beam =	0.66
T $\left(\frac{L-S}{L}\right)$ =						Difference	
Depth for Freeboard (D) =					If restricted by superstructures	Restricted to	
						Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right)$ =	

## DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S) FEET	Equivalent Enclosed Length (S <sub>1</sub> )	Height FEET	Height Correction	Effective Length (E)
Poop enclosed ... ..	39.70		6.90		
" overhang ... ..	✓		✓		
R.Q.D. enclosed ... ..	39.70		3.92		
" overhang ... ..	✓		✓		
Bridge enclosed ... ..	10.83		6.90		
" overhang aft ... ..	30.71		6.90		
" overhang forward ... ..	✓		✓		
F'cle enclosed (sheer 5.5)	✓		6.90		
" overhang ... ..	✓		6.90		
Trunk aft ... ..	✓		✓		
" forward ... ..	✓		✓		
Tonnage opening aft ... ..	5.42		6.90		
" " forward ... ..	✓				
Total ... ..					

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 $\cdot 2L$ (if required)	
Deduction =	

### SHEER CORRECTION.

Station	Standard Ordinate	S M	Product	Actual Ordinate <i>inches</i>	Effective Ordinate	S M	Product
A.P. ...		1		18.898	✓	1	
$\frac{1}{8}$ L from A.P. ...		4		7.087	✓	4	
$\frac{2}{8}$ L " ...		2		1.181	✓	2	
Amidships ...		4		<del>8</del>		4	
$\frac{2}{8}$ L from F.P. ...		2		5.906	✓	2	
$\frac{1}{8}$ L " ...		4		22.441	✓	4	
F.P. ...		1		44.882	✓	1	
Total ...							

$$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$$
$$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} =$$
$$\frac{\text{Length of enclosed superstructure}}{L} \text{ forward of amidships} =$$

" " aft of " =

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

If limited on account of midship superstructure.

If limited to maximum allowance of  $1\frac{1}{2}$  ins. per 100 ft.

<p><b>Deduction for Tropical Freeboard.</b></p> <p><b>Addition for Winter and Winter North Atlantic Freeboard.</b></p> <p style="text-align: right; margin-right: 20px;">Ft.</p> <p>Depth to Freeboard Deck      =      _____</p> <p>Summer freeboard                      =      _____</p> <p>Moulded draught (d)      =      _____</p> <p>Deduction for Tropical freeboard and addition for</p> <p style="margin-left: 40px;">Winter freeboard = <math>\frac{d}{4}</math> inches =      _____</p> <p>Addition for Winter North Atlantic Freeboard (if required) =      _____</p>	<p style="text-align: center;"><b>Deduction for Fresh Water.</b></p> <p>Displacement in salt water at summer load water line</p> <p style="margin-left: 40px;"><math>\Delta</math> =      958      <math>\checkmark</math> tons</p> <p>Tons per inch immersion at summer load water line</p> <p style="margin-left: 40px;">T =      9.65      <math>\checkmark</math></p> <p>Deduction = <math>\frac{\Delta}{40 T}</math> inches</p> <p style="margin-left: 40px;">=      _____</p>	<p><b>TABULAR FREEBOARD</b> corrected for Flush Deck (if required)</p> <p>Correction for coefficient</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <th style="width: 50%;"></th> <th style="width: 10%; text-align: center;">+</th> <th style="width: 10%; text-align: center;">-</th> <th style="width: 30%;"></th> </tr> <tr> <td>Depth Correction      ...      ...      ...      ...</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Deduction for superstructures      ...      ...      ...</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sheer correction      ...      ...      ...      ...</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Round of Beam correction      ...      ...      ...</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Correction for Thickness of Deck amidships      ...</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Other corrections, scantlings, etc.      ...      ...</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right; padding-top: 10px;"> <b>Summer Freeboard =</b>      _____ </td> </tr> </table>		+	-		Depth Correction      ...      ...      ...      ...				Deduction for superstructures      ...      ...      ...				Sheer correction      ...      ...      ...      ...				Round of Beam correction      ...      ...      ...				Correction for Thickness of Deck amidships      ...				Other corrections, scantlings, etc.      ...      ...				<b>Summer Freeboard =</b> _____			
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**SUMMER FREEBOARD** amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck :—

Tropical Fresh Water Line above Centre of Disc	...	...	Tropical Fresh Water Freeboard
Fresh Water Line	"	"	Fresh Water
Tropical Line	"	"	Tropical
Winter Line below	"	"	Winter
Winter North Atlantic Line	"	"	Winter North Atlantic



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 status to be "cruising service" 43894  
Names of sister ships NAIRA - NUKAHA - NURAGE - NAIKO 44073  
Builder's name and yard number CANTIERI RIUNITI DELL'ADRIATICO yard n.º 1785  
Owners REPUBLIC OF INDONESIA

Fee £ see 1st country



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Foundation