TNPA MARINE SERVICES REQUEST FOR PROPOSAL [RFP] No:

FOR THE PROVISION OF: DRYDOCK OF TUG ORCA AND TUG LIZIBUKO FOR A ONCE-OFF PERIOD



_	DRYDOCKING IN PORT OF EAST LONDO	ON - 2024/2025			
	TASK 1 - TUG ORCA				T
tem no	Description	Unit	Qty	Rate	Amount
	SERVICES AND SURVEYS	1			
	SERVICES REQUIRED	D	0		1
	Provision of Fire Watch Man (8hrs/day) Provision of Hot Work Permit (8hrs/day)	Days	2		
	Provision of Non Destructive, Crack and Thickness Testing Where Needed	Days p/m	10		
	Mobile Crane (1 Ton) (4hrs/day)	Days	3		
)+			
2	ENGINE ROOM WORK				
2.1	VALVES				
2.1.1	Remove, Overhaul and Assemble Discharge Valves as Per South African Maritime Safety Authority Require	rements			
010	and; Remove: Overheul and Assemble Sustian Valves as Per Sames Requirements and:				
	Remove, Overhaul and Assemble Suction Valves as Per Samsa Requirements and; Renew all gaskets (non-metallic)				
	Pressure Test Certificates for Valves to Be Supplied for the following valves				
	All valves to be inspected by Surveyor, assembled and pressure tested/Certified to 4 bar.				
	LIST OF VALVES				
V1	Black Water Overboard Valve 100 NB	No.	1		
V2	Sewage Plant Overboard Valve 25 NB	No.	1		
	Grey Water Overboard Valve 50 NB	No.	1		
	A/C Plant Overboard Valve 32 NB	No.	1		
	General Service Pump Isolating Valve 100 NB	No.	1		
	Aft General Service Overboard Discharge Valve 80 NB	No.	1		-
	Fwd General Service Overboard Discharge Valve 80 NB	No.	1		
	Oily Water Separator Overboard Valve 25 NB Galley Overboard Valve 50 NB	No. No.	1		
	Starboard Fire Pump Isolating Valve (Butterfly - To Be Cleaned In Place) 303 NB	No.	1		
	Port Fire Pump Isolating Valve (Butterfly - To Be Cleaned In Place) 303 NB	No.	1		
	Main Sea Chest Vent Valves 50 NB	No.	2		
V13	Voith Vent Valves 25 NB	No.	2		
	Service Hydraulic Fuel Drop Valves	No.	4		
V15	Overhaul Miscellaneous Valves As Per Request 80 NB	No.	4		
	PIPING (Quote on schedule 40 for all)	Sizo	2m V Φ50mm		1
	Engine Room Sea Water Piping to Be Renewed Subject to Condition Engine Room Lubricating Oil Piping to Be Renewed Subject to Condition	Size Size	2m X Ф50mm 2m X Ф50mm		
	Engine Room Fresh Water Piping to Be Renewed Subject to Condition	Size	2m X Φ50mm		
	Engine Room Bilge Piping to Be Renewed Subject to Condition	Size	2m X Φ50mm		
	Engine Room Hydraulic Piping to Be Renewed Subject to Condition	Size	2m X Φ50mm		
	Engine Room Sewage Piping to Be Renewed Subject to Condition	Size	2m X Φ50mm		
	Engine Room Compressed Air Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm		
	Engine Room Fuel Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm		
2.3	BILGES				1
	Entire Engine Room Bilges to Be Washed and Cleaned	m ³	10		-
2.3.2	Bilges To Be Pumped Out After Cleaned	m ³	10		ļ
24	FIRE PUMP STRUM BOXES & STRAINERS				
2.4.1	Fire Pump Strum Boxes To Be Opened, Hp Cleaned & Inspected	No.	2		
	Renew Strum Box Anodes (X2)	No.	2		1
	Remove Strainer & Hp Wash	No.	2		
2.4.4	Hoist Up Strainer Housing To Access Butterfly Valve, If Necessary	No.	2		
2.4.5	Strum Box & Strainers To Be Painted With Coat Of Antifouling	No.	2		
	Strum Boxes With Strainers To Be Boxed Up After Completion	No.	2		
2.4.7	New Gaskets To Be Fitted (5mm Neoprene)	No.	2		
			1		T
	KEEL COOLERS	NI.			
	Flush Through Keel Coolers And Refill Renew Anodes (3kg)	No. No.	2 4		<u> </u>
		100.	. 4		
2.5.2	Light Scrapping (With Extreme Caution) To Remove Marine Growth Off Keel Coolers	No.	2		

Item no 2.6					
2.6	Description	Unit	Qty	Rate	Amount
	BOX COOLERS				
	Appropriate Chemical with MSDS Information To Be Supplied By Contractor				
	Remove/Refit Piping & Electrical Fittings In Way Of Coolers	No.	4 4		
	Pressure Tested In Situ To Check For Leaks Prior To Removal (1,5 Bar) Remove Coolers (X 4) - (Weight - 600 Kg Ea)	No. No.	4		
	Coolers To Be Chemically Cleaned (Soaked) & Pressure Tested 1,5 Bar (15 Mins)	No.	4		
	Anodes To Be Fitted On Cooler Bonnets (Replacement Anodes Supplied By Tnpa)	No.	4		
	Coolers To Be Refitted (Replacement Gaskets Supplied By Tnpa)	No.	4		
2.6.7	Pressurize System In Situ To Check For Leaks (15 Mins)	No.	4		
27					
	VARIOUS BRACKETS Brackets In ER To Be Renewed As Per Chief Engineers Instructions (200mm X 50mm MS)	No.	10		
	Brackets On Deck To Be Renewed As Per Masters Instructions (200mm X 50mm MS)	No.	10		
				•	
	MAIN FIRE PUMP			1	1
2.8.1	Repack Glands & Test When Afloat (16mm Graphite Packing)	No.	2		
2.9	HT & LT MAIN ENGINE ATTACHED PUMPS (MAN 8L 27/38)				
	Service Attached Pumps & Renew Defectives Parts As Necessary	No.	4		
	• • •			•	•
	FUEL TRANSFER MAIN ENGINE ATTACHED PUMPS (MAN 8L 27/38)			1	1
2.10.1	Service Attached Pumps & Renew Defectives Parts As Necessary	No.	2		
2.11	STANDBY LUBE OIL PUMPS (gp 185-125 G200)				
	Service Pumps X 2 & Electric Motors X 2	No.	2		
2.11.2	Renew Pump Couplings And Loctite (Tnpa To Supply Couplings)	No.	2		
2.11.3	Rewind Motor, As Necessary	No.	1		
	Service Pumps X 2 & Electric Motors X 2	No.	2		
	Rewind Motor, As Necessary	No.	1		
3	HULL AND SUPERSTRUCTURE WORK PREPARATION				
	*Cleaning Agent For Chemically Cleaning To Be Provided By Contractor				
	*MSDS Information To Be Provided For Chemicals				
3.1	HULL CLEANING				
	Barnicles to be scraped off entire hull	m²	150		
	Entire hull to be pressure washed (350bar)	m²	1200		
	Port & Stbd Box Coolers Seachest	No.	2		
	Port & Stbd Main Seachest Port & Stbd Keel Coolers	No. No.	2		
	Spot Blast Affected Areas Of Hull Including Inner And Outer Gunnel	m ²	600		
	Entire Exterior Hull Including Inner And Outer Gunnel To Be Pressure Washed (350bar)	m²	1200		
3.1.8					
	Remove Sea Chest Gratings For Cleaning, Blasting And Later Replaced (Remove Prior Blasting)	No.	22		
	Remove Sea Chest Gratings For Cleaning, Blasting And Later Replaced (Remove Prior Blasting) Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of		22 350		
3.1.9	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of	No.			
3.1.9 3.2	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES	No. m²	350		
3.1.9 3.2 3.2.1	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100)	No.			
3.1.9 3.2 3.2.1	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES	No. m ² No.	350		
3.1.9 3.2 3.2.1 3.2.2 3.3	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS	No. m² No. No. No.	350 100 100		
3.1.9 3.2.1 3.2.2 3.2.2 3.3.3 3.3.1	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS Remove Voith Inspections Covers	No. m² No. No. No. No. No.	350 100 100 2		
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3.1.9 3.2.1 3.2.1 3.3.1 3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.11 3.3.11 3.3.11 3.3.11 3.3.12 3.3.13 3.3.12 3.3.13 3.3.13 3.3.13 3.3.13 3.3.13 3.3.13 3.3.13 3.3.13 3.3.13 3.3.13.	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS Remove Voith Inspections Covers Hp Wash Rotor Casings Cut Out Docking Platform For Dropping Of Blades Descale Voith Rotor Wells, Rotor Table Sides & Table Tops Degrease & Hp Wash Voith Rotor Wells And Tables (After Repairs) Paint Voith Rotor Vells & Tables (1 X Primer, 1 X Undercoat) Paint Rotor Casings (Seaquantum Ultra Dark Red) (2 X Coats) Reweld Docking Platform After Voith Repairs Crack Detecting Tests To Be Done On All Welds For The Platform Repairs (Submit Report) Refit Voith Inspection Covers, Fit New Gaskets (Gaskets Supplied By Tnpa) Mechanically Clean Voith Blades DOCKING PLATFORM STRUTS Crack Detecting Tests To Be Done On All Welds (Submit Report) Repairs To Be Done On Welds	No. m² No.	350 100 100 2 2 4 2 2 2 4 2 2 4 2 2 10 2 10		
3.1.9 3.2 3.2.1 3.2.2 3.3 3.3.1 3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.4.2 3.5 5.5.1 5.5.2	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS Remove Voith Inspections Covers Hp Wash Rotor Casings Cut Out Docking Platform For Dropping Of Blades Descale Voith Rotor Wells, Rotor Table Sides & Table Tops Degrease & Hp Wash Voith Rotor Wells And Tables (After Repairs) Paint Rotor Casings (Seaquantum Ultra Dark Red) (2 X Coats) Reweld Docking Platform After Voith Repairs Crack Detecting Tests To Be Done On All Welds For The Platform Repairs (Submit Report) Refit Voith Inspection Covers, Fit New Gaskets (Gaskets Supplied By Tnpa) Mechanically Clean Voith Blades DOCKING PLATFORM STRUTS Crack Detecting Tests To Be Done On All Welds (Submit Report) Repairs To Be Done On Welds SKEG Lower Plug On Skeg To Be Removed And Check For Water Refit Plug & Renew Teflon Plug Washer If Necessary	No. m² No.	350 100 100 2 2 4 2 2 2 4 2 2 4 2 2 4 2 2 10 10 10 10 10 100 100 10		
3.1.9 3.2 3.2.1 3.2.2 3.3 3.3.1 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.4.4 2 5.5.1 5.5.2 3.6	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS Remove Voith Inspections Covers Hp Wash Rotor Casings Cut Out Docking Platform For Dropping Of Blades Descale Voith Rotor Wells, Rotor Table Sides & Table Tops Degreese & Hp Wash Voith Rotor Wells And Tables (After Repairs) Paint Rotor Casings (Seaquantum Ultra Dark Red) (2 X Coats) Reweld Docking Platform After Voith Repairs Crack Detecting Tests To Be Done On All Welds For The Platform Repairs (Submit Report) Refch Detecting Tests To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On Welds SKEG Lower Plug On Skeg To Be Removed And Check For Water Refit Plug & Renew Teflon Plug Washer If Necessary DOCKING GUARD	No. m² No.	350 100 100 2 2 4 2 2 2 4 2 2 2 4 2 2 10 10 1 1 1		
3.1.9 3.2 3.2.1 3.2.1 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.4.1 3.4.2 3.5.5 5.5.1 5.5.2 3.6.6 3.6.1	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS Remove Voith Inspections Covers Hp Wash Rotor Casings Cut Out Docking Platform For Dropping Of Blades Descale Voith Rotor Wells, Rotor Table Sides & Table Tops Degrease & Hp Wash Voith Rotor Wells And Tables (After Repairs) Paint Kotor Casings (Seaquantum Ultra Dark Red) (2 X Coats) Reweld Docking Platform After Voith Repairs Crack Detecting Tests To Be Done On All Welds For The Platform Repairs (Submit Report) Reft Plug Clean Voith Blades DOCKING PLATFORM STRUTS Crack Detecting Tests To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On Melds SKEG Lower Plug On Skeg To Be Removed	No. m² No. No.	350 100 100 2 2 4 2 2 4 2 2 4 2 2 10 1 1 1		
3.1.9 3.2 3.2.1 3.2.1 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.4.1 3.4.2 3.5.5 5.5.1 5.5.2 3.6.6 3.6.1	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS Remove Voith Inspections Covers Hp Wash Rotor Casings Cut Out Docking Platform For Dropping Of Blades Descale Voith Rotor Wells, Rotor Table Sides & Table Tops Degreese & Hp Wash Voith Rotor Wells And Tables (After Repairs) Paint Rotor Casings (Seaquantum Ultra Dark Red) (2 X Coats) Reweld Docking Platform After Voith Repairs Crack Detecting Tests To Be Done On All Welds For The Platform Repairs (Submit Report) Refch Detecting Tests To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On Welds SKEG Lower Plug On Skeg To Be Removed And Check For Water Refit Plug & Renew Teflon Plug Washer If Necessary DOCKING GUARD	No. m² No.	350 100 100 2 2 4 2 2 2 4 2 2 2 4 2 2 10 10 1 1 1		
3.1.9 3.2 3.2.1 3.2.1 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.2 3.3.3 3.3.4 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.4.1 3.4.2 3.5.5 5.5.1 5.5.2 3.6.6 3.6.1	Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of ANODES Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100) Replace Anodes With New After Paint Application PORT & STBD VOITH UNITS Remove Voith Inspections Covers Hp Wash Rotor Casings Cut Out Docking Platform For Dropping Of Blades Descale Voith Rotor Wells, Rotor Table Sides & Table Tops Degrease & Hp Wash Voith Rotor Wells And Tables (After Repairs) Paint Kotor Casings (Seaquantum Ultra Dark Red) (2 X Coats) Reweld Docking Platform After Voith Repairs Crack Detecting Tests To Be Done On All Welds For The Platform Repairs (Submit Report) Reft Plug Clean Voith Blades DOCKING PLATFORM STRUTS Crack Detecting Tests To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On All Welds (Submit Report) Repairs To Be Done On Melds SKEG Lower Plug On Skeg To Be Removed	No. m² No. No.	350 100 100 2 2 4 2 2 4 2 2 4 2 2 10 1 1 1	SUBTOTAL 2	

Item		11.7	01	D. f.	A
no	Description	Unit	Qty	Rate	Amount
	FENDERS			-	
	Remove All Tyre Fenders And Land On Dock Floor	No.	16		
	Repair/Replace Lugs	No.	10		
3.7.3	Refit Tyre Fenders On Completion Of Painting	No.	16		
3.8	MAST, WHEELHOUSE & SUPERSTRUCTURE (INC. YARDARMS, LADDERS & RAILINGS)				
	Chemically Clean	m²	400		
3.8.2	Mechanically Descale Affected Areas	m²	10		
	Renew Corroded/Damaged Steelwork (50kg)	kg	50		
3.8.4	Hp Wash After Mechanical Descale	m²	400		
20	MONKEY ISLAND & BRIDGE DECK (INC. LADDERS, RAILINGS & VENTS)				
	Chemically Clean	m²	200		
	Mechanically Descale Affected Areas	m²	10		
	Hp Wash After Mechanical Descale	m²	200		
	MAIN DECK (INCLUDING BITS, CRUCIFORM, WINCH PLATFORM)		000		
	Chemically Clean Mechanically Descale Affected Areas	m ²	200 10		
	Hp Wash After Mechanical Descale	m ² m ²	200		
5.10.5			200	Į	Į
3.11	WATER LINE TO GUNNNEL (INCLUDING INSIDE BULWARKS)				
	Chemically Clean	m²	200	_	
3.11.2	Mechanically Descale Affected Areas	m²	10		
3.11.3	Hp Wash After Mechanical Descale	m²	200		
	WHEELHOUSE SLIDING WINDOWS	N-	0	[
	Remove Sliding Windows Mechanically Descale Affected Areas Of Frames	No. m ²	8		
	Repair Frames (3190MM x 825MM)	No.	8		
	Paint As Per Wheelhouse Paint Specs	m ²	2		
	Renew Window Rubbers - To Be Tested For Leaks	No.	8		
3.12.6	Refit Locking Mechanisms	No.	32		
	EXHAUST FUNNELS		05		
	Wash Down Exhaust Funnels To Remove Salt (X2)	m ²	35		
	Remove Heat Shield & Mechanically Descale Affected Areas Of Exhaust Funnel & Heat Shield Wash Out/Degrease Entire Inner Space Of Exhaust Funnels (X 2)	m ² m ²	10 35		
	Retightened All Bolts & Nuts On All Flanges, Mountings And Shock Dampers. (Top & Bottom Spaces)	No.	2		
	Renew Corroded Steelwork (50kg)	kg	50		
4	PAINTING				
	MAST, WHEELHOUSE & SUPERSTRUCTURE (INC. YARDARMS, LADDERS & RAILINGS) Prime Affected Areas (Smartpack Red) First Coat	m²	10		
	Prime Affected Areas (Smartpack Reg) First Coat	m²	10		
	Apply Top Coat As Per Paint Spec (Hardtop XP White) Complete 2 Coats	m²	400		
				•	•
	MONKEY ISLAND & BRIDGE DECK (INC. LADDERS, RAILINGS & VENTS)				
	Prime Affected Areas (Smartpack Red) First Coat	m²	10		
	Prime Affected Areas (Smartpack Grey) Second Coat	m ²	10		
4.2.3	Apply Top Coat As Per Paint Spec (White/Green) Complete 2 Coats	m²	200	I	I
43	MAIN DECK (INCLUDING BITS, CRUCIFORM, WINCH PLATFORM)				
	Prime Affected Areas (Smartpack Red) First Coat	m²	10		
	Prime Affected Areas (Smartpack Grey) Second Coat	m²	10		
	Apply Top Coat As Per Paint Spec (Green) Complete 2 Coats	m²	200		
	WATER LINE TO GUNNNEL (INCLUDING INSIDE BULWARKS)	2	000	[
	Prime Affected Areas (Smartpack Red) First Coat	m ²	200 200		
	Prime Affected Areas (Smartpack Grey) Second Coat Apply Top Coat As Per Paint Spec (Black) Complete 2 Coats	m ² m ²	200 450		
1.7.0			100	ł	ł
4.5	HULL (INCLUDING SEA CHESTS)				
	Apply Primer As Per Paint Spec (90 Aliminium)	m²	750		
	Apply Undercoat (Tie-Coat) As Per Paint Spec (Safeguard Universal Es Plum)	m²	750		
	Apply Antifouling As Per Paint Spec (Seaforce Active Plus Light Red)	m ²	750		
	Apply Antifouling As Per Paint Spec (Seaforce Active Plus Dark Red)	m ²	750		
4.5.5	Draught And Plimsol Marks To Be Painted	m²	10	I	I
4.6	EXHAUST FUNNELS				
	Apply Full Coat As Per Paint Spec (1000c Aliminium)	m²	35		
	Apply Full Coat As Per Paint Spec (Solvalitt Black)	m²	35		
1				SUBTOTAL 3	

ltem no	Description	Unit	Qty	Rate	Amount
-	ENGINE ROOM FAN SPACES			1	1
4.7.1	Spot Blast Affected Area	m²	4		
	Prime Affected Areas As Per Paint Spec	m²	4		
4.7.3	Apply Top Coat As Per Paint Spec (Hardtop Xp White) Complete	m²	10		
4 0	EXTRA'S				
	Removal Of Debris	m²	5		
4.0.1			5		
5	TANKS				
	*Contractor To Provide For Gas Free Certificate Where Required.				
	*All Water Tanks & Void Space Plugs To Be Opened & Replaced On Completion				
	*All Water Tanks & Void Space Plugs Teflon Plug Washers To Be Replaced				
5.1	FRESH WATER TANK (O ² Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA)				
5.1.1	Fresh Water Tank To Be Drained	No.	1		
5.1.2	Open Fresh Water Tank And Ventilate	No.	1		
	Fresh Water Tank To Be Hp Cleaned	m²	38		
	Fresh Water Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red)	m²	10		
	Fresh Water Tank To Be Touched Up As Required (1 Coat Tankguard 412 White)	m²	10		
	New Gaskets To Be Made Up	No.	2		
	Fresh Water Manhole Covers To Be Refitted	No.	2		
	Inspect Condition Of Echo Sounder Cable Conduit Inside Tank	No.	1		
5.1.9	Replace Damaged Studs, As Necessary	No.	6		
	FOREPEAK TANK (0 ² Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA)		1	1	1
	Forepeak Tank To Be Drained	No.	1		
	Open Forepeak Tank And Ventilate	No.	1		
	Forepeak Tank To Be Cleaned	m²	50		
	Forepeak To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red)	m²	10		
	Forepeak To Be Touched Up As Required (1 Coat Tankguard 412 White)	m²	10		
	New Gaskets To Be Made Up	No.	1		
	Forepeak Tank Manhole Cover To Be Refitted	No.	1		
5.2.8	Replace Damaged Studs, As Necessary	No.	6		
	AFTPEAK TANK (O ² Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA)	NL	4		
	Aftpeak Tank To Be Drained	No.	1		
	Open Aftpeak Tank And Ventilate Aftpeak Tank To Be Cleaned	No. m²	1 40		
	Aftpeak Tank To be Cleaned Aftpeak Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red)	m²	40		
	Aftpeak Tank To Be Touched Up As Required (1 Coat Tankguard 412 White)	m²	10		
	New Gaskets To Be Made Up	No.	10		
	Aftpeak Tank Manhole Cover To Be Refitted	No.	1		
	Replace Damaged Studs. As Necessary	No.	6		
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54	DOUBLE BOTTOM FUEL TANKS				
	Open Double Bottom Fuel Tanks And Ventilate	No.	2		
-	Gas Free Certificate To Be Issued Before Entry	No.	1		
	Double Bottom Fuel Tanks To Be Cleaned (X2)	m ²	68		
	Double Bottom Fuel Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red)	m²	10		
	Double Bottom Fuel Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey)	m²	10		
	New Gaskets To Be Made Up	No.	2	1	
	Double Bottom Fuel Tanks Manhole Covers To Be Refitted	No.	2	1	
	Replace Damaged Studs, As Necessary	No.	6	1	
	I show a sheet second		. ·		
5.5	DIRTY OIL TANKS (O ² Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA)				
	Dirty Oil Tanks To Be Pumped Out	m²	5		
	Open Dirty Oil Tanks And Ventilate	No.	2		
	Dirty Oil Tanks To Be Cleaned	m²	16		
	Dirty Oil Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red)	m²	4		
	Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey)	m²	4		
	New Gaskets To Be Made Up	No.	2		
	Dirty Oil Tank Manhole Covers To Be Refitted	No.	2		
	Replace Damaged Studs, As Necessary	No.	6		
				SUBTOTAL 4	

ltem	Description	Unit	Qty	Rate	Amount
no			,		
	VOID SPACE (O ² Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA) Void Space Tank To Be Cleaned	m²	10		
	Void Space Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red)	m²	4		
	Void Space Tank To Be Touched Up As Required (1 Coat Tankguard 412 White)	m²	4		
	New Gaskets To Be Made Up	No.	2		
5.6.5	Void Space Tank Manhole Cover To Be Refitted	No.	2		
	Renew Flexi Hoses (Ø120 X 150mm, 5mm) & Heavy Duty Clamps On Keel Cooler Inside Tank	No.	4		
5.6.7	Replace Damaged Studs, As Necessary	No.	6		
57	FOAM TANK				
-	Supply Clean Tank/S To Store Foam During Tank Cleaning (Pumping Included)	m²	14	1	
	Pumping Of Foam To & From Shoreside Storage Tank (Discard Any Non-Usable Foam)	m²	10		
	Open Foam Tank And Ventilate	No.	2		
5.7.4	Gas Free Certificate To Be Issued Before Entry	No.	1		
	Foam Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red)	m²	4		
	Foam Tank To Be Touched Up As Required (1 Coat Tankguard 412 White)	m²	4		
-	New Gaskets To Be Made Up	No.	2		
	Foam Tank Manhole Cover To Be Refitted	No.	2		
5.7.9	Replace Damaged Studs, As Necessary	No.	6		
5.8	ANCHOR AND CHAIN				
	Anchor And Chain To Be Dropped And Ranged	No.	1		
	Anchor And Chain To Be Shot Blast If Required	No.	1		
	Anchor And Chain To Be High Pressure Cleaned	No.	1		
	Free Up Anchor Chain Swivel	No.	1		
	Chain Thickness Measurements To Be Taken (Submit Report) (5 Spots Per Shackle- 4 Shackles) Anchor To Be Painted (1 Coat "No Rust", 1 Coat Red Oxide, 1 Coat Hardtop Black)	No.	20		
	Entire Chain To Be Painted With Boiled Linseed Oil (2 Coats) Allow For Adequate Drying Time Between Coats	No.	2		
	Chain To Be Remarked (Red & White Paint)	No.	1		
	Chain And Anchor To Be Restowed	No.	1		
	Spare Anchor To Be Removed, Derusted & Painted. (1 Coat "No Rust", 1 Coat Red Oxide, 1 Coat Black)	No.	1		
5.8.11	Spare Anchor D-Shackle To Be Freed Up	No.	1		
5.9	CHAIN LOCKER				
	Manhole Cover To Be Removed	No.	1		
	Manhole Cover To Be Mechanically Descaled	m²	0.5		
	Manhole Cover To Be Washed And Painted (Smartpack Red)	m²	1		
	Mud To Be Removed And Disposed Of Chain Locker To Be Hp Washed	m² m²	1 4		
	Chain Locker To Be Mechanically Descaled	m²	1		
	Chain Locker To Be Painted Complete (Smartpack Red)	m²	4		
	Grids To Be Removed, Hp Washed And Painted (Smartpack Red) Then Refitted	No.	4		
5.9.9	Manhole Cover To Be Refitted With New Gasket	No.	1		
6	DECK WORK				
-					
	ANCHOR WINDLASS x 1		1		
-	Spot Blast Affected Areas	m ²	1		
	Apply Primer As Per Paint Spec Apply Top Coat As Per Paint Spec (1 Coat Hardtop As Green/Black)	m² m²	2		
	Renew All Hydraulic Pipes & Fittings As Necessary	No.	5		
6.1.5	Service Hydraulic Motor On Deck (Pay Special Attention To Coupling)	No.	1		
	Service Hydraulic Power Pack (Pay Special Attention To Coupling)	No.	1		
6.1.7	Service Control Valve	No.	1		
6.2	PORT HOLES x 7				
	Mechanically Descale Affected Areas	m²	1		
	Repair Sealing Surface If Necessary	No.	7		
6.2.3	Paint Sealing Surface & Window Boxes As Per Wheelhouse Paint Spec	m²	1		
6.2.4	Renew Rubbers	No.	7	1	
6.2	DAVIT CRANE x 1				
	Mechanically Descale Affected Areas	m²	0.5		
	Apply Primer As Per Paint Spec (Red, Grey)	m²	2		
6.3.3	Apply Top Coat As Per Paint Spec (2 Coats White)	m²	2		
.					
	WINCH Mechanically Descale Affected Areas	m ²	4	1	
	Apply Primer As Per Paint Spec (Red, Grey)	m² m²	4		
	Apply Top Coat As Per Paint Spec (2 Coats Green)	m²	4		
				SUBTOTAL 5	
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ltem no	Description	Unit	Qty	Rate	Amount
-	MISCELLANEOUS WORK				
7.1.1	Budget R100 000 For Unplanned Work Identified After Inspection	Prov. Sum	1	R 100 000.00	R 100 000.00
7.1.2	Budget For Skilled Labour	hrs.	20		
	Budget For Semi-Skiled Labour	hrs.	20		
	Budget For Machine Shop Cost	hrs.	20		
7.1.5	Assist CMEO And Voith Technician With Voith Health Check For 4hrs Per Day	Days	2		
	Signage And Stickers To Be Replaced After Painting Completed	No.	100		
	Budget For Skilled Labour Overtime For 3 Saturdays And 3 Sundays for 4hrs Per Day	Days	6		
	Scaffolding	Days	14		
7.1.9	She File, She Plan And Risk Assessment	Prov. Sum	1		
7.2.1	GENERAL CLEANING Provide Semi Skilled Labour 8 Hrs For Cleaning And Assisting TNPA Engine Room Staff	Days	10		
	METAL WORK Metal For Repairs	Ton	0.5	1	1
1.3.1	Initial For Repairs	1011	0.5		
	SUNDRIES DISBURSEMENTS				
8.1.1	Travelling Expenses	Days	31		
	Accomodation	Days	31		
8.1.3	Other Disbursements	Days	31		
				SUBTOTAL 6	
				SUBTUTAL 0	

NB: SUBTOTALS AT THE BOTTOM OF EACH PAGE TO BE CARRIED OVER TO PRICING SUMMARY

TASK 1 PRICING SUMMARY					
Subtotal 1					
Subtotal 2					
Subtotal 3					
Subtotal 4					
Subtotal 5					
Subtotal 6					
Total excl VAT					

item no	Description	Unit	Qty	Rate	Amount		
	DRYDOCKING IN PORT OF EAST LONDON - 2024/2	025	· · · · · ·		·		
TASK 2 - TUG LIZIBUKO							
tem no	Description	Unit	Qty	Rate	Amount		
	SERVICES AND SURVEYS						
-							
	SERVICES REQUIRED				I		
	Provision of Fire Watch Man (8hrs/day) Provision of Hot Work Permit (8hrs/day)	Days	2 2				
	Provision of Non Destructive, Crack and Thickness Testing Where Needed	Days p/m	10				
	Mobile Crane (1 Ton) (4hrs/day)	Days	3				
2	ENGINE ROOM WORK						
21	VALVES						
	Remove, Overhaul and Assemble Discharge Valves as Per South African Maritime Safety Authority Requirements						
' I I	and;						
	Remove, Overhaul and Assemble Suction Valves as Per Samsa Requirements and;						
	Renew all gaskets (non-metallic) Descence Test Costificates for Velues to De Supplied for the following velues						
	Pressure Test Certificates for Valves to Be Supplied for the following valves All valves to be inspected by Surveyor, assembled and pressure tested/Certified to 4 bar.						
	LIST OF VALVES						
V1	Black Water Overboard Valve 100 NB	No.	1				
	Sewage Plant Overboard Valve 25 NB	No.	1				
	Grey Water Overboard Valve 50 NB A/C Plant Overboard Valve 32 NB	No. No.	1				
	General Service Pump Isolating Valve 100 NB	No.	1				
	Aft General Service Overboard Discharge Valve 80 NB	No.	1				
	Fwd General Service Overboard Discharge Valve 80 NB	No.	1				
	Oily Water Separator Overboard Valve 25 NB	No.	1				
	Galley Overboard Valve 50 NB Starboard Fire Pump Isolating Valve (Butterfly - To Be Cleaned In Place) 303 NB	No. No.	1				
	Port Fire Pump Isolating Valve (Butterfly - To Be Cleaned In Place) 303 NB	No.	1				
	Main Sea Chest Vent Valves 50 NB	No.	2				
	Voith Vent Valves 25 NB	No.	2				
	Service Hydraulic Fuel Drop Valves	No.	4				
V15	Overhaul Miscellaneous Valves As Per Request 80 NB	No.	4				
2.2	PIPING (Quote on schedule 40 for all)						
	Engine Room Sea Water Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm				
	Engine Room Lubricating Oil Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm				
	Engine Room Fresh Water Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm				
	Engine Room Bilge Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm				
	Engine Room Hydraulic Piping to Be Renewed Subject to Condition Engine Room Sewage Piping to Be Renewed Subject to Condition	Size Size	2m X Ф50mm 2m X Ф50mm				
	Engine Room Compressed Air Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm				
	Engine Room Fuel Piping to Be Renewed Subject to Condition	Size	2m X Ф50mm				
	BILGES		40		1		
	Entire Engine Room Bilges to Be Washed and Cleaned Bilges To Be Pumped Out After Cleaned	m ³ m ³	10 10				
			10				
2.4	FIRE PUMP STRUM BOXES & STRAINERS						
	Fire Pump Strum Boxes To Be Opened, Hp Cleaned & Inspected	No.	2				
	Renew Strum Box Anodes (X2)	No.	2				
	Remove Strainer & Hp Wash Hoist Up Strainer Housing To Access Butterfly Valve, If Necessary	No. No.	2				
	Strum Box & Strainers To Be Painted With Coat Of Antifouling	NO.	2				
	Strum Boxes With Strainers To Be Boxed Up After Completion	No.	2		İ		
	New Gaskets To Be Fitted (5mm Neoprene)	No.	2				
2.5	KEEL COOLERS						
	Flush Through Keel Coolers And Refill	No.	2				
	Renew Anodes (3kg)	No.	4				
2.5.3	Light Scrapping (With Extreme Caution) To Remove Marine Growth Off Keel Coolers	No.	2				
					1		
				SUBTOTAL 1	I		

Item Description	Unit	Qty	Rate	Amount
no	onin	QLy	Nate	Anount
2.6 BOX COOLERS				
Appropriate Chemical with MSDS Information To Be Supplied By Contractor				
2.6.1 Remove/Refit Piping & Electrical Fittings In Way Of Coolers	No.	4		
2.6.2 Pressure Tested In Situ To Check For Leaks Prior To Removal (1,5 Bar)	No.	4		
2.6.3 Remove Coolers (X 4) - (Weight - 600 Kg Ea)	No.	4		
2.6.4 Coolers To Be Chemically Cleaned (Soaked) & Pressure Tested 1,5 Bar (15 Mins)	No.	4		
2.6.5 Anodes To Be Fitted On Cooler Bonnets (Replacement Anodes Supplied By Tnpa)	No.	4		
2.6.6 Coolers To Be Refitted (Replacement Gaskets Supplied By Tnpa)	No.	4		-
2.6.7 Pressurize System In Situ To Check For Leaks (15 Mins)	No.	4		
2.7 VARIOUS BRACKETS		10	1	т
2.7.1 Brackets In ER To Be Renewed As Per Chief Engineers Instructions (200mm X 50mm MS)	No.	10		
2.7.2 Brackets On Deck To Be Renewed As Per Masters Instructions (200mm X 50mm MS)	No.	10		
2.8 MAIN FIRE PUMP		-	1	т
2.8.1 Repack Glands & Test When Afloat (16mm Graphite Packing)	No.	2		<u> </u>
2.9 HT & LT MAIN ENGINE ATTACHED PUMPS (MAN 8L 27/38)	N.	4	1	т
2.9.1 Service Attached Pumps & Renew Defectives Parts As Necessary	No.	4		
2.10 FUEL TRANSFER MAIN ENGINE ATTACHED PUMPS (MAN 8L 27/38)	<u> </u>	^		т
2.10.1 Service Attached Pumps & Renew Defectives Parts As Necessary	No.	2		<u> </u>
2.11 STANDBY LUBE OIL PUMPS (gp 185-125 G200)		-		T
2.11.1 Service Pumps X 2 & Electric Motors X 2	No.	2		
2.11.2 Renew Pump Couplings And Loctite (Tnpa To Supply Couplings)	No.	2		
2.11.3 Rewind Motor, As Necessary	No.	1		<u> </u>
2.12 STANDBY HT & LT FRESH WATER PUMPS (STORK CB50-160)			1	Т
2.12.1 Service Pumps X 2 & Electric Motors X 2	No.	2		-
2.12.2 Rewind Motor, As Necessary	No.	1		
*MSDS Information To Be Provided For Chemicals 3.1 HULL CLEANING				
3.1.1 Barnicles to be scraped off entire hull	m²	150		1
3.1.2 Entire hull to be pressure washed (350bar)	m²	1200		-
3.1.3 Port & Stbd Box Coolers Seachest	No.	2		
3.1.4 Port & Stbd Main Seachest	No.	2		
3.1.5 Port & Stbd Keel Coolers	No.	2		
3.1.6 Spot Blast Affected Areas Of Hull Including Inner And Outer Gunnel	m²	600		
3.1.7 Entire Exterior Hull Including Inner And Outer Gunnel To Be Pressure Washed (350bar)	m²	1200		
3.1.8 Remove Sea Chest Gratings For Cleaning, Blasting And Later Replaced (Remove Prior Blasting)	No.	22		1
3.1.9 Clean Dock, Barnicles, Paint Flakes & Blasting Debris To Be Disposed Of	m²	350		
			1	J
3.2 ANODES				
3.2.1 Remove Existing Anodes (64 X Hull + 20 Vsp Units + 4 X Sea Strainers . Total 100)	No.	100		1
3.2.2 Replace Anodes With New After Paint Application	No.	100		
The second se			•	-
3.3 PORT & STBD VOITH UNITS				
3.3.1 Remove Voith Inspections Covers	No.	2		1
3.3.2 Hp Wash Rotor Casings	No.	2		1
3.3.3 Cut Out Docking Platform For Dropping Of Blades	No.	4		1
3.3.4 Descale Voith Rotor Wells, Rotor Table Sides & Table Tops	No.	2		
3.3.5 Degrease & Hp Wash Voith Rotor Wells And Tables (After Repairs)	No.	2		1
3.3.6 Paint Voith Rotor Wells & Tables (1 X Primer, 1 X Undercoat)	No.	2		1
3.3.7 Paint Rotor Casings (Seaquantum Ultra Dark Red) (2 X Coats)	No.	2		
3.3.8 Reweld Docking Platform After Voith Repairs	No.	4		
3.3.9 Crack Detecting Tests To Be Done On All Welds For The Platform Repairs (Submit Report)	No.	2	1	1
3.3.10 Refit Voith Inspection Covers, Fit New Gaskets (Gaskets Supplied By Tnpa)	No.	2		1
3.3.11 Mechanically Clean Voith Blades	No.	10		1
			•	•
3.4 DOCKING PLATFORM STRUTS				
3.4.1 Crack Detecting Tests To Be Done On All Welds (Submit Report)	No.	2		1
3.4.2 Repairs To Be Done On Welds	p/m	10		1
	P	-		
3.5 SKEG				
5.5.1 Lower Plug On Skeg To Be Removed And Check For Water	No.	1		T
5.5.2 Refit Plug & Renew Teflon Plug Washer If Necessary	No.	1	1	1
			1	L
3.6 DOCKING GUARD				
3.6.1 Remove Lower Plug And Check For Water	No.	1		T
3.6.2 Refit Plug & Renew Teflon Plug Washer If Necessary	No.	1		<u> </u>
			1	L
				T
			SUBTOTAL 2	
				4

ltem					
no	Description	Unit	Qty	Rate	Amount
	FENDERS			[
	Remove All Tyre Fenders And Land On Dock Floor Repair/Replace Lugs	No. No.	16 10		
	Refit Tyre Fenders On Completion Of Painting	No.	16		
	······				
	MAST, WHEELHOUSE & SUPERSTRUCTURE (INC. YARDARMS, LADDERS & RAILINGS)			(
	Chemically Clean Mechanically Descale Affected Areas	m ²	400		
	Renew Corroded/Damaged Steelwork (50kg)	m² kg	10 50		
	Hp Wash After Mechanical Descale	m ²	400		
	·				
	MONKEY ISLAND & BRIDGE DECK (INC. LADDERS, RAILINGS & VENTS)	2	200	[[
3.9.1	Chemically Clean Mechanically Descale Affected Areas	m ² m ²	200		
	Hp Wash After Mechanical Descale	m²	200		
	·				
	MAIN DECK (INCLUDING BITS, CRUCIFORM, WINCH PLATFORM)				
	Chemically Clean Mechanically Descale Affected Areas	m ² m ²	200 10		
	Hp Wash After Mechanical Descale	m²	200		
	WATER LINE TO GUNNNEL (INCLUDING INSIDE BULWARKS)	1			
	Chemically Clean	m²	200		
	Mechanically Descale Affected Areas Hp Wash After Mechanical Descale	m ² m ²	10 200		
0.11.0			200	L	L
	WHEELHOUSE SLIDING WINDOWS				
	Remove Sliding Windows	No.	8		
	Mechanically Descale Affected Areas Of Frames Repair Frames (3190MM x 825MM)	m² No.	2 8		
	Paint As Per Wheelhouse Paint Specs	m ²	2		
	Renew Window Rubbers - To Be Tested For Leaks	No.	8		
3.12.6	Refit Locking Mechanisms	No.	32		
	EXHAUST FUNNELS Wash Down Exhaust Funnels To Remove Salt (X2)	m ²	35		
	Remove Heat Shield & Mechanically Descale Affected Areas Of Exhaust Funnel & Heat Shield	m ² m ²	10		
	Wash Out/Degrease Entire Inner Space Of Exhaust Funnels (X 2)	m²	35		
	Retightened All Bolts & Nuts On All Flanges, Mountings And Shock Dampers. (Top & Bottom Spaces)	No.	2		
3.13.5	Renew Corroded Steelwork (50kg)	kg	50		
4	PAINTING				
-					
	MAST, WHEELHOUSE & SUPERSTRUCTURE (INC. YARDARMS, LADDERS & RAILINGS)				
	Prime Affected Areas (Smartpack Red) First Coat	m²	10		
	Prime Affected Areas (Smartpack Grey) Second Coat Apply Top Coat As Per Paint Spec (Hardtop XP White) Complete 2 Coats	m ² m ²	10 400		
4.1.5	Apply Top Coat AS Fel Faint Spec (nalutop XF White) Complete 2 Coats		400		
	MONKEY ISLAND & BRIDGE DECK (INC. LADDERS, RAILINGS & VENTS)				
	Prime Affected Areas (Smartpack Red) First Coat	m ²	10		
	Prime Affected Areas (Smartpack Grey) Second Coat	m ² m ²	10 200		
4.2.3	Apply Top Coat As Per Paint Spec (White/Green) Complete 2 Coats	1112	200		
4.3	MAIN DECK (INCLUDING BITS, CRUCIFORM, WINCH PLATFORM)				
4.3.1	Prime Affected Areas (Smartpack Red) First Coat	m²	10		
	Prime Affected Areas (Smartpack Grey) Second Coat	m²	10		
4.3.3	Apply Top Coat As Per Paint Spec (Green) Complete 2 Coats	m²	200		
4.4	WATER LINE TO GUNNNEL (INCLUDING INSIDE BULWARKS)				
4.4.1	Prime Affected Areas (Smartpack Red) First Coat	m²	200		
	Prime Affected Areas (Smartpack Grey) Second Coat	m²	200		
4.4.3	Apply Top Coat As Per Paint Spec (Black) Complete 2 Coats	m²	450		
4.5	HULL (INCLUDING SEA CHESTS)				
	Apply Primer As Per Paint Spec (90 Aliminium)	m²	750		
4.5.2	Apply Undercoat (Tie-Coat) As Per Paint Spec (Safeguard Universal Es Plum)	m²	750		
	Apply Antifouling As Per Paint Spec (Seaforce Active Plus Light Red)	m ²	750		
	Apply Antifouling As Per Paint Spec (Seaforce Active Plus Dark Red)	m ²	750 10		
4.0.0	Draught And Plimsol Marks To Be Painted	m²	IU		
4.6	EXHAUST FUNNELS				
4.6.1	Apply Full Coat As Per Paint Spec (1000c Aliminium)	m²	35		
4.6.2	Apply Full Coat As Per Paint Spec (Solvalitt Black)	m²	35		
<u> </u>					
				SUBTOTAL 3	

Description Unit 7 ENGINE ROOM FAN SPACES m² 2 Prime Alfacted Areas AS Per Paint Spec m² 3 Apply Top Coat AS Per Paint Spec (Hardop Xp White) Complete m² 3 Apply Top Coat AS Per Paint Spec (Hardop Xp White) Complete m² 5 TAMES 1 1 Removal Of Debris m² 5 TAMES ************************************	Qty 4 4 5 5 10 5 10 2 1 10 2 1 6 1 50 10 10 10 10 10 10 10 10 10 10 10 10 1 6		
1 Spot Biast Affected Area m² 21 Spot Biast Affected Area m² 33 Apply Top Cost As Per Paint Spec (Hardtop Xp White) Complete m² 34 EXTRA'S m² 5 TANKS contractor To Provide For Gas Free Certificate Where Required. "All Water Tanks & Void Space Plugs To Bo Opened & Replaced On Completion "All Water Tanks & Void Space Plugs To Bo Opened & Replaced On Completion "All Water Tank & Void Space Plugs To Bo Taken On Every Entry And Log To Be Kept For SAMSA) No. 1 Fresh Water Tank To Be Drained No. 2 Open Fresh Water Tank And Venilate No. 3 Fresh Water Tank To Be Buchanically Descaled And Primed (1 Coat Tankguard 412 Red) m² 1 Fresh Water Tank To Be Buchanically Descaled And Primed (1 Coat Tankguard 412 White) ma 3 Replace Condition Of Echo Sounder Cable Conduit Inside Tank No. 9 Replace Condition Of Echo Sounder Cable Conduit Inside Tank No. 9 Corepeak Tank No De Braings To Be Taken On Every Entry And Log To Be Kept For SAMSA) No. 1 Forepaker Tank No Core Roadings To Be Taken On Every Entry And Log To Be Kept For SAMSA) No. 2 Open Forgaek Tank To Be Drained No. 2 Forepeak Tank To Be Drained No. 2 Forepeak Tank To	4 10 5 1 1 38 10 10 2 2 1 1 6 1 1 50 10 10 10 10 11 1		
2 Prime Affected Areas As Per Paint Spec m ² 3 Apply Top Coat As Per Paint Spec (Hardtop Xp White) Complete m ² 8 EXTRA'S	4 10 5 1 1 38 10 10 2 2 1 1 6 1 1 50 10 10 10 10 11 1		
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11 Removal Of Debris m ² 5 TANKS "Contractor To Provide For Gas Free Certificate Where Required. "All Water Tanks & Void Space Plugs To Be Opened & Replaced On Completion "All Water Tanks & Void Space Plugs To Be Opened & Replaced On Completion 11 Fresh Water Tank (Q' Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA) 1 Fresh Water Tank To Be Drained No. 2 Open Fresh Water Tank To Be Drained No. 3 Fresh Water Tank To Be Borained No. 3 Fresh Water Tank To Be Borained No. 3 Fresh Water Tank To Be Borained No. 3 Fresh Water Tank To Be Douched Up As Required (1 Coat Tankguard 412 Red) m ² 5 Fresh Water Tank To Be Douched Up As Required (1 Coat Tankguard 412 White) No. 8 New Gaskets To Be Made Up No. 9 Fresh Water Tank And Ventilate No. 10 Groepeak Tank To Be Drained No. 2 Open Forepeak Tank And Ventilate No. 3 Forepeak Tank To Be Required (1 Coat Tankguard 412 Red) m ² 4 Forepeak Tank To Be Cleaned m ² 4 Forepeak Tank To Be Cleaned No. 7 Forepeak Tank To Be Cleaned No. 9 Forepeak Tank To Be Cleaned No. <t< td=""><td>1 1 38 10 10 2 2 1 6 1 6 1 1 50 10 10 10 1 1</td><td></td><td></td></t<>	1 1 38 10 10 2 2 1 6 1 6 1 1 50 10 10 10 1 1		
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2) Open Fresh Water Tank To Be Hp Cleaned No. 3) Fresh Water Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red) m² 4) Fresh Water Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 White) m² 5) Fresh Water Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 White) m² 6) Insepect Condition Of Echo Sounder Cable Conduit Inside Tank No. 7) Fresh Water Manhole Covers To Be Refitted No. 9) Replace Damaged Studs, As Necessary No. 2 Core PEAK TANK (O' Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA) 1) Foreipeak Tank To Be Cleaned No. 2) Open Foreipeak Tank And Ventilate No. 5) Foreipeak Tank To Be Cleaned m² 6) Foreipeak Tank To Be Cleaned m² 7) Foreipeak To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red) m² 7) Foreipeak Tank To Be Cleaned No. 8) Replace Damaged Studs, As Necessary No. 9 Artipeak Tank To Be Drained No. 1 Artex Tank To Be Drained No. 2) Open Aftipeak Tank And Ventilate No. No. 3) Aftipeak Tank To Be Tourined UP	1 38 10 2 2 1 6 1 1 50 10 10 10 1 1		
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.5 DIRTY OIL TANKS (O² Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA) .1 Dirty Oil Tanks To Be Pumped Out m² .2 Open Dirty Oil Tanks And Ventilate No. .3 Dirty Oil Tanks To Be Cleaned m² 4 Dirty Oil Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red) m² .5 Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey) m² .6 New Gaskets To Be Made Up No.	2		
11 Dirty Oil Tanks To Be Pumped Out m² 21 Open Dirty Oil Tanks And Ventilate No. 31 Dirty Oil Tanks To Be Cleaned m² 41 Dirty Oil Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red) m² 50 Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey) m² 6 New Gaskets To Be Made Up No.	6	1	<u> </u>
11 Dirty Oil Tanks To Be Pumped Out m² 21 Open Dirty Oil Tanks And Ventilate No. 31 Dirty Oil Tanks To Be Cleaned m² 41 Dirty Oil Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red) m² 50 Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey) m² 6 New Gaskets To Be Made Up No.			
2 Open Dirty Oil Tanks And Ventilate No. 3 Dirty Oil Tanks To Be Cleaned m² 4 Dirty Oil Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red) m² 5 Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey) m² 6 New Gaskets To Be Made Up No.			1
3 Dirty Oil Tanks To Be Cleaned m² 4 Dirty Oil Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red) m² 5 Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey) m² 6 New Gaskets To Be Made Up No.	5	1	<u> </u>
4. Dirty Oil Tanks To Be Mechanically Descaled And Primed (1 Coat Tankguard Storage Light Red) m² 5. Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey) m² 6. New Gaskets To Be Made Up No.	5	1	t
.5 Dirty Oil Tanks To Be Touched Up As Required (1 Coat Tankguard Storage Light Grey) m² .6 New Gaskets To Be Made Up No.	5 2 16		
	2		
7 Dist, Oil Taal, Markela Causer Ta Da Dafittad	2 16 4 4		
.7 Dirty Oil Tank Manhole Covers To Be Refitted No.	2 16 4 4 2		<u> </u>
.8 Replace Damaged Studs, As Necessary No.	2 16 4 4 2 2		└────
.6 VOID SPACE (O ² Readings To Be Taken On Every Entry And Log To Be Kept For SAMSA) .1 [Void Space Tank To Be Cleaned m ²	2 16 4 4 2		
2 Void Space Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red) m ²	2 16 4 2 2 6		<u> </u>
3 Void Space Tank To Be Touched Up As Required (1 Coat Tankguard 412 White) m ²	2 16 4 2 2 6 10		
4 New Gaskets To Be Made Up No.	2 16 4 2 2 6		
.5 Void Space Tank Manhole Cover To Be Refitted No.	2 16 4 2 2 6 10 4		
.6 Renew Flexi Hoses (Ø120 X 150mm, 5mm) & Heavy Duty Clamps On Keel Cooler Inside Tank No.	2 16 4 2 2 2 6 10 4 4		
7 Replace Damaged Studs, As Necessary No.	2 16 4 2 2 2 6 6 10 4 4 2		
	2 16 4 2 2 6 10 4 4 2 2 2 2 2 2 2 2 2 2 2 2 2		
	2 16 4 2 2 6 10 4 4 4 2 2 2 4		

ltem	Description	Unit	Qty	Rate	Amount
no					
	FOAM TANK Supply Clean Tank/S To Store Foam During Tank Cleaning (Pumping Included)	m²	14		
	Pumping Of Foam To & From Shoreside Storage Tank (Discard Any Non-Usable Foam)	m²	14		
	Open Foam Tank And Ventilate	No.	2		
	Gas Free Certificate To Be Issued Before Entry	No.	1		
	Foam Tank To Be Mechanically Descaled And Primed (1 Coat Tankguard 412 Red)	m²	4		
	Foam Tank To Be Touched Up As Required (1 Coat Tankguard 412 White)	m²	4		
	New Gaskets To Be Made Up	No.	2		
5.7.8	Foam Tank Manhole Cover To Be Refitted	No.	2		
5.7.9	Replace Damaged Studs, As Necessary	No.	6		
	ANCHOR AND CHAIN			1	
	Anchor And Chain To Be Dropped And Ranged	No.	1		
	Anchor And Chain To Be Shot Blast If Required	No.	1		
	Anchor And Chain To Be High Pressure Cleaned Free Up Anchor Chain Swivel	No.	1		
	Chain Thickness Measurements To Be Taken (Submit Report) (5 Spots Per Shackle- 4 Shackles)	No.	20		
	Anchor To Be Painted (1 Coat "No Rust", 1 Coat Red Oxide, 1 Coat Hardtop Black)	No.	20		
	Entire Chain To Be Painted With Boiled Linseed Oil (2 Coats) Allow For Adequate Drying Time Between Coats	No.	2		
	Chain To Be Remarked (Red & White Paint)	No.	1		
	Chain And Anchor To Be Restowed	No.	1		
	Spare Anchor To Be Removed, Derusted & Painted. (1 Coat "No Rust", 1 Coat Red Oxide, 1 Coat Black)	No.	1		
	Spare Anchor D-Shackle To Be Freed Up	No.	1		
5.9	CHAIN LOCKER				
5.9.1	Manhole Cover To Be Removed	No.	1		
5.9.2	Manhole Cover To Be Mechanically Descaled	m²	0.5		
	Manhole Cover To Be Washed And Painted (Smartpack Red)	m²	1		
	Mud To Be Removed And Disposed Of	m²	1		
	Chain Locker To Be Hp Washed	m²	4		
	Chain Locker To Be Mechanically Descaled	m²	1		
	Chain Locker To Be Painted Complete (Smartpack Red)	m²	4		
	Grids To Be Removed, Hp Washed And Painted (Smartpack Red) Then Refitted Manhole Cover To Be Refitted With New Gasket	No.	4		
5.9.9	Mannole Cover to be Reinled With New Gaskel	INU.	I		
6	DECK WORK				
6.1	ANCHOR WINDLASS x 1				
6.1.1	Spot Blast Affected Areas	m²	1		
6.1.2	Apply Primer As Per Paint Spec	m²	2		
	Apply Top Coat As Per Paint Spec (1 Coat Hardtop As Green/Black)	m²	1		
	Renew All Hydraulic Pipes & Fittings As Necessary	No.	5		
	Service Hydraulic Motor On Deck (Pay Special Attention To Coupling)	No.	1		
	Service Hydraulic Power Pack (Pay Special Attention To Coupling)	No.	1		
6.1.7	Service Control Valve	No.	1		
6.0	PORT HOLES x 7				
	Mechanically Descale Affected Areas	m²	1		
	Repair Sealing Surface If Necessary	No.	7		
	Paint Sealing Surface & Window Boxes As Per Wheelhouse Paint Spec	1NO. m ²	1		
	Renew Rubbers	No.	7		
0.2.1			ı	1	
6.3	DAVIT CRANE x 1				
	Mechanically Descale Affected Areas	m²	0.5		
	Apply Primer As Per Paint Spec (Red, Grey)	m²	2		
	Apply Top Coat As Per Paint Spec (2 Coats White)	m²	2		
	WINCH		-		
	Mechanically Descale Affected Areas	m²	4		
	Apply Primer As Per Paint Spec (Red, Grey)	m²	4		
6.4.3	Apply Top Coat As Per Paint Spec (2 Coats Green)	m²	4		
L					
1				SUBTOTAL 5	

ltem no	Description	Unit	Qty	Rate	Amount
7.1	MISCELLANEOUS WORK				
		-			
	Budget R100 000 For Unplanned Work Identified After Inspection	Prov. Sum	1	R 100 000.00	R 100 000.00
	Budget For Skilled Labour	hrs.	20		
	Budget For Semi-Skiled Labour	hrs.	20		
	Budget For Machine Shop Cost	hrs.	20		
	Assist CMEO And Voith Technician With Voith Health Check For 4hrs Per Day	Days	2		
	Signage And Stickers To Be Replaced After Painting Completed	No.	100		
	Budget For Skilled Labour Overtime For 3 Saturdays And 3 Sundays for 4hrs Per Day	Days	6		
	Scaffolding	Days	14		
7.1.9	She File, She Plan And Risk Assessment	Prov. Sum	1		
7.2.1	GENERAL CLEANING Provide Semi Skilled Labour 8 Hrs For Cleaning And Assisting TNPA Engine Room Staff	Days	10		
	METAL WORK	Ton	0.5	1	
1.3.1	Metal For Repairs	TON	0.5		
	SUNDRIES DISBURSEMENTS				
8.1.1	Travelling Expenses	Days	31		
8.1.2	Accomodation	Days	31		
8.1.3	Other Disbursements	Days	31		
	SUBTOTAL 6				

NB: SUBTOTALS AT THE BOTTOM OF EACH PAGE TO BE CARRIED OVER TO PRICING SUMMARY

TASK 2 PRICING SUMMARY				
Subtotal 1				
Subtotal 2				
Subtotal 3				
Subtotal 4				
Subtotal 5				
Subtotal 6				
Total excl VAT				

NB: TASK 1 AND TASK 2 PRICING SUMMARY TOTALS TO BE CARRIED OVER TO FINAL PRICING SUMMARY

FINAL PRICING SUMMARY					
Task 1 Summary (E	x VAT) :				
Task 2 Summary (E	x VAT) :				
15% VAT	:				
Total (incl. VAT)	:				



Compiled by:

Claudette Baley Marine Technical Manager -Engine: Ngqura Transnet National Ports Authority Date: 08.08.2024 Recommended / Not Recommended by:

Mar

Thuso Mguburgu Marine Operations Manager: Ngqura (Acting) Transnet National Ports Authority Date: 08.08.2024