

QATAR NAVIGATION (QPSC)

SHIP REPAIR & FABRICATION

Telephones

Office : 4771690 / 4771695

Fax : 4771687



INVOICE

Telex : 4206 DH

Cable : "NAVIGATION" Doha

Bank A/c: QNB Main Branch

P.O.Box 1000, Doha - Qatar

Swift Code : QNBAQAQA

QAR A/C No. 0013-000309-060

USD A/C No. 0013-000309-061

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QATAR ARMED FORCES

Doha - Qatar DOHA QA 37

INVOICE NO: SFWK/INV/012657/2021

DATE: 02/03/2021

EXPENSE A/C:

W/O NO: 21-010999 / 1

W/O REF: MDO 21005

Vessel Name/Description : TUG "AL JAROOF QNT-01"

Job No	Description	Line Amount
	CONTRACT NO: 2347/20.	
	TUG ARRIVED : 10-01-2021.	
	TUG DOCKED : 10-01-2021.	
	TUG UN DOCKED : 25-01-2021.	
	TUG SAILED : 25-01-2021.	
1100	BERTH PREPARATION, DOCKING AND UNDOCKING:- Berth prepared, TUG docked and undocked, including dock hire for first 2 days. As per standard schedule of rates, page no. 8.	5,760.00
1101	DRYBERTH HIRE:- Dryberth hire for remaining period (14 days). Based on standard schedule of rates, page no. 9 (QRs. 1,030.00 per day x 14 days = QRs.14,420.00).	14,420.00
1102	SERVICES:- A) Fire and safety watch provided. (QRs. 310.00 per day x 16 days = QRs. 4,960.00). B) Fire line provided including connection and disconnection. (QRs. 185.00 per day x 16 days + QRs. 255.00 = QRs. 3,215.00). C) Electrical shore power supplied (50 hz, 415v).	12,802.50

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Job No	Description	Line Amount
	(QRs. 255.00 per day x 16 days + QRs. 255.00 = QRs.4,335.00).	
	D) 4.5 Tons fresh water supplied as per signed delivery Note dated 25-01-2021.	
	(QRs. 65.00 per ton x 4.5 Tons = QRs.292.50).	
1150	ULTRASONIC THICKNESS MEASUREMENT:- A total of 200 spots Ultrasonic thickness gauging taken and report issued. (QRs. 15.00 per spot x 200 spots = QRs. 3,000.00).	3,000.00
1151	COOLING CHANNEL:- Included in Job No. 1150.	
1152	SCAFFOLDING:- scaffolding arranged for following location and later removed on completion of super structure and mast painting. Mast area scaffolding - 18 Cubic meters. Superstructure area scaffolding - 108 Cubic meters. (QRs. 30.00 per cubic meter x 126 cubic meters = QRs. 3,780.00).	3,780.00
1153	INSULATION:-	

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Job No	Description	Line Amount
	Both generator insulation inspected.	
1154	REPAIR OF FLAG HOISTING PILE:- Flag hoisting pile inspected, cleaned and Rope renewed. Scaffolding arranged for access. Rigger/Scaffolder:- QRs. 75.00 per hour x 44 Hours = QRs. 3,300.00. Material:- QRs. 240.00.	3,540.00
1155	REPAIR OF FLAG HOISTING PULLEY:- Included in Job No. 1154.	
1156	REPAIR OF CAPTAIN CHAIR AND SOFA:- Captain chair and sofa in wheel house removed, repaired by specialist subcontractor and fitted as per Navy instruction. Carpenter:- QRs. 75.00 per hour x 5 Hours = QRs. 375.00. Subcontractor:- QRs. 1,093.00.	1,468.00
1200	UNDERWATER AREA TRETMENT AND PAINTING:- Under water area (an approx. 285 square meters) treated and painted as follows. Hand scraped to remove marine growth (QRs. 855.00). H.P jet washed using fresh water (QRs. 2,280.00). sand sweeping to SA 1 (An approx. 30% of area) (QRs. 10,003.50). Hosed down with fresh water (QRs. 513.00).	17,499.00

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Job No	Description	Line Amount
	<p>Applied with full coat primer (QRs.855.00).</p> <p>Applied with 1 coat sealer (QRs.855.00) .</p> <p>Applied with 2 coats antifouling (QRs.2,137.50).</p> <p>As per standard schedule of rates, page No. 9 & 10.</p> <p>(All paints compositions owner's supplied used).</p>	
1201	<p>A) ABOVE WATER AREA TREATMENT AND PAINTING:-</p> <p>Above water area (75 square meters) treated and painted as follows.</p> <p>HP jet washed with fresh water (QRs. 825.00).</p> <p>Sand sweeping (QRs. 3,022.50).</p> <p>Hosed down with fresh water (QRs. 224.25).</p> <p>Applied onet/u coat (52140) Grey (QRs. 187.50).</p> <p>Applied one full top coat (52140) Grey (QRs. 318.75).</p> <p>As per standard schedule of rates, page No. 9 & 10.</p> <p>(All paints compositions owner's supplied used).</p> <p>B) PAINTING OF DRAUFGT MARK AND NAMES:-</p> <p>Vessel's name and draft marks Repainted using owner's supplied paint.</p> <p>As per standard schedule of rates, page No. 10. (QRs. 1,550.00).</p>	6,128.00
1202	<p>SUPER STRUCTURE AREA TREATMENT AND PAINTING:-</p> <p>Supper structure (an approx 80 square meters) treated and</p>	6,720.00

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Job No	Description	Line Amount
	<p>painted as follows:-</p> <p>Supper structure full sanded (QRs. 4,000.00).</p> <p>HP jet washed (QRs. 880.00).</p> <p>Protection covering with plastic and blue tape (QRs. 1,500.00).</p> <p>Applied one top coat (52140) Grey (QRs. 340.00).</p> <p>All paint compositions owner's supplied used).</p>	
1203	<p>ANCHOR CHAIN COMPATMENT AND FRESH WATER TANK CLEANING AND PAINTING:-</p> <p>A) Anchor chain compartment cleaned and painted.</p> <p>As per standard schedule of rates, page No. 12 (QRs. 2,575.00).</p> <p>B) Fresh water tank cleaned and painted.</p> <p>Painter:- QRs. 75.00 per hour x 18 Hours = 1,350.00</p> <p>Cleaner:- QRs. 48.00 per hour x 20 hours. = QRs. 960.00.</p> <p>Consumable:- QRs. 100.00.</p>	4,985.00
1204	<p>CLEANING AND PAINTING OF E/R ESCAPE HATCH AND SURROUNDING AREA:-</p> <p>Engine room escape hatch and surrounding area cleaned and painted.</p> <p>Painter:- QRs. 75.00 per hour x 16 Hours = QRs. 1,200.00.</p> <p>Consumable:- QRs. 80.00.</p>	1,280.00
1205	<p>PAINTING OF SHIP MAST:-</p> <p>Ship mast cleaned and painted.</p>	2,500.00

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Job No	Description	Line Amount
	Painter:- QRs. 75.00 pehour x 32 Hours = QRs. 2,400.00. Consumable:- QRs. 100.00.	
1206	CLEANING AND PAINTING OF BRIDGE INNER AREA:- Bridge inner area cleaned and painted. Painter:- QRs. 75.00 per hour x 48 hours = QRs. 3,600.00). Consumable:- QRs. 250.00.	3,850.00
1207	BULWARK INTERIOR AREA TRETMENT AND PAINTING:- Bulwark interior area sanded, cleaned, washed and painted. (All paints compositions owner's supplied used). Painter:- QRs. 75.00 per hour x 52 hours = QRs. 3,900.00. Consumable:- QRs. 300.00.	4,200.00
1208	TREATMENT AND PAINTING OF MAIN UPPER DECK:- Upper deck power cleaned and painted. Main deck sand blasted using garnet. Hosed down with fresh water. Applied with 1 full coat primer. Hatch area filler applied. Applied with 2 Full coats paint Painter/blaster:- QRs. 75.00 per hour x 104 hours = QRs. 7,800.00 Consumable:- QRs. 700.00.	8,500.00

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Job No	Description	Line Amount
1209	PAINTING OF RUBBER FENDER AREA:- Rubber fender around of Tug removed, existing paint removed sand blasting, damaged area repaired with putty and sanded, Carpenter/Painter/blaster:- QRs. 75.00 per hour x 48 hours = QRs. 3,600.00. Consumable:- QRs. 400.00.	4,000.00
1210	PROP SPEED:- Main propeller and bow thruster propeller applied prop speed as per Navy instruction. Painter:- QRs. 75.00 per hour x 32 hours = QRs. 2,400.00.	2,400.00
1250	PAINTING OF BILGES:- All bilges remaining water bailed out and area cleaned with cotton rags and applied with 1 Touch up coat paint. Cleaner:- QRs. 48.00 per hour x 64 hours = QRs. 3,072.00. Painter:- QRs. 75.00 per hour x 10 hours = QRs. 750.00. Consumable:- QRs. 200.00.	4,022.00
1350	ANCHOR AND CHAINS:- Anchors and anchor chain lowered (QRs. 1,030.00 x 2 nos. = QRs. 2,060.00). Anchor blasted and applied 1 coat Primer and 1 Top coat Grey (QRs. 650.00 x 2 nos. = QRs. 1,300.00) Chains H.P jet washed (QRs. 720.00 x 2 nos. = QRs. 1,440.00).	5,620.00

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Job No	Description	Line Amount
	Chains shots marked with red and white (QRs. 410.00 x 2 nos. = QRs. 820.00).	
	(All paint compositions owner's supplied used).	
1400	REPAIR OF PROPELLER SHAFT AND SEALS WITH BEARING:- Propellers (port and stbd) Kort nozzle clearance measured by feeler gauge. Witnessed by yard QC. Report submitted to client. (QRs. 515.00 per side x 2 sides = QRs. 1,030.00).	1,030.00
1401	REPAIR OF RUDDER SEAL AND BEARING:- Port and stbd rudder's seals and bearings are inspected. Found ok. witnessed by yard QC. Rudder (port and stbd) jumping clamps are removed and cleaned. Rudder stock clearance measured by feeler's gauge. witnessed by QC. Report submitted to client. As per standard schedule of rates, page No. 15. (QRs. 310.00 per side x 2 sides = QRs. 620.00).	620.00
1402	SHAFT AND PROPELLER CLEARANCE:- Job cancelled by client.	
1403	OVERHAULING OF VALVES:- Under water valves:-	2,690.00

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Job No	Description	Line Amount
	<p>1 No. Fire pump sea suction butterfly valve size DN300 removed and cleaned and rubber seat area grease applied in position . Pipe line removed for access and later refitted on completion. Open close operation checked. Found Ok. witnessed by yard QC.</p> <p>1 No. Fire line gate valve size 2" dia. removed from location and cleaned, found in good condition and refitted in position.</p> <p>Mechanic/Pipe fitter:- QRs. 88.00 per hour x 30 hours = QRs. 2,640.00.</p> <p>Consumable:- QRs. 50.00.</p>	
1404	<p>BOW THRUSTER AND SEA CHEST GRIDS:-</p> <p>A) Bow thruster Grids removed for access and later refitted on completion of inspection and painting.</p> <p>Mechanic:- QRs 88.00 x 24 Hours = QRs. 2,112.00.</p> <p>B) Fire pump sea grids removed for blasting, painting and cleaning. After completing all the works Sea grids fitted on position.</p> <p>(QRs. 465 x 2 Nos. = QRs. 930.00).</p>	3,042.00
1800	<p>ZINC ANODES:-</p> <p>Following welded type zinc anodes renewed using yard supplied anodes.</p> <p>Welded type Zinc anode size 4.5 Kgs. - 20 Nos. (QRs. 185.00 per piece x 20 Nos. = QRs. 3,700.00).</p> <p>Bolted type Zinc anode size 4.5 Kgs. - 2 Nos. (QRs. 185.00 per piece x 1.25 x 2 Nos. = QRs. 462.50).</p> <p>Welded type Zinc anode size 10.5 Kgs. - 20 Nos. (QRs. 380.00</p>	11,762.50

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Job No	Description	Line Amount
	per piece x 20 Nos. = QRs. 7,600.00).	
	Based on standard schedule of rates, page No. 12.	
1801	REPAIR OF FIFI LOCKER HYDRAULIC JACK:- Defective FIFI locker hydraulic jack disconnected. Owner supplied 2 Nos. new hydraulic jack fitted. 4 Nos. pad eye fabricated, fitted and welded(2 Nos. size each 35mm x 50mm x 8mm thickness and other 2 Nos. size each 75mm x 75mm x 8mm thickness. FIFI locker rubber beading renewed to size 40mm x 35mm x 2800mm long - 01 No. Fabricator/Welder:- QRs. 88.00 prer hour x 19 Hours = QRs. 1,672.00. Material consumable:- QRs. 568.00.	2,240.00
1802	RENEWAL OF ENGINE ROOM SOFT PALLET AND STEERING ROOM CARGO ESCAPE HATCH SEAL:- Engine room soft pallet and steering room cargo escape hatch seal replaced. Hatch cover rubber beading changed size 35mm x 30mm x 3800mm long. Fabricator:- QRs. 88.00 prer hour x 24 Hours = QRs. 2,112.00. consumable:- QRs. 395.00.	2,507.00
1803	REPAIR OF BRIDGE AND ENGINE ROOM DOORS:- Bridge door's existing damaged rubber beading removed and new packing installed to size 40mm x 35mm x 4800mm long.	2,287.00

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Job No	Description	Line Amount
	Engine room water tight door rubber beading removed, cleaned, repaired and refitted the same.	
	Fabricator:- QRs. 88.00 prer hour x 24 Hours = QRs. 2,112.00. Material/consumable:- QRs. 175.00.	
1804	FORWARD HATCHES:-	2,212.00
	Fwd. area 2 Nos. water tight hatch rubber packing replaced to size each 45mm x 35mm x 2600mm long.	
	Fabricator:- QRs. 88.00 prer hour x 24 Hours = QRs. 2,112.00. Material/consumable:- QRs. 100.00.	
1805	REPAIR OF CARGO HATCH COVER COAMING AREA:-	1,370.00
	Existing cargo escape hatch cover coaming cut and removed. New flat bar fitted and welded. Coaming size 1000mm long x 45mm width x 8mm thick M.S. flat bar. Hatch cover rubber beading changed. 35mm X 30mm. 3800mm long.	
	Fabricator/Welder:- QRs. 88.00 prer hour x 15 Hours = QRs. 1,320.00. Material/consumable:- QRs. 50.00.	
2200	REPAIR OF WHEEL HOUSE DOOR LOCK:-	
	Job has been cancelled.	

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Vessel Name/Description : TUG "AL JAROOF QNT-01"

Job No	Description	Line Amount
2201	REPAIR OF WHEEL FRONT GLASS:- Sea water leakage from wheel house front glass port and stbd., same repaired sika flex. Carpenter:- QRs. 75.00 per hour x 20 Hours = QRs. 1,500.00. Consumable:- 138.00.	1,638.00
2400	CLEANING OF SEWAGE TANK:- 1 No. manhole opened and later refitted on completion. Remaining water bail out debris scraped, removed and disposed. Cleaner:- QRs. 48.00 per hour x 46 hours = QRs. 2,208.00. Consumable:- 100.00.	2,308.00
5050	OVERHAULING OF MAIN ENGINE GEAR BOX COOLER:- Two no of main engine gear box oil coolers (port and stbd) removed from location and brought to workshop. Angle bars cut and removed for access and later refitted and welded on completion of cooler works. End covers removed and tube bundles chemical cleaned and buffed. Cooler inspected. Coolers assembled with yard supplied new O-rings and gaskets. Coolers Pressure tested at 4 bar pressure and found no. leakage. Report submitted to Client. Coolers shifted to on-board and installed back on position. witnessed by client. Mechanic/fabricator/welder:- QRs. 88.00 per hour x 101 hours = QRs. 8,888.00. Consumable:- 907.00.	9,795.00

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for QATAR NAVIGATION (Q.S.C)

SHIP REPAIR, FABRICATION & ENGINEERING DIVISION

This is a computer generated invoice and no signature/stamp required.

Any discrepancy on this document should be notified to us within 3 working days from the receipt of the document.

QATAR NAVIGATION (QPSC)

SHIP REPAIR & FABRICATION

Telephones

Office : 4771690 / 4771695

Fax : 4771687



INVOICE

Telex : 4206 DH

Cable : "NAVIGATION" Doha

Bank A/c: QNB Main Branch

P.O.Box 1000, Doha - Qatar

Swift Code : QNBAQAQA

QAR A/C No. 0013-000309-060

USD A/C No. 0013-000309-061

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QATAR ARMED FORCES

Doha - Qatar DOHA QA 37

INVOICE NO: SFWK/INV/012657/2021

DATE: 02/03/2021

EXPENSE A/C:

W/O NO: 21-010999 / 1

W/O REF: MDO 21005

Vessel Name/Description : TUG "AL JAROOF QNT-01"

Job No	Description	Line Amount
5051	<p>MAIN ENGINE ROUTINE:-</p> <p>Port and stbd main engine lube oil 450lit/engine was drained. Client supplied new lube oil -450Lis/engine filled back to both engines.</p> <p>4no of lube oil filters/Engine old filters removed and Client supplied new lub oil filters fitted.7 Nos. Fuel oil filters renewed.</p> <p>DG (port and Stbd) lube oil 20l/Engine drained and Client supplied new lube oil(15W 40)-20l/engine refilled.</p> <p>Lube oil filters -2nos removed from both engines and replaced with client supplied new lube oil filters.</p> <p>Port and stbd engine gear box oil 60L/engine gear box drained out and client supplied new gear oil (1330-MOBIL) -60L/engine gear box was refilled.</p> <p>Mechanic:- QRs. 88.00 per hour x 65 hours = QRs.5,720.00.</p> <p>consumable:- QRs. 170.00.</p>	5,890.00
5600	<p>REPAIR OF FIRE FIGHTING PUMP ENGINE COOLING SYSTEM:-</p> <p>Fire fighting pump engine cooling system checked found internal leak witness by ship crew.</p> <p>Mechanic:- QRs. 88.00 per hour x 8 hours = QRs.704.00.</p>	704.00
5601	<p>REPAIR OF FUEL PUMP AND CYLINDER HEAD:-</p> <p>Fuel pump generator heat exchanger removed from location and brought to workshop,dismantled and removed the tube bundle. Chemical cleaned and buffed. Heat exchanger assembled with yard supplied new Orings. Carried out pressure test 2bar. found no leaks. witnessed by yard QC and report submitted to client.</p>	3,182.00

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Vessel Name/Description : TUG "AL JAROOF QNT-01"

Job No	Description	Line Amount
	Mechanic:- QRs. 88.00 per hour x 34 hours = QRs. 2,992.00. Consumable:- QRs. 190.00.	
6000	RENEWAL OF MAIN FIRE FIFI PUMP DISCHARGE PIPE LINE:- FIFI pump corroded discharge pipe line removed, new fabricated and fitted. Using following sections. 6" dia. sch 80 ms spool pipe x 1400 mm long provided with one bend 1 No. 6" flange and 1 No. 5" dia. flange, 1 No. 6" x 5" dia. reducer and 1 No. branches size each 2" dia., sch 80. ms pipe x 100mm long with 1 flange. 1 No. branch size 3/4" dia. x 100mm long with flange. 1 3/4" MS Socket -1 No. 2" dia. MS Pipe spool pipe x 900 mm long with 03 bend and 02 flanges removed and refitted. 1 1/2" dia. MS Pipe spool x 1800 mm long with 04 bend and 02 flanges renewed Pipe fitter:- QRs. 88 Per hour x 67 hours = QRs. 5,896.00. materials:- QRs. 1,350.00.	7,246.00
7000	ECHO SOUNDER:- Echo sounder & Echo sounder sensor cleaned, using CRC, and cotton rags and angle brush. Electrician:- QRs. 88.00 per hour x 4 Hours. = QRs. 352.00. Consumable:- QRs. 80.00.	432.00
7001	REPAIR OF NAVIGATION LIGHT PANEL:- Job has been cancelled.	

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Vessel Name/Description : TUG "AL JAROOF QNT-01"

Job No	Description	Line Amount
7002	REPAIR OF ENGINE ROOM FIRE ALARM:- Job has been cancelled.	
7003	REPAIR OF FM 200 SYSTEM:- Job has been cancelled.	
7004	REPAIR OF D/G MAIN BREAKERS:- Job has been cancelled.	
7005	MAIN SWITCH BOARD 24 VOLT PANEL:- Job identified with navy staff. OFF the power supply of the panel and open the panel door. Removed all dust by angle brush and portable air blower. After that clean by CRC. Found satisfactory. As per standard, schedule of rates, page No. 23.	1,650.00
7006	REPAIR OF STBD. DIESEL GENERATOR BREAKER:- Job has been cancelled.	
7007	REPAIR OF WASH ROOM EXHAUST FAN:- Job has been cancelled.	

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Vessel Name/Description : TUG "AL JAROOF QNT-01"

Job No	Description	Line Amount
7008	CHECKING OF BOW THRUSTER HYDROLIC MOTOR PANEL:- Job identified with navy staff. Checked all wiring. We found f14 signal in the display. Found 24v not available to the circuit. 24v breaker ON. After that we checked. Faulty signal stop. Found satisfactory. Electrician:- QRs. 88.00 Per hour x 8 Hours = QRs. 704.00.	704.00
8000	POLISHING OF PROPELLERS:- Port and stbd. side propellers cleaned and polished using 60 grade sanding disc. Based on standard schedule of rates, page No. 13. (QRs. 1,340.00 per piece x 2 nos. = QRs. 2,680.00).	2,680.00
8001	POLISHING OF BOW THRUSTER PROPELLERS:- Bow thruster propeller cleaned and polished with 60 grade sanding disc at site. (approximate 630mm in diameter, 04 nos blade.) erected staging before start the job, removed after completion of the job. Based on standard schedule of rates, page No. 13. (QRs. 515.00 per piece x 2 nos. = QRs. 1,030.00).	1,030.00
	Encl:-	
	Payment within 30 days net after that 1% interest shall be applied every	

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Job No	Description	Line Amount
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month.

Note:-

- Copy of signed fire and safety section work completed report (2 nos).
- Copy of signed gas free certificate (2 nos).
- Copy of signed fresh water delivery receipt (2nos).
- Copy of ultrasonic thickness measurement report.
- Copy of signed work completed report.

Invoice Amount -->

183,494.00

(QAR - One Hundred Eighty-Three Thousand Four Hundred Ninety-Four Only)

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