

## QATAR NAVIGATION (QPSC)

## SHIP REPAIR &amp; 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/012720/2021

DATE: 29/04/2021

EXPENSE A/C:

W/O NO: 21-011106 / 1

W/O REF: MDY21082

Vessel Name/Description : (MRTP16)NAVY FIBER GLASS BOAT "Q-49"[Contract no 2347/20]

Job No	Description	Line Amount
	Boat arrived : 07-04-2021. Boat docked : 07-04-2021. Boat undocked : 18-04-2021. Boat sailed : 18-04-2021.	
1100	BERTH PREPARATION, DOCKING AND UNDOCKING :-  Berth prepared, boat 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 (10 days).  Based on standard schedule of rates, page no. 8 (QRs. 1,030.00 per day x 10 days = QRs. 10,300.00).	10,300.00
1102	SERVICES :-  A) Fire and safety watch provided. (QRs. 310.00 per day x 12 days = QRs. 3,720.00).  B) Fire line provided including connection and disconnection. (QRs. 185.00 per day x 12 days + QRs. 255.00 = QRs. 2,475.00).	6,195.00
1150	SCAFFOLDING :-  Scaffolding arranged at aft. Transom area an approx. 48 cubic meters.	1,200.00

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Vessel Name/Description : (MRTP16)NAVY FIBER GLASS BOAT "Q-49"[Contract no 2347/20]

Job No	Description	Line Amount
	(QRs. 25.00 per cubic meter x 48 cubic meters = QRs. 1,200.00).	
1157	N.A	
1160	N.A	
1200	UNDERWATER AREA TREATMENT AND PAINTING :-  Under water area (120 square meters) treated and painted as follows. Hand scrapped to remove marine growth (QRs. 360.00). HP jet washed using fresh water (QRs. 960.00). Damaged paint area power tool cleaned 40% of area. (QRs. 2,400.00). Hosed down with fresh water (QRs. 216.00). Applied with two T/U coat primer (QRs.384.00). Applied one T/U coat antifouling. (QRs.192.00). Applied one coat antifouling. allow minimum 300 square meters (QRs.1,125.00).  (All pants compositions supplied by shipyard, included in Job No. 7500).	5,637.00
1201	ABOVE WATER AREA WASHING AND POLISHING :-  Above water area treated and painted as follows. HP jet washed using fresh water. Polished using 3m Polishing materials and machine.  Painter:- QRs. 75.00 per hour x 47 hours = QRs. 3,525.00. Consumable:- QRs. 220.00.	3,745.00

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Job No	Description	Line Amount
1202	PAINTING OF AFT TRANSOM :-  Aft transom area full Sanded and cleaned. Applied with one touch up coat primer. Applied with off-white antifouling. (All paints supplied by ship yard (Included in job No. 7500.00)).  Painter :- QRs. 75.00 per hour x 32 hours = QRs. 2,400.00. Consumable:- QRs. 150.00.	2,550.00
1203	CLEANING AND PAINTING OF SEA WATER SUCTION SS UNIT :-  Aft area SS sea water suction unit cleaned and painted.  Painter:- QRs. 75.00/hour x 10 hours = QRs. 750.00. Consumable:- QRs. 50.00.	800.00
1204	CLEANING AND PAINTING OF LINES AROUND OF BOAT :-  Around of boat line cleaned sanded and painted (one line gray and one line black) Painter:- QRs. 75.00 per hour x 20 Hours = QRs. 1,500.00 Consumable = QRs. 100.00.	1,600.00
1205	PAINTING OF EXHAUST MANIFOLD WITH FLAPS :-  Port and stbd. side exhaust manifold with flaps cleaned and applied with primer and top coat Epoxy.	630.00

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Job No	Description	Line Amount
	Painter:- QRs. 75.00/hour x 8 hours = QRs. 600.00. Consumables:- QRs. 30.00.	
1206	PROP SPEED :-  Propellers and steering rudders, stern tubes with gear unit hubs applied prop speed as per Navy instruction using yard supplied 4 Nos. propspeed.  Painter:- QRs. 75.00/hour x 36 hours = QRs. 2,700.00. Consumables:- QRs. 6,586.00.	9,286.00
1207	CLEANING AND POLISHING OF WHEEL HOUSE :-  Wheel house from out side cleaned and polished.  Painter:- QRs. 75.00/hour x 48 hours = QRs. 3,600.00. Consumables:- QRs. 300.00.	3,900.00
1208	CLEANING AND PAINTING OF CHAIN LOCKER :-  Chain locker cleaned and painted.  As per standard schedule of rates, page no. 12.	2,575.00
1209	N.A	
1250	BILGES :-  <del>Bilges of tank room, engine room and steering room cleaned and</del>	8,519.00

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Job No	Description	Line Amount
	<p>painted.</p> <p>Painter:- QRs. 75.00 per hour x 35 hours = QRs. 2,625.00.</p> <p>Cleaner:- QRs. 48/ hour x 113 hours = QRs. 5,424.00.</p> <p>Consumable:- QRs. 470.00.</p>	
1350	<p>CLEANING AND PAINTING OF ACHOR AND CHAIN :-</p> <p>Job has been cancelled.</p>	
1400	<p>CLEANING OF STRAINER FILTERS :-</p> <p>Following 4 Nos. sea suction strainers removed, brought to work shop, chemical cleaned and washed.</p> <p>Strainers returned to vessel, refitted in position with yard supplied gaskets and M10 x 90mm long stainless steel bolts.</p> <p>Main engine strainer size 4" dia. - 2 No.</p> <p>Generator Engine Strainer size 2" dia. - 1 No.</p> <p>A/C Strainer size 2" dia. - 1 No.</p> <p>Mechanic:- QRs. 88.00/hour x 35 hours = QRs. 3,080.00.</p> <p>Consumables:- QRs. 260.00.</p>	3,340.00
1401	<p>STEERING GAUGE WIRE :-</p> <p>Job has been cancelled.</p>	
1402	<p>RENEWAL OF TRIM GAUGE WIRE :-</p> <p>Job has been cancelled.</p>	

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Job No	Description	Line Amount
1403	<p>UNDER WATAR VALVE :-</p> <p>Following valves open/close operational test carried out in presence of owner's representative and found all valves in good condition.</p> <p>Steering room sea water valves :-            Butterfly valve size 4" dia. -2 Nos.            Butterfly valve size 2 1/2" dia. - 3 Nos.            Ball valve size 1 " dia. - 4 Nos.            Ball valve size 1/2 " dia. - 3 Nos.</p> <p>Mechanic:- QRs. 88.00/hour x 16 hours = QRs. 1,408.00.            Consumables:- QRs. 50.00.</p>	1,458.00
1404	<p>PROPELLER NUT :-</p> <p>Job cancelled.</p>	
1405	<p>THRUST BALL RETAINER :-</p> <p>TJob cancelled.</p>	
1406	<p>SOCKET TRIM AND STEERING CYLINDER BOLTS :-</p> <p>Job cancelled.</p>	
2250	<p>REPAIR OF RUBBER FENDER :-</p> <p>Rubber fender checked and damaged rubber fender cut, removed and owner's supplied fender fitted in position.</p>	3,240.00

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Vessel Name/Description : (MRTP16)NAVY FIBER GLASS BOAT "Q-49"[Contract no 2347/20]

Job No	Description	Line Amount
	Scaffolding arranged for access and later removed on completion.	
	Carpenter/ Scaffolders:- QRs. 75.00 per hour x 40 Hours = QRs. 3,000.00.	
	Consumable:- QRs. 240.00.	
2251	REPAIR OF FIBER GLASS :-	3,900.00
	Damaged fiber glass repaired.	
	Fiberglass technician:- QRs. 75.00 per hour x 48 Hours = QRs. 3,600.00.	
	Consumable:- QRs. 300.00.	
2500	MANUFACTURE OF ZINC ANODES :-	4,626.00
	Wasted anodes removed, following anodes fabricated and fitted.	
	Size 300mm x 150mm x 25mm zinc anodes -2 Nos. (QRs. 462 x 2 Nos. = QRs. 924.00).	
	Anode size 10.5 kgs. - 1 No. (QRs. 380.00)	
	Anode size 75mm in diameter (sphere shape) x 30mm thickness - 6 Nos. (QRs. 220 x 6 Nos. = QRs. 1,320.00).	
	Anode size 40mm OD x ID 7mm ID x 18mm thickness - 2 Nos. (QRs. 165 x 2 Nos. = QRs. 330.00).	
	Anode size 65mm OD x 11mm ID x 45mm thickness - 2 Nos. (QRs. 165 x 2 Nos. = QRs. 330.00).	
	Anode size 45/35mm x 185mm x 45mm thickness - 4 Nos. (QRs. 275 x 4 Nos. = QRs. 1,100.00).	
	2 Nos. brass plate and 8 Nos brass washer cleaned and polished with steel cup wire brush (QRs. 242.00).	

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Vessel Name/Description : (MRTPL6)NAVY FIBER GLASS BOAT "Q-49"[Contract no 2347/20]

Job No	Description	Line Amount
5600	TRIM OIL :-  Job has been cancelled.	
5800	CLEANING AND POLISHING OF STEERING CYLINDERS AND TRIM CYLINDERS :-  2 Nos. Steering Cylinders and trim cylinders cleaned and polished. Witnessed by Client.  Machinist:- QRs. 88.00 per hour x 12.5 hours = QRs. 1,100.00. Consumable:- QRs. 150.00.	1,250.00
6000	FLUSHING OF AIR CONDITIONING SYSTEM CONDENSERS :-  AC condenser cleaned by chemical circulated for 24 hours. Using 2-gallon barnacle Buster, Hose clamp (25-35mm) - 10 Nos. Hose clamp (35-55mm) - 10 Nos. AC condenser inlet and outlet suction Hose pipe opened for access then Temporary pipeline and pump connected for chemical circulation. After cleaning of condenser, disconnected all temporary connections Refitted all Original pipe connections in same location.  Pipe fitter:- QRs. 88.00 per hour x 24 hours = QRs. 2,112.00. Consumable:- QRs. 740.00.	2,852.00
6001	CLEANING OF BILGES PUMP STRAINERS :-  All bilges pump strainers open then clean and Re fitted in same position. Steering room - 1 No. Engine room - 2 Nos. A/C Compartment - 2 Nos.	1,712.00

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Job No	Description	Line Amount
	Galley area - 2 Nos.	
	Pipe fitter:- QRs. 88.00 per hour x 19 hours = QRs. 1,672.00.	
	Consumable:- QRs. 40.00.	
7000	CHARGING OF BATTERIES :-	765.00
	Batteries charged.	
	(QRs. 255.00 per day x 2 days + QRs. 255.00 for connection/Disconnection = QRs. 765.00).	
7001	HYDRAULIC HOSES :-	804.00
	Aft all hoses insulated with plastic tube.	
	Electrician:- QRs. 88.00 per hour x 8 hours = QRs. 704.00.	
	Consumable:- QRs. 100.00.	
7002	REPAIR OF ANCHOR WINCH :-	1,936.00
	Anchor winch inspected and necessary repaired.	
	Electrician:- QRs. 88.00 per hour x 22 hours = QRs. 1,936.00.	
7500	SUPPLY OF PAINT COMPOSITIONS :-	7,209.00
	Following Hempel paint compositions supplied for painting work.	
	Primer Hempel 45550 Grey - 10 ltrs.	
	Intersleek 731 - 10 ltrs.	
	Intersleek 1100 - 20 ltrs.	

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Job No	Description	Line Amount
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Interthane - 990 Grey - 5 Ltrs.  
 Interthane - 990 Black - 5 Ltrs.  
 Trilux white - 5 Ltrs.  
 Enamel aluminum for chain - 5ltrs  
 3m polishing rubbing compound - 5ltrs  
 3m polishing finishing compound - 5ltrs  
 Enamel white - 20 Ltrs.  
 Thinner 8450 - 20 Ltrs.  
 Thinner 808 -20 Ltrs.  
 Copper coat -3 Kits.

8000	POLISHING OF PROPELLER STEERING RUDDERS TIE ROD HUB UNITS STERN TUBE :-	2,510.00
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Propellers, steering rudder, hub port and stbd. side tie rod  
 cleaned and polished as per Navy instruction.

Machinist:- QRs. 88.00/hour x 26 hours = QRs. 2,288.00.

Consumables:- QRs. 222.00.

Note:-

Payment as per contract.

Encl:-

Copy of original work completion report.

Invoice Amount -->	98,299.00
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(QAR - Ninety-Eight Thousand Two Hundred Ninety-Nine Only)

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