## SHIP REPAIR & FABRICATION

Telephones

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Fax : 4771687



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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/012648/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No Description Line Amount CONTRACT NO: 2347/20. BOAT ARRIVED : 17-11-2020. : 17-11-2020. BOAT DOCKED BOAT UNDOCKED: 03-12-2020. BOAT SAILED : 03-12-2020. 1100 BERTH PREPARATION, DOCKING AND UNDOCKING:-5,760.00 Berth prepared, boat docked and undocked, including dock hire for first 2 days. As per standard schedule of rates, page no. 8. 1101 DRYBERTH HIRE:-15,450.00 Dryberth hire for remaining period (15 days). Based on standard schedule of rates, page no. 9 (QRs. 1,030.00 per day x 15 days = QRs. 15,450.00). 1102 SERVICES:-8,670.00

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#### for QATAR NAVIGATION (Q.S.C)

SHIP REPAIR, FABRICATION & ENGINEERING DIVISION

A) Fire and safety watch provided.

(QRs. 310.00 per day x 17 days = QRs. 5,270.00).

B) Fire line provided including connection and disconnection.

 $(QRs. 185.00 per day \times 17 days + QRs. 255.00 = QRs. 3,400.00).$ 

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EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No	Description	Line Amount
1150	SCAFFOLDING:-	1,200.00
	Scaffolding arranged at aft. Transom area an approx. 48 cubic meters.	
	(QRs. 25.00 per cubic meter x 48 cubic meters = QRs. 1,200.00).	
1200	UNDERWATER AREA TREATMENT AND PAINTING:-	5,637.00
	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 sq. meters). (QRs.1,125.00).	
	(All pants compositions supplied by shipyard, included in Job No. 7500).	
	Based on standard schedule of rates, page No. 9&10.	
1201	CLEANING AND PAINTING OF ARNESON AND PROPULSION AREA:-	
	Job has been cancelled.	
1202	PAINTING OF MAIN ENGINE EXHAUST PIPE WITH FLAPS:-	630.00

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W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No	Description	Line Amount
	Port and stbd. side main engine exhaust pipe with flaps cleaned and applied with primer and top coat Epoxy.	
	Painter:- QRs. 75.00/hour x 8 hours = QRs. 600.00. Consumables:- QRs. 30.00.	
1203	CLEANING AND PAINTING OF SEA WATER SUCTION SS UNIT:-	800.00
	SS suction unit aft transom area cleaned and painted.	
	Painter:- QRs. 75.00/hour $\times$ 10 hours = QRs. 750.00. Consumable:- QRs. 50.00.	
1204	CLEANING AND PAINTING OF AFT TRANSOM AREA:-	2,550.00
	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.	
1205	CLEANING AND PAINTING OF LINES AROUND OF BOAT:-	1,600.00
	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.	

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EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No	Description	Line Amount
1206	ABOVE WATER AREA WASHING AND POLISHING:-	6,315.00
	Above water area cleaned, washed and polished, damaged fiber glas. Scaffolding arranged for access and later removed on completion.	
	(All paints supplied by ship yard (Included in job No. 7500.00).	
	Painter/Scaffolder:- QRs. 75.00 per hour x 82 hours = QRs. 6,150.00. Consumable:- QRs. 165.00.	
1207	CLEANING AND PAINTING OF PORT AND STBD .SIDE SHAFT IN ENGINE AND STEERING ROOM:-	1,000.00
	Port and stbd. side shafts in engine and steering room cleaned and painted with Black. All paint materials supplied by ship yard.	
	Machinist:- QRs. 80.00 per hour $\times$ 10 hours = QRs. 800.00. Consumable:- QRs. 200.00.	
1208	AFT PLATFORM CLEANING AND PAINTING:-	1,960.00
	Aft platform from bottom cleaned and painted, grey paint.	
	Painter:- QRs. 75 per hour x 20 hours = QRs. 1,500.00. Consumable: - QRs. $460.00$ .	

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DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No	Description	Line Amount
1209	PROP SPEED:-	
	Job has been Cancelled.	
1250	CLEANING AND PAINTING OF TANK ROOM ENGINE ROOM, STEERING ROOM BILGES:-	8,380.00
	Tank room, Engine room, steering room bilges cleaned and painted as per owner rep. instruction. (All paints supplied by ship yard (Included in job No. 7500.00).	
	Painter:- QRs. 75.00 per hour x 35 hours = QRs. 2,625.00. Cleaner:- QRs. 48/ hour x 113 hours = QRs. 5,424.00. Consumable:- QRs. 331.00.	
1350	CLEANING AND PAINTING OF ACHOR AND CHAIN:-	2,370.00
	Anchor and anchor chain lowered, ranged and later restowed. Anchor and chain H.P jet washed. Anchor and chain painted.	
	(Lowering QRs. 1,030.00 + HP wash QRs 720.00 + Painting QRs $620.00 = QRs 2,370.00$ ).	
1400	SEA WATER SUCTION STRAINER:-	3,820.00
	Following 4 Nos. sea suction strainers removed, brought to work shop, chemical cleaned and washed. Strainers returned to vessel, refitted in position with yard supplied gaskets and stainless steel bolts.  Main Engine Strainer 8"dia2 Nos.	

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Doha - Qatar DOHA QA 37 INVOICE NO: SFWK/INV/012648/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No Description Line Amount

Generator engine strainer 2"dia. - 1 No. Steering Room AC strainer 1" dia. - 1 No. One no. 2" dia. steering room A/C strainer removed from position and found in damaged condition. 1 No. 2" dia. new stainless steel strainer fabricated and fitted in position, witnessed by client representative.

Mechanic/Pipe fitter:- QRs. 88.00 per hour x 40 hours = QRs. 3,520.00.

Material & Consumable: - QRs. 300.00.

1401 STEERING GAUGE WIRE:-

Job has been cancelled.

1402 RENEWAL OF TRIM WIRE:-

Job has been cancelled.

1403 CLEANING OF M/E GENERATOR AND A/CSEA WATER SUCTION VALVE:- 3,104.00

Engine room (Port and Stbd) bilge over board brass ball valve size 1 4"- 2nos, 1" dia. brass ball valve -2 Nos and engine room hatch over board drain/discharge valve brass ball valve size 1 2"- 2 Nos. operational checked and found all valves in good condition.

AC sea suction SS ball valve size 1 ½" dia. - 1 No. found in damaged condition. Yard supplied 1 No. new valve installed on position, witnessed by client's representative. Steering room sea valves size ½" dia. brass ball valve- 4nos,

½" dia. Brass NRV valve -1No, 1" dia. Brass ball valve - 5 Nos.

1" dia. Brass NRV valve-2nos. Brass butterfly valve size DN80

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DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No	Description	Line Amount
	2 Nos, and Brass butterfly valve size DN50-3 Nos. operational checked and found all valves working good witnessed by Owner's representative.	
	Mechanic :- QRs. 88.00 per hour x 33 hours = QRs. 2,904.00. Material/ Consumable:- QRs. 200.00.	
1404	CLEANING OF A/C AND GENERATOR SEA SUCTION STRAINER HOUSING:-	704.00
	AC and Generator sea suction filter housing - 2nos cleaned in position, witnessed by client arranged representative.	
	Mechanic:- QRs. 88.00 per hour $x$ 8 hours = QRs. 704.00.	
1800	POLISHING OF ANCHOR SEAT ON THE BOW AREA:-	1,403.00
	Fwd. anchor base SS material cleaned and polished, scaffolding arranged and later removed.	
	Fabricator:- QRs. $88.00/hour \times 6 \text{ hours} = QRs. 528.00.$ Scaffolder:- QRs. 75 per hour x 11 hours = QRs. $825.00.$ Consumables:- QRs. $50.00.$	
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.	

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EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No Description Line Amount

 $165 \times 2 \text{ Nos.} = QRs. 330.00).$ Anode size 65mm OD x 11mm ID x 45mm thickness - 2 Nos. (ORs.  $165 \times 2 \text{ Nos.} = QRs. 330.00).$ 

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).

5050 MAIN ENGINE COOLERS:- 4,122.00

2 nos. main engine cooler for gear box disconnected and removed from location, brought to workshop. Dismantled and chemically cleaned, buffed. Coolesr assembled with yard supplied O-rings. Coolesr pressure tested at 4 bar pressure and found no leaks. Gear box coolers shifted to on board and fitted back on position witnessed by owner's representative.

Mechanic: - QRs. 88.00 per hour x 44 Hours = QRs. 3,872.00. material/Consumable: - 250.00.

5600 REFILLING OF TRIM OIL:-

Job has been cancelled.

5601 REFILLING OF STEERING OIL:- 860.00

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As per Navy's instruction Steering oil completely drained and cleaned. Navy supplied 30 litres new oil refilled.

Mechanic: QRs.  $88.00/hour \times 9 hours = QRs. 792.00$ . Consumables: - QRs. 68.00.

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EXPENSE A/C:

W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No	Description	Line Amount
5800	CLEANING AND POLISHING HYDRAULIC CYLINDER:-	1,820.00
	All hydraulic cylinders cleaned and polished by use of hand buffing machine, emery paper and wd 40.	
	Machinist:- QRs. 88.00 per hour x 19 hours = QRs. 1,672.00. Consumable:- QRs. 148.00.	
6000	CLEANING OF BILGE PUMP STRAINERS:-	2,144.00
	All bilge pump strainer filter removed cleaned and refitted back in position.	
	Pipe Fitter:- QRs. $88.00/hour \times 23 hours = QRs. 2,024.00$ . Consumables:- QRs. $120.00$ .	
7000	AFT TRANSOM HYDRAULIC HOSES:-	980.00
	Aft transom area hoses protected with flexible plastic tube and heavy duty cable tie material supplied by shipyard.	
	Electrician:- QRs. 88.00 per hour x 10 hours = QRs. 880.00. Consumable:- QRs. 100.00.	
7001	CHARGING OF BATTERIES:-	704.00
	8 Nos. batteries charged.	
	Electrician:- QRs. 88.00 per 8 hour x 8 hours = QRs. 704.00.	

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W/O NO: 20-010946 / 1 W/O REF: MDY 20254

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No	Description	Line Amount
7200	FLUSHING OF AIR CONDITIONING SYSTEM:-	3,212.00
	A/C Condenser inlet outlet connection disconnected and temporary connection with pump connected to system circulated for 24 hours using yard supplied barnacle buster. System inlet outlet re connected after chemical cleaning, tested the system and found satisfactory working condition.	
	Pipe fitter:- QRs. 88.00 per hour x 24 hours = QRs. 2,112.00. Consumable:- QRs. 1,100.00.	
7500	SUPPLY OF PAINT COMPOSITIONS:-	9,645.00
	Following Hempel paint compositions supplied for painting work. Primer Hampel 45550 Grey - 10 ltrs. Intersleek 731 - 10 ltrs. Intersleek 1100 - 20 ltrs. Interthane - 990 Grey - 5 Ltrs. Interthane - 990 Black - 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 PROPELLERS, STEERING RUDDER STERN TUBES:-	2,510.00
	Port and stbd. side propellers, steering rudder, tie rode, stern tube and flange cleaned and polished with cup wire brush at site.	

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Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-28"

Job No

Description

Line Amount

Machinist: - QRs. 88.00/hour x 26 hours = QRs. 2,288.00. Consumables: - ORs. 222.00.

Note: -

Payment as per contract.

Encl:-

Original work completion report.

Invoice Amount -->

101,976.00

(QAR - One Hundred One Thousand Nine Hundred Seventy-Six Only)

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for QATAR NAVIGATION (Q.S.C) SHIP REPAIR, FABRICATION & ENGINEERING DIVISION