#### SHIP REPAIR & FABRICATION

Telephones

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Fax : 4771687



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QATAR ARMED FORCES

Doha - Qatar

DOHA QA 37

INVOICE NO: SFWK/INV/012647/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No Description Line Amount CONTRACT NO: 2347/20. BOAT ARRIVED : 12-01-2021. : 12-01-2021. BOAT DOCKED BOAT UNDOCKED : 23-01-2021. BOAT SAILED : 23-01-2021. 1100 BERTH PREPARATION, DOCKING AND UNDOCKING:-6,590.00 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:-11,300.00 Dryberth hire for remaining period (10 days). Based on standard schedule of rates, page no. 9 (QRs. 1,130.00 per day x 10 days = QRs.11,300.00). 1102 SERVICES:-6,195.00 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).

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Doha - Qatar DOHA QA 37

INVOICE NO: SFWK/INV/012647/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

_ , _		
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:-	3,120.00
	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 20% of area. (QRs. 1,200.00).  Hosed down with fresh water (QRs. 216.00).  Applied with two T/U coat primer (QRs.192.00).  Applied one T/U coat sealer. (QRs. 96.00).  Applied one T/U coat antifouling. (QRs.96.00).  (All pants compositions supplied by shipyard, included in Job No. 7500).  Based on standard schedule of rates, page No. 9&10.	
1201	ABOVE WATER AREA CLEANING AND POLISHING:-  Above water area HP jet washed using fresh water.  Above water area polished using 3M polishing materials and	2,350.00
	machine.  Painter:- QRs. 75.00 per hour x 30 hours = QRs. 2,250.00).  Consumable:- QRs. 100.00.	

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W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No	Description	Line Amount
1202	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 $\times$ 32 hours = QRs. 2,400.00. Consumable: - QRs. 150.00.	
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 x 10 hours = QRs. 750.00. Consumable:- QRs. 50.00.	
1204	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.	
1205	CLEANING AND PAINTING OF AFT MAIN ENGINE EXHAUST PIPE WITH FLAP:-	630.00

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INVOICE NO: SFWK/INV/012647/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

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.	
1206	PROP SPEED:-	7,870.00
	5 Nos. Prop speed supplied and applied for propelers, tie rods, steering rudder, stern tubes and universal shaft joint housing as per Navy instruction.	
	Painter:- QRs. 75.00 per hour x 56 Hours = QRs. 4,200.00. Consumable (including propspeed):- QRs. 3,670.00.	
1207	CLEANING AND POLISHING OF WHEEL HOUSE:-	2,500.00
	Wheel house cleaned and polished.	
	Painter:- QRs. 75.00 per hour x 32 Hours = QRs. 2,400.00. Consumable = QRs. 100.00.	
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.	

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QATAR ARMED FORCES

Doha - Qatar DOHA QA 37

INVOICE NO: SFWK/INV/012647/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No Description Line Amount Cleaner: - QRs. 48/ hour x 113 hours = QRs. 5,424.00. Consumable: - ORs. 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 painted. (Lowering QRs. 1,030.00 + HP wash QRs 720.00 + Painting QRs 620.00 = QRs 2,370.00). 1400 SEA SUCTION STRAINER:-3,230.00 Following 5 Nos. sea suction strainers removed, brought to work shop, chemical cleaned, buffed and found all strainers in good condition. all strainers returned to vessel and refitted in position. Main engine sea suction strainers size 3"dia. - 2 Nos. Auxiliary engine sea suction strainer size 2"dia. -1 No. Fresh water strainer 2" dia. -1 No. Fire pump sea suction strainer size 2"-1 no. 1 No. AC sea suction strainer size 2"dia.removedand found small size, 1 No. 2" dia. strainer fabricated and fitted. Strainer housing buffed and cleanined. Filters fitted back on position. witnessed by Client. Mechanic: - QRs. 88.00 per hour x 35 Hours = QRs. 3,080.00. Consumable; - 150.00. 1401 STEERING GAUGE WIRE:-

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QATAR ARMED FORCES

Doha - Qatar DOHA QA 37

INVOICE NO: SFWK/INV/012647/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No	Description	Line Amount
	Job has been cancelled.	
1402	RENEWAL OF TRIM GAUGE WIRE:-	
	Job has been cancelled.	
1403	UNDER WATAR VALVE:-	1,420.00
	2 Nos. underwater main suction butterfly valves size each DN100, 4 Nos. Intermediate globe valvessize each %"dia., 1 No. Fire line sea suction globe valve valve size 1" dia., and 2 Nos. AC sea suction globe valvesize each 2" dia. inspected and operation checked and cleaned in place. Butterfly valves applied grease for the rubber sheet and freed up. one of butterfly valve handle found damaged. Yard supplied suitable handle and checked operation found ok. Witnessed by ship staff.  Mechanic:- QRs. 88.00 per hour x 15 Hours = Qrs. 1,320.00. Consumables:- QRs. 100.00.	
1800	CLEANING AND POLISHING OF BOW AREA ANCHOR SEAT SS BRACKET:-  Fwd. anchor base SS material cleaned and polished, scaffolding	1,403.00
	arranged and later removed.  Fabricator:- QRs. 88.00/hour x 6 hours = QRs. 528.00.  Scaffolder:- QRs. 75 per hour x 11 hours = QRs. 825.00.  Consumables:- QRs. 50.00.	

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DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No	Description	Line Amount
2250	REPAIR OF FIBER GLASS DAMAGED AREA:-	1,000.00
	Stbd. side damaged fiber glass repaired.	
	Carpenter:- QRs. 75.00 per hour $\times$ 10 Hours = QRs. 750.00. Consumable:- QRs. 250.00.	
2500	MANUFACTURE OF ZINC ANODES:-	4,310.00
	Following zinc anodes removed manufactured as per samples and fitted.	
	Zinc anode size $300\text{mm} \times 150\text{mm} \times 25\text{mm}$ thickness - 2 Nos. (QRs. 420 x 2 Nos. = QRs. 840.00).	
	Zinc anode size 10.5 Kg - 1 No. (QRs. 370 x 1 no = QRs. $370.00$ ).	
	Zinc anode (sphere type) size 75mm OD x 30 mm thickness - 6 Nos. (QRs. 200 x 6 Nos. = QRs. 1,200.00).	
	Zinc anode size $40 \text{mm}$ OD x $7 \text{mm}$ ID x 15 mm thickness -2 Nos. (QRs. 150 x 2 Nos. = QRs. 300.00).	
	Zinc anode size $70 \text{mm}$ OD x $11 \text{mm}$ ID x $45 \text{mm}$ thickness $-2 \text{ Nos.}$ (QRs. $150 \times 2 \text{ Nos.} = \text{QRs.} 300.00$ ).	
	Zinc anode size $45/35$ mm x $185$ mm x $45$ mm thickness $-4$ Nos. (QRs. $250$ x $4$ Nos. = QRs. $1,000.00$ ).	
	2 nos. brass plates size each $400 \text{mm}$ long x $150 \text{mm}$ width x $20 \text{mm}$ thickness polished with cup wire brush and re fitted (QRs. $100.00 \times 2 \text{ nos.} = \text{QRs.} 200.00$ ).	
	8 Nos. brass washers size each 40mm OD x 8mm ID x 7mm thickness cleaned and polished. (QRs. 100.00).	
	the state of the s	
5050	MAIN ENGINE GEAR BOX COOLER:-	4,122.00
	2 Nos. Main engine gear box oil coolers (Port and Stbd) removed	

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

SHIP REPAIR, FABRICATION & ENGINEERING DIVISION

from location and brought to workshop.

### SHIP REPAIR & FABRICATION

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Doha - Qatar DOHA QA 37

INVOICE NO: SFWK/INV/012647/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No Description

Line Amount

Coolesr dismantled and chemical cleaned. End cover anodes inspected and found in good condition. Gear box coolers assembled with yard supplied O-rings. Coolers pressure tested at 4bar and found no leakage. Witnessed by client and yard QC. Gear box coolers shifted to on board and fitted back on position witnessed by ship staff.

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

5600 REFILLING OF TRIM OIL:-

852.00

Port and stbd Trim Oil 60Lts (Old) drained. And Client supplied new gear oil (8090) Oil 60Lts filled for the system. Witnessed by client.

Mechanic:- QRs.  $88.00/hour \times 9 hours = QRs. 792.00$ . Consumables:- QRs. 60.00.

5800 CLEANING AND POLISHING OF HYDRAULIC CYLINDER:-

1,250.00

Four numbers of propeller's tilting brass cylinders cleaned and polished by buffing machine, Witnessed by Client.

Machinist:- QRs. 88.00 per hour x 12.5 hours = QRs. 1,100.00. Consumable:- QRs. 150.00.

6000 CLEANING OF BILGE PUMP STRAINERS:-

2,144.00

 $7\ \mathrm{Nos.}$  Bilge pump strainer filter removed cleaned and refitted back in position.

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Doha - Qatar

DOHA QA 37

INVOICE NO: SFWK/INV/012647/2021

DATE: 28/02/2021

EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No	Description	Line Amount
	<pre>Pipe Fitter:- QRs. 88.00/hour x 23 hours = QRs. 2,024.00. Consumables:- QRs. 120.00.</pre>	
6001	SEA WATER STRAINER FILTER:-	1,480.00
	2 nos. sea water strainer filter fabricated as per sample size 60mm x 155mm $-1$ No. and size 75mm x 160mm dia. $-1$ No.	
	Pipe fitter:- QRs. 88.00 per hour x 10 hour = QRs. 880.00. Material/Consumable:- QRs. 600.00.	
7000	CHARGING OF BATTERIES:-	704.00
	Job identified with Navy staff and 8 Nos. batteries fully charged.	
	Electerician: - QRs. 88.00 per hour x 8 Hours = QRs. 704.00.	
7001	HYDRAULIC HOSES:-	1,930.00
	Aft transom area hose protected all damaged plastic hoses removed and yard supplied flexible plastic tube fitted and secured with cable ties.	
	Electrician:- QRs. 88.00/hour $\times$ 20 hours = QRs. 1,760.00. Consumables:- QRs. 170.00.	
7200	CLEANING OF AC CONDENSOR:-	3,212.00
	Job inspected with piping team. Necessary piping fittings removed. Chemical cleaning of main AC chiller condenser carried	

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QATAR ARMED FORCES

Doha - Qatar DOHA QA 37

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EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No Description Line Amount out up-to 24 hours. Flush the system by fresh water. Reconnected all pipe connection as per the original location. Pipe fitter:- QRs. 88.00 per hour x 24 hours = QRs. 2,112.00. Consumable: - QRs. 1,100.00. 7500 SUPPLY OF PAINT COMPOSITIONS:-5,211.00 Following Hempel paint compositions supplied for painting work. Primer Hampel 45550 Grey - 5 ltrs. Intersleek 731 - 5 ltrs. Intersleek 1100 - 10 ltrs. Interthane - 990 Grey - 5 Ltrs.
Interthane - 990 Black - 5 Ltrs. Trilux white - 5 Ltrs. 3m polishing rubbing compound - 5ltrs 3m polishing finishing compound - 5ltrs Enamel white - 20 Ltrs. Thinner 8450 - 20 Ltrs. Thinner 808 -20 Ltrs. 8000 POLISHING OF PROPELLER STEERING RUDDERS TIE ROD HUB UNITS STERN 2,508.00 TUBE: -Port and Stbd. popellers size each 900mm dia. with 5 blades, steering rudder, stern tube and hub housing with tie rod cleaned and polished with steel cup wire brush at site. (propeller approximate size 850-900mm in diameter with 5 blades)

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

SHIP REPAIR, FABRICATION & ENGINEERING DIVISION

Consumables:- QRs. 220.00.

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

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Line Amount

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QATAR ARMED FORCES

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DOHA QA 37

INVOICE NO: SFWK/INV/012647/2021

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EXPENSE A/C:

W/O NO: 21-011016 / 1 W/O REF: MDY 21006

Vessel Name/Description : NAVY FIBER GLASS BOAT "Q-26"

Job No Description

-

Encl:-

Payment as per contract.

Encl:-

Original work completion report.

Invoice Amount --> 92,231.00

(QAR - Ninety-Two Thousand Two Hundred Thirty-One Only)

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