SHIP REPAIR & FABRICATION

Telephones

Office: 4771690 / 4771695

Fax : 4771687



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/012873/2021

DATE: 16/07/2021

EXPENSE A/C:

W/O NO: 20-010908 / 1

W/O REF: MDY20219

Vessel Name/Description: NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No	Description	Line Amount
	Boat arrived : 21-10-2020. Boat docked : 21-10-2020. Boat undocked : 15-11-2020. Boat sailed : 15-11-2020.	
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. 9.	
1101	DRYBERTH HIRE :-	24,720.00
	Dryberth hire for remaining period (24 days).	
	Based on standard schedule of rates, page no. 9 (QRs. 1,030.00 per day x 24 days = QRs. 24,720.00).	
1102	SERVICES :-	12,870.00
	A) Fire and safety watch provided. (QRs. 310.00 per day x 26 days = QRs. $8,060.00$).	
	B) Fire line provided including connection and disconnection. (QRs. 185.00 per day x 26 days + QRs. 255.00 = QRs. 4,810.00).	
1150	SCAFFOLDING :-	1,200.00
	Scaffolding arranged at aft. Transom area an approx. 48 cubic meters.	

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Doha - Qatar

DOHA QA 37

INVOICE NO: SFWK/INV/012873/2021

DATE: 16/07/2021

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W/O REF: MDY20219

Vessel Name/Description: NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No Description Line Amount (QRs. 25.00 per cubic meter x 48 cubic meters = QRs. 1,200.00). 1200 UNDERWATER AREA TREATMENT AND PAINTING :-7,237.00 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). 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 = QRs. 1,600.00. (All pants compositions supplied by shipyard, included in Job No. 7500). 1201 ABOVE WATER AREA WASHING AND POLISHING :-3,690.00 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. 165.00.

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QATAR ARMED FORCES

Doha - Qatar DOHA QA 37

EXPENSE A/C:

W/O NO: 20-010908 / 1

W/O REF: MDY20219

Vessel Name/Description : NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No	Description	Line Amount
1000	-	0.550.00
1202	PAINTING OF AFT TRANSOM :-	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.	
1203	CLEANING AND PAINTING OF CHAIN LOCKER :-	2 , 575.00
	Chain locker cleaned and painted.	
	(All paints supplied by ship yard (Included in job No. 7500.00).	
	As per standard schedule of rates, page No. 12.	
1204	ABOVE WATER AREA WASHING AND POLISHING :-	3,690.00
	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. 165.00.	
1205	PROP SPEED :-	7,870.00
	5 Nos. Prop speed supplied and applied for propelers, tie rods,	

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QATAR ARMED FORCES

Doha - Qatar

DOHA QA 37

INVOICE NO: SFWK/INV/012873/2021

DATE: 16/07/2021

EXPENSE A/C:

W/O NO: 20-010908 / 1

W/O REF: MDY20219

Vessel Name/Description : NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No	Description	Line Amount
	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	
1250	CLEANING AND PAINTING OF ENGINE ROOM, STEERING ROOM BILGES :-	8,380.00
	Engine room, steering room bilges cleaned and painted as per owner rep. instruction as per owner's rep. instruction.	
	<pre>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.</pre>	
1350	ANCHOR :-	700.00
	Anchor blasted and applied with 2 coats primer and 1 top coat.	
	Painter:- QRs. 75.00 per hour x 8 Hours = QRs. 600.00. Consumable:- QRs. 100.00	
1400	SEA SUCTION STRAINERS :-	3,980.00
	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 size 8" dia 2 No. Generator Engine Strainer size 2"dia 1 No. -A/C strainer size 1" dia 1 No.	

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DOHA QA 37

INVOICE NO: SFWK/INV/012873/2021

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W/O NO: 20-010908 / 1

W/O REF: MDY20219

Vessel Name/Description: NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No Description Line Amount

1 No. Steering room A/C Strainer size 2" dia. removed, brought to work shop, inspected and found in damaged condition. 1 No. stainless steel strainer fabricated as per sample.

Following items supplied by yard and fitted. Brass ball valve (vent valve) size 3/8" dia. - 2 Nos. Male /Female brass fitting size ½" x3/8" dia. -2 Nos. O-rings for strainer covers. Witnessed by client representative.

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

Material/Consumables: - ORs. 460.00.

1401 MAIN ENGINE SEA SUCTION VALVE :- 1,848.00

Engine room (Port and Stbd) bilge over board brass ball valve 1 ¼"- 2 Nos.

1" dia. brass ball valve -2 Nos and engine room hatch over board drain/discharge valve brass ball valve 1 ½"- 3nos. are operational checked. All are in good condition.

Engine room total valves- 7 Nos. Witnessed by client's representative.

Steering room sea valves ½" brass ball valve-4nos, ½" Brass NRV valve -1no, 1" Brass ball valve - 5nos,1" Brass NRV valve-2nos, and Brass butterfly valve Brass butterfly valve DN100-2nos, DN50-3nos are operational check done, all are ok.

Steering room total valves -17nos. Witnessed by Owner's representative.

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INVOICE NO: SFWK/INV/012873/2021

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W/O NO: 20-010908 / 1

W/O REF: MDY20219

Vessel Name/Description : NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No	Description	Line Amount
	Mechanic/Pipe fitter:- QRs. 88.00 per hour x 21 hours = QRs. 1,848.00.	
1800	REPAIR OF CRADLE :-	47,014.00
	Navy cradle damaged, same repaired and painted.	
	Fabricator/Welder:- QRs. 88.00 per hour x 198 hours = QRs. 17,424.00. Materials/Consumable:- QRs. 29,590.00.	
	naceriais, consamasie. Quo. 23,030.00.	
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 $45/35$ mm x 185 mm x 45 mm 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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QATAR ARMED FORCES

Doha - Qatar DOHA QA 37 INVOICE NO: SFWK/INV/012873/2021

DATE: 16/07/2021

EXPENSE A/C:

W/O NO: 20-010908 / 1

W/O REF: MDY20219

Vessel Name/Description : NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No	Description	Line Amount
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 chemical cleaning, buffing done. Assembled by yard supplied O-rings. Pressure tested at 4 bars and found no leaks, witnessed by yard QC. After QC inspection Gear box coolers shifted to on board and fitted back on position witnessed by client arranged representative. Mechanic:- QRs. 88.00 per hour x 44 Hours = QRs. 3,872.00. Consumable:- 250.00.	
5600	REFILLING OF TRIM OIL :-	940.00
	Trim Oil drained from system and 20 litres fresh oil refilled using owner's supplied oil. Witnessed by client arranged representative. Mechanic:- QRs. 88.00/hour x 10 hours = QRs. 880.00. Consumables:- QRs. 60.00.	
5601	REFILLING OF STEERING OIL :-	
	Job has been cancelled.	
5800	CLEANING AND POLISHING OF HYDRAULIC CYLINDER AND TRIM CYLINDER:-	1,250.00

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QATAR ARMED FORCES

Doha - Qatar DOH

DOHA QA 37

INVOICE NO: SFWK/INV/012873/2021

DATE: 16/07/2021

EXPENSE A/C:

W/O NO: 20-010908 / 1

W/O REF: MDY20219

Vessel Name/Description: NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20) Job No Description Line Amount 2 Nos. Hydraulic cylinders and 2 Nos. Trim cylinders cleaned and polished. Inspected by owner's representative. Machinist: - QRs. 88.00 per hour x 12.5 hours = QRs. 1,100.00. Consumable: - QRs. 150.00. 6000 CLEANING OF AIR CONDITIONING SYSTEM CONDENSER: :-8,442.00 A/C condenser pipe lines chemically circulated for 28 Hrs. Using following consumable and materials. Barnacle Buster - 4 Gallon. Hose clip size $25mm \times 35mm - 10 Nos.$ Hose clip Size 18mm x 25mm - 8 Nos. Cear hose size ½" dia. x 500mm long. Rubber hand gloves - 2 Nos. Teflon tape - 4 Nos. Brazing filler wire - 5 Nos. 'Y"type fitting made and fitted size 35mm dia. x 500mm long - 1 No. Pipe fitter: QRs. 88.00 per hour x 69 hours = QRs. 6,072.00. Material/Consumable: - QRs. 2,370.00 6001 CLEANING OF BILGE PUMP STRAINERS :-2,144.00 7 Nos. 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.

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W/O REF: MDY20219

Vessel Name/Description : NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No	Description	Line Amount
6002	REPAIR OF PVC PIPE FOR A/C CONDENSER :-	
	Included in Job No. 6000.	
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 :-	765.00
	8 Nos. batteries charged.	
	(QRs. 255.00 per day \times 2 days + QRs. 255.00 for connection/Disconnection = QRs. 765.00).	
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. Trilux white - 5 Ltrs. Enamel aluminum for chain - 5ltrs 3m polishing rubbing compound - 5ltrs 3m polishing finishing compound - 5ltrs	

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Vessel Name/Description: NAVY FIBRE GLASS BOAT "Q 27" (Contract No: 2347/20)

Job No Description Line Amount 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, stern tube and flange cleaned and polished with cup wire brush at site. Machinist: -QRs. 88.00/hour x 26 hours =QRs. 2,288.00. Consumables: - QRs. 222.00. Note:-Payment as per contract. Encl-Original completion report.

> Invoice Amount --> 169,508.00

(QAR - One Hundred Sixty-Nine Thousand Five Hundred Eight Only)

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