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

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NAKILAT SVITZERWIJS MULLER WLL

3rd F1r,

DOHA OA

INVOICE NO : SFWK-DMY-008260

DATE: 20/09/2021

W/O Number :

21-011239

W/O Ref : MDO21194

EXPENSE A/C :

Vessel Name/Description: CREW BOAT "SVITZER AL SHAMAL"

Job No Description (PO:4200023795) Line Amount

1100 BERTH PREPARATION, DOCKING & UNDOCKING :- 2,005.00

Berth preparation, docked the boat on shiplift and later undocked on completion of works.

US\$ 2,005.00

1101 DOCKING AND UNDOCKING: -

Incl in job no 1100.

1102 DRY BERTH HIRE: - 2,300.00

Dry berth hired from 05.09.2021 to 14.09.2021

US \$ 230 per day x 10 days = US \$ 2,300.00

1103 SHORE POWER SUPPLY: - 815.00

Shore power supplied for 10 days.

Connection and disconnection of shore line $x\ 1$ time.

US \$ 76 per day x 10 days +US \$ 55 = US \$ 815.00

1104 FIRE AND SAFETY WATCH:-

910.00

Fire and safety watch provided for 10 days.

US $$91 \times 10 \text{ days} = US 910.00

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3rd Flr,

DOHA QA

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W/O Ref :

20/09/2021

W/O Number :

21-011239 MDO21194

EXPENSE A/C :

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Job No Description

Line Amount

1105 FIRE LINE: - 605.00

Fire line provided for 10 days.

Connection and disconnection x 1 time.

US\$ 55 per day x 10 days + US \$ 55 = US \$ 605.00

1106

SUPPLY OF FRESH WATER:-

150.40

Supplied Fresh water 5.3 ton

Connection and disconnection x 1 time

US \$ 95.4 + US \$ 55 = US \$ 150.4

1107

LIGHTING :-

150.00

Provide lighting during the repair period.

US $$15 \times 10 \text{ days} = US 150.00

1108

CRANE: -

Not provide.

1109

GANGWAY: -

Free of charge.

1110

GAS FREE CERTIFICATE: -

910.00

Gasfree certificates prepared for hot works.





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DOHA OA

INVOICE NO :

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DATE :

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W/O Number : W/O Ref : 21-011239

MD021194

EXPENSE A/C :

Vessel Name/Description: CREW BOAT "SVITZER AL SHAMAL"

Job No Description Line Amount

US $$91 \times 10 \text{ days} = US 910.00

GALLEY GARBAGE SKIP:-1111

Not done/cancelled.

1150 UT GAUGING: - 705.13

Carried out UT gauging by shipyard QC inspector - 214 spots

US \$ 705.13

1151 INSULATION : 2,688.30

Installed 50 mm ceramic secured with bands one layer cloth.

US \$ 2,688.3 (revised rate)

1152 LIFTING SUPPORT: -

Not provided.

1200 HULL CLEANING & PAINTING: - 6,569.00

Under water Area:-

Hard scrape all marine growth by hand scraping and washing -200

m2 : US \$ 769.00

HP washing carried out -200 m2 : US \$ 549.00

Carry out light sweep blasting -200 m2: US \$ 1200.00

Applied 4 coats owner supplied : US \$ 879.00





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Job No Description

Line Amount

Page: 4 /11

Top Side Area:-

High pressure washing 5000 psi of 200 m2 : US \$ 663.00

Spot blasting carried out -20 m2: US \$ 486.00

Wash down and priming - 20 m2: US \$ 87.00

Applied 1 coat owner supply paint 200m2 : US \$ 283.00

Covering of super structure -70 m2 : US \$ 639.00

Erection and removal of scaffolding for painting works: US \$

1014.00

Total: US \$ 6,569.00

1201 HULL MARKINGS:-

522.00

Hull markings painted and as well as carving & draft marks in

white.

US \$ 522.00

1400 SEA CHEST:

Not done.

1401 BOW THRUSTER TUNNEL GRIDS:-

673.00

Open bow thruster tunnel grates, carry out HP wash, scrapping and cleaning and paint using NSW supplied paint and box up again - applicable for both gratings and tunnel.

US \$ 673.00

1402 VALVE OVERHAULING:-

893.00

Following valves removed, overhauled in workshop, preserve,



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NAKILAT SVITZERWIJS MULLER WLL

3rd Flr,

DOHA QA

INVOICE NO : SFWK-DMY-008260

DATE: 20/09/2021

W/O Number: 21-011239

W/O Ref : MDO21194

EXPENSE A/C:

Vessel Name/Description: CREW BOAT "SVITZER AL SHAMAL"

Job No Description Line Amount

gravity test and installed back onboard.

- 5K50 QTY 2
- 5K40 QTY 1
- 5K65 OTY 1
- 5K80 QTY 1

US \$ 893.00

1403 CLEARANCE OF PORT AND STBD. SHAFT:- 255.00

Carried out clearance measurements of P and S shaft line and submitted report.

US \$ 255.00

CLEARANCE OF PORT AND STBD. RUDDER BUSHES:-1404

202.00

Carried out clearance measurements of P and S rudder bushes and submit report.

US \$ 202.00

1405 PROPELLER SHAFT REMOVAL/TRUENESS CHECKING:- 1,697.00

Removed both propeller shafts and shift to workshop to carry out trueness check and MPI on tapers and keways to satisfaction of class surevyor. Allowed to reinstall and box up.

US \$ 1,697.00

1406 RENEWAL OF BEARING: -



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NAKILAT SVITZERWIJS MULLER WLL

3rd Flr,

1409

DOHA OA

INVOICE NO :

SFWK-DMY-008260

DATE :

20/09/2021

W/O Number :

21-011239

W/O Ref : MDO21194

EXPENSE A/C :

Vessel Name/Description: CREW BOAT "SVITZER AL SHAMAL"

Job No Description Line Amount

Job cancelled.

1407 REMOVAL OF SHAFT FROM GEAR BOX: -

949.00

Disconnect shafts from gearbox and remove coupling and install back.

US \$ 949.00

1408 BLUE MATCHING OF NEW PROPELLERS:- 1,980.00

Removal of old propellers from location, blumatch done with new propellers and shaft and fit back the propeller.

RENEWAL OF BREAKERS: -

150.00

Renewal of 2 nos breakers 125 A and 65 A. Modification carried out shipyard electrician.

US \$ 150.00

1800 ANODE REPLACEMENT: - 553.70

Replacement of anodes 5 kg bolted type. - 9 nosUS\$ $42.3 \times 9 \text{ nos anodes} = \text{US} \$ 380.7$

3nos anode with socket seating and machining carried out.

US\$ 83.00

Applied cement on 9 nos anodes: US \$ 90.00

1801 ALUMINIUM REPAIR IN WAY OF FWT 301:- 5,975.00





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DOHA QA

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MDO21194

EXPENSE A/C :

Vessel Name/Description: CREW BOAT "SVITZER AL SHAMAL"

Job No Description Line Amount

Cropped out renew bottom 6 mm aluminium in way of fresh water

tank - Tank no FWT

Stbd side 6mm x 900mm x 3000mm - 1 no

Port side - 6 mm x 900 mm x 2850 mm - 1 no

Port side - 6 mm x 300mm x 900 mm - 1 no

Stbd side - 6 mm x 500 mm x 500 mm - 1 no

Tank pressurized 4 times, found leakages and rectified.

Tank pressure testing done and found ok.

DP Testing, Vaccum testing done of all new plate welding area.

US \$ 3,190.00

Additional amount incurred for shipyard manpower/equipment utilized in overtime to complete the scope.

US \$ 2,335.00

Erect wooden block iwo of alumium - US \$ 450.00

1802 ALUMINIUM HULL REPAIRS (Additional) :- 1,370.00

Carried out grinding, welding built up and DP test on keel area

- 9 locations.

Carried out grinding, welding built up and DP test on bottom plate - 10 locations.

US \$ 950.00

Additional Tank air testing due to above welding built up : US

\$ 420.00

PAD EYE RENEWAL: -

1,818.00

Cropped by grinder of old aluminium pad eye client supplied and

1803

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3rd Flr,

DOHA QA

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W/O Ref :

MD021194

EXPENSE A/C :

Vessel Name/Description: CREW BOAT "SVITZER AL SHAMAL"

Job No Description

Line Amount

renewed total of 32 pieces, size 200 x 100 x 20 mm thickness. Erected and removed scaffolding.

US \$ 1,728.00

01 no pad eye grinding and welding repair carried out.

US \$ 90.00

1804

ALUMINIUM HULL REPAIRS ON DECK:-

3,540.00

Renewed aluminium 6 mm deck plate in way off transom area total of grating removed.

Below size plate cut by grinder and renewed.

1. Size - 6 mm \times 3000 \times 1000 - 1 no

2. Size - 6 mm x $2180 \times 1000 - 1$ no

DP test done and found satisfactory.

US \$ 2200.00

Access works: -

Grating removed and fit back Scafooling erect and removed

US \$ 1,340.00

2400

TANK CLEANING :-

2,444.00

Following tanks, manhole opened and closed, ventilated, full cleaned with cotton rags for inspection.



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Job No Description Line Amount

Tank 501 FW Tank - 13.5 m3 : US \$ 495.00 Tank 303 FO Tank - 3.4 m3 : US \$664.00Tank 301 FW Tank -9.2 m3 : US \$ 483.00 Tank 302 FO Tank - 9.9 m3: US \$ 802.00

2401 Incl in 2401

Incl in 2401 2402

2403 Incl in 2401

2404 Incl in 2401

2500 MACHINING OF THORDON MATERIAL: -

Job cancelled.

2800 REMOVAL OF FENDERS: - 1,357.00

Removal of cylindrical fenders and fit back after painting

works - 7 fenders

Truck or aircraft tyre remove/refit - 6 nos

US \$ 1,357.00

5600 REMOVAL & INSPECTION OF BILGES PUMP: -

Job cancelled.



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Job No

Description

Line Amount

Page: 10 / 11

7000 MEGGER TEST: 247.00

Meggar test carried out onboard and submit report in compliance with surveyor.

US \$ 247.00

7001

SWITCH BOARDS: -

453.00

Opening and cleaning switchboard, check intergrity of all conections.

US \$ 453.00

7002

MEGGER TEST: -

1,593.00

Meggar test and intergity/tightness check in-situ of both PT and STBD generator alternator ends and submit full report.

US \$ 1,593.00

7003

AIR GAP OF GENERATOR: -

550.00

Port & Stbd side air gap of generators checked.

US\$ 550.00

8000

RADIOGRAPHY: -

1,030.00

Carried out radiography and 5 roll filims used.

8001

REPAIR OF PROPELLER BLADE: -





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Job No

Description

Line Amount

Job cancelled.

Note: Payment within 30 days of the receipt of invoice

Discount Allowed -->

3,224.00

Invoice Amount -->

42,835.53

(USD - Forty-Two Thousand Eight Hundred Thirty-Five And 53/100 Only)

