QATAR NAVIGATION (QPSC)

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

INVOICE

900001
SHIP MANAGEMENT - SHIPYARD INTERCO Shipyard WS
PO Box 153, Doha - Qatar

INVOICE NO: SFWK/INV/013130/2021
DATE: 30/12/2021
EXPENSE A/C: 85.901.1434006
W/O NO: 21-011250 / 1
W/O REF: MDO21204

Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
1100	BERTH PREPARATION, DOCKING & UNDOCKING :- Berth prepared,vessel docked and undocked. As per our purchase agreement MPCS 2006	11,200.00
1101	DOCK HIRE:- Dock hired from 16.09.2021 to 29.09.2021 QRs 2,650 per day x 14 days = QRs 37,100.00 As per our purchase agreement MPCS 2006	37,100.00
1103	WHARFAGE:- Wharfage charges applied from 01.09.2021 to 15.09.2021 & 30.09.2021 QRs 1056 per day x 16 days = QRs 16,896.00 As per our purchase agreement MPCS 2006	16,896.00
1107	SERVICES:- Fire and safety watch provided from 01.09.2021 to 30.09.2021 QRs 330 per day x 30 days = QRs 9,900.00 Fireline: QRs 200 per day x 30 days + QRs 275 = QRs 6,275.00 Sea water cooling line provided : QRs 275 per day x 14 days +QRs 275 = QRs 4,125.00 Electrical Shore: QRs 500 per day x 14 days + QRs 500 = QRs	27,800.00

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Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	7,500.00	
1108	GALLEY SKIP:- Galley skip provided x 30 days. QRs 275 per day x 30 days = QRs 8,250.00	8,250.00
1150	UT GAUGING:- Bilge holding and dirty oil tank inspected and UT gauging done. All sea chests. QRs 11 per spot x 100 spots = QRs 1100.00	1,100.00
1151	SHIFTING OF ITEMS:- Shifting of propulsion items from H27 to the workshop. Total 5 boxes . H27 Chief has been intimated and Boxes have been identified . Incl in job no 9100	
1200	TOPSIDE AREA TREATMENT AND PAINTING:- Top side area an approx of 700 square metres treated and painted as per paint manufacturer's representative's recommendation and your representative's instruction. Following rates applied: H.P. jet washing with fresh water. (QRs 13 per m2 x 700 m2 =	60,228.00

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Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	QRs 9,100.00 Spot blasting (70 % of area using grit) (QRs 80 per m2 x 490 m2 = QRs 39,200.00 Hosing down with fresh water - QRs 3 x 700 m 2 = QRs 2,100.00 Applied one touch up coat primer (70% area), Jotamastic 80 alu red toned - QRs 5.2 x 490 m2 = QRs 2,548.00 Applied one t/up top coat Hard Top XP orange - QRs 5.2 x 700 m2 = QRs 3,640.00 Applied one full top coat - Hard Top XP Orange -QRs 5.2 x 700 m2 = QRs 3,640.00 All paint composition, thinners and tool cleaners supplied by client. As per purchase agreement MPCS 2006	
1201	UNDER WATER AREA PAINTING WORKS:- Underwater area of approx 2000 square metres (Including Sea Chest, Bow Thruster Tunnel, Kort nozzle) treated and painted as per paint manufacturer's representative's recommendation and your representative's instruction. Following rates applied:- Hand scraping to remove marine growth. QRs 4 x 2000m2 =QRs 8000.00 H.P. jet washing using fresh water. QRs 10 x 2000m2 =QRs 20,000.00 Full Grit blast SA 2.0 - QRs 38 x 2000 m2 = QRs 76000.00 Hosing down with fresh water, two times -QRs 2 x 2000m2 x 2times = QRs 8000.00 Applied one coat primer (100% area) Jota mastic 80 alu red toned -QRs 3.5 x 2000 m2 = QRs 7000.00 Applied full coat of sealer - safe guard UNI plum - QRs 4 x	154,200.00

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Job No	Description	Line Amount
	2000 m2 = QRs 8000.00 Applied one full coat of antifouling sea force active dark red - QRs 4 x 2000 m2 = QRs 8000.00 Disposal of used grit/garnet/waste water which mixed with ferros, paint, oil and chemical,collection, transportation and safe disposal as per Qatar safety envionment regulation in Mesaieed, total 80 ton.disposed QRs 240 per ton x 80 ton = QRs 19,200.00 As per purchase agreement MPCS 2006	
1202	HULL MARKING:-	3,800.00
	Painting existing name, homeport, draught marks & load line marks with two coats white gloss (owner's supply paint)	
1203	CHAIN LOCKER CLEANING:-	16,000.00
	Port and stbd. Chain lockes opened. Area cleaned removed mud . 4 ton Hp jet washing and pump out mopdry . Applied with one coat owner supply paint. (jotmastic smart pack alu)Internal floor plates or gratings cleaned, painted and refitted. As per our quotation EM 15970, item 6.16.6	
1250	BILGE AREA CLEANING:-	15,162.50
	Bilge area cleaned under the engines to carry out UT gauging. QRs 12,000.00	

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Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	Yard provided dirty tanks Collect and disposed oil on shore total - 11.5m3 QRs 275 per m3 x 11.5 m 3 = QRs 3,162.5 As per our quotation No, EM 15970 A	
1350	ANCHORS & CHAIN:-	9,100.00
	Anchor and chain lowered using ship winch and yard crane for ranging the floor HP jet washing Calibrated and issue certificate Restore back on position Based on our quotation EM 15970, item 6.16.5 Additional:- Freed done of seized anchor,anchor swivel and bow shackle of port and stbd side by gas cutting. QRs 900.00	
1400	SEA CHEST GRIDS:-	4,620.00
	3 Nos. sea grid removed. Sea chests and grids treated and painted as per underwater area treatment and painting specification. Later grids refitted on completion. Grit blast sea chest and grids to SA 2.0. Based on our quotation EM 15970, item 2.03	
1401	BOW THRUSTER SEAL RENEWAL:-	
	~~Job not completed, shall invoice upon completion.~~	

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Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
1402	STERN THRUSTER SEAL RENEWAL:- Job not completed, shall invoice upon completion.	
1403	PORT AND STBD PROPULSION WORKS:- Job not completed, shall invoice upon completion.	
1404	VALVES:- Remove from the location, transport to workshop, clean all exposed parts, light hand scrapping, check bedding and reassemble with new cover joint and repacking gland with soft packing. Carry out gravity test and fit onboard. 1 Main sea chest valve Port & Stbd DN 300 gate valve- 2 nos 2 Main Engine over board valve Port &stbd DN 150 Angle globe valve-2 nos 3 Auxiliary engine over board valve DN 150NRV -1 no 4 Bilge and ballast pump suction and overboard valve DN 80 Globe valve-2 nos 5 AC cooling pump Suction and discharge valve of pump no. 1&2 DN 100 globe valve-4 nos 6 AC overboard valve-DN150 angle globe-1 no 7 Main engine sea water cooling pump no.1&2 suction and discharge valve DN 200 globe valve-4no 8 Port side LT cooler sea water discharge and back flushed valve DN 150 Globe valve-5 nos 9 Stbd side LT cooler sea water discharge and back flushed valve DN 150 Globe valve 5 nos 10 Mud circulating pump over board valve DN 80NRV -1 no 11	50,471.00

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Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	Sewage over board valve DN 150 storm valve-2 nos 12 GS /Fire pump discharge valve to fire line DN80 globe valve -1 no 13 GS fire pump ballast valve DN 80 globe valve-1 no 14 AC condenser 1/2 inlet and outlet valve DN100 globe valve-2nos 15 Sewage unit fill/dis valves DN150Gate valve-2no- DN50 gate valve -3nos- ; DN50 globe valve-2 nos - 16 GS /Fire pump discharge valve to emergency cooling to AC and reefer DN80 globe valve-1no - 17 Oily water separator DN 80Globe valve-1no (port) 18 Emergency bilge suction valve DN 200 globe valve-1 no.	
1405	PORT SIDE HUB :- Job not completed.	
1406	Incl in job no 1404	
1407	CLEANING OF THRUSTER:- Job not completed, shall invoice upon completion.	
1800	ANODES:- Removed 98 nos. zinc anode renewed (92 removed by gas cutting and grinding and 06 removed bolt) Installed zinc anode 10.5 kg - 44 nos QRs 365 per anode x 44 nos =QRs 16,060.00 4.5 Kg - 54 nos QRs 200 per anode x 54 nos = QRs 10,800.00	31,160.00

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Job No	Description	Line Amount
	Due to size not matching below doubler fabrication and installed by welding. 10 x 80 x 75 - 92 nos. QRs 2,300.00	
	Scaffolding arrange and removed - 08 locations QRs 2000.00	
1801	KORT NOZZLE:-	
	Job not completed, shall invoice upon completion.	
1802	PAD EYE RENEWAL:-	
	Job not completed, shall invoice upon completion.	
1803	REPAIR OF"W" FENDER MOUNTING PLATE:-	48,650.00
	W - fender replaced port and stbd side with top and bottom plate renewed. below materials used.	
	STBD side - - 16 x 240 x 3000 - radius plate - 02 nos. with 28nso. dia 45mm hole. - 16 x 240 x 720 - 03 nos. - 40mm Diameter x 720mm log - 14 nos. - Washer diameter 100 with 10 thickness with 45mm hole - 28 nos. - 07 nos. fender replaced - client supplied	
	PORT side - - 16 x 240 x 1800 - radius plate - 02 nos. with 28nso. dia 45mm	

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	hole. - 16 x 240 x 720 - 03 nos. - 40mm Diameter x 720mm long - 08 nos. - Washer diameter 100 with 10 thickness with 45mm hole - 16 nos. - 04 nos. fender replaced - client supplied Scaffolding arrange port and STBD side. As per our quotation EM 15970 B	
1804	FABRICATION OF ROPE GUARD:- Port side rope guard (2 halves) fabricated as per sample with 04 nos. rope cutter. Materials used. MS plate - 10mm x 500 x 1200 - 02 nos with 3D rolling MS plate - 16 x 70 x 3000 with rolling - 01 no. SS rope cutter 12mmx 100 x 50 - machined - 04 nos. as per sample	2,800.00
1805	DRAIN PLUG:- 02 nos. drain plug open and closed as per client request. 04 nos. drain plug open and closed KORT nozzel port and STBD side. 06 nos. drain plug open and closed of Rudder port and STBD side.Spanner fabricated for drain plug open.Scaffolding arrange and removed on two location.Fwd forepeak area berthing block removed by carpenter.	1,800.00

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Job No	Description	Line Amount
1806	WELDING REPAIR:-	450.00
	Welding repaired on pitted area 1 location on Ballast tank # 30 (Port side) in confined space, gas freed done. QRs 200.00	
	Scaffolding erected and removed. QRs 250.00	
1807	WELDING REPAIR:-	550.00
	1) Dirty oil tank sounding pipe's striker plate missing. same fixed by welding - 10mm thick x diameter 120mm 2) Bilge holding tank sounding pipe's striker plate damaged. Same fixed by welding - 10mm thick x diameter 120mm 3) 3 numbers deep pitting found. Pitting depth around 8mm. same paired by build-up welding and MPI to be done. confined space, gas freed done..	
2200	FABRICATION OF WOODEN BOX:-	
	Invoice shall be submitted upon completion.	
2201	DECK WOODS RENEWAL:-	
	Job not completed. Invoice shall be submitted upon completion.	
2400	BILGE HOLDING TANK:-	
	Job not completed. Invoice shall be submitted upon completion.	

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Job No	Description	Line Amount
2401	SLUDGE TANK:-	
	Job not completed. Invoice shall be submitted upon completion.	
2500	REPAIR OF PORT AND STBD. SIDE BLADE :-	
	Job not completed. Invoice shall be submitted upon completion.	
2501	SKIMMING OF PROPELLER BLADE:-	
	Job not completed. Invoice shall be submitted upon completion.	
2502	RE SLEEVING OF STEERING MOTORS END COVER:-	2,500.00
	Steering motors # 1 & 2 P/S NDE cover 04 nos its worn out bearing area repaired with resleeving. Final ID machined as per supplied bearing OD 62.01mm.	
2503	RE SLEEVING OF BT-1 AND 2 MOTORS END COVER:-	3,600.00
	BT-1 & 2 motors 02 nos DE & 02 nos NDE cover worn out bearing area repaired with resleeving. final ID machined as per supplied bearing OD DE 240.015mm & NDE 180.01mm.	
2504	Incl in job no 2509	
2505	MACHINING WORK (MISC):-	700.00
	As below mentioned work carried out as per client	

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Job No	Description	Line Amount
	representative instruction.01 no’s shaft flange hole modification as per drawing. (drill and reamed to 16mm)04 no’s PORT side blade carrier OD and face polishing.01 no’s BT cover hole modified as per supplied valve thread by client representative.	
2506	MACHINING WORK (MISC):-	1,000.00
	As below mentioned work carried out as per client representative instruction.03 no’s thruster liner (01 no’s seal OD length extended, 01 no’s damaged SS grub screw removed, 01 no’s ID O ring groove machined according to supplied O ring) 03 no’s BT cover hole modified as per supplied valve by client representative.	
2507	N.A	
2508	N.A	
2509	RE SLEEVING OF E/R BLOWER COVER MOTOR:-	2,500.00
	E/R blower cover PORT & STBD DE & NDE covers worn out bearing repaired with resleeving. bore enlarged, fabricated sleeve, inserted with interference fit, secured with grub screw and final machined as per supplied bearing. DE 100.01mm and NDE 90.01mm.	
2510	RE SLEEVING OF MUD CIRCULATING MOTOR COVER:-	1,550.00
	Mud circulating motor 02 nos cover DE and NDE worn out bearing	

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Job No	Description	Line Amount
	area repaired by resleeving. final ID machined as per supplied bearing 150.015mm.	
2511	RE SLEEVING OF ST MOTOR COVER:-	1,850.00
	ST motor cover 02 nos DE and NDE worn out bearing area repaired by resleeving. final ID machined as per supplied bearing OD DE 240.02mm and NDE 180.015mm.	
2800	HULL FENDERING :-	6,000.00
	Removed tyrefenders and fitted back after completion of painting works.	
	QRs 200 per tyre x 26 tyres = QRs 6,000.00	
	Cropped and renewed eyepad : QRs 275 per pc x 15 pc = QRs 4,125.00	
6000	REPAIR OF SEA WATER PIPE:-	2,180.00
	Sea water pipe and G.S. pump sea water suction pipe line repaired and renew, below material used,Ms pipe 2 1/2" 80 sch 500mm long -01 no, Ms elbow 90' 2 1/2" -02 nos, Ms flange 2 1/2' -01 nos, Ms reducer 80 sch 3x2 1/2" -01 no, Ms flange 3" -01 nos,Old pipe damage area repaired, and same new pipe fabricate -01 no, cutting grinding fit up and welding is done,Offer to client and found satisfactory.	

E & O.E

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

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QATAR NAVIGATION (QPSC)

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

INVOICE

900001
SHIP MANAGEMENT - SHIPYARD INTERCO Shipyard WS
PO Box 153, Doha - Qatar

INVOICE NO: SFWK/INV/013130/2021
DATE: 30/12/2021
EXPENSE A/C: 85.901.1434006
W/O NO: 21-011250 / 1
W/O REF: MDO21204

Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
7000	OVERHAULING OF NO:1 ALTERNATOR:-	11,800.00
	Disconnected all the cables from AVR & AVR also removed. Disconnected all power, control, instrumentation cables from bus bar terminals. Removed coupling from the drive end side. Removed PMG and non drive end cover along with stator exciter coil & all access doors are opened to carry out chemical cleaning. Removed drive end cover. Removed each side bearing. Checked insulation value of Alternators stator, rotor, and exciters and recorded. Cleaned stator & rotor winding using electrical cleaning solvent. Each end covers bearing housing calibrated. Found good. Reassembled the alternator by using ship supplied bearing and "O" rings. all bolts have been tightened properly. Checked insulation value of alternator coils & values are recorded. Re-connected AVR as per the original position. All the cables re-connected as per the original marking. Air gap checked between main stator and rotor. Report has been submitted to QAQC. Tested alternator and satisfactory running test carried out.	
	NOTE: Bearing and NDE cover supplied by owner	
7001	OVERHAULING OF NO:3 ALTERNATOR:-	11,800.00
	Disconnected all the cables from AVR & AVR also removed. Disconnected all power, control, instrumentation cables from bus bar terminals. Alternator shifted from the position for dismantling. Removed coupling from the drive end side. Removed PMG and non-drive end cover along with stator exciter coil & all access doors are opened to carry out chemical cleaning. Removed drive end cover. Removed each side bearing. Checked insulation value of Alternators stator, rotor, and exciters and recorded. Cleaned stator & rotor winding using electrical cleaning solvent. Each end covers bearing housing calibrated.	

E & O.E

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

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INVOICE NO: SFWK/INV/013130/2021
DATE: 30/12/2021
EXPENSE A/C: 85.901.1434006
W/O NO: 21-011250 / 1
W/O REF: MDO21204

Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	Found good. Reassembled the alternator by using ship supplied bearing and "O" rings. all bolts have been tightened properly. Checked insulation value of alternator coils & values are recorded. Re-connected AVR as per the original position. All the cables re-connected as per the original marking. Air gap checked between main stator and rotor. Report has been submitted to QAQC NOTE: Bearing and NDE cover supplied by owner.	
7002	DG No.2 ALTERNATOR REPAIR :- Job not completed, shall invoice upon completion.	
7003	BT 1 DRIVING MOTOR INSPECTION AND SERVICE :- Job not completed, shall invoice upon completion.	
7004	B T 2 DRIVING MOTOR INSPECTION AND SERVICE :- Job not completed, shall invoice upon completion.	
7005	STERN THRUSTER DRIVING MOTOR INSPECTION AND SERVICE :- Job not completed, shall invoice upon completion.	
7006	BLOWER OVERHAULING:- Overhauling of engine room blowers, BT blower and steering room blower. Job identified and LOTO applied. Remove all bolts and nuts of	19,544.00

E & O.E

for **QATAR NAVIGATION (Q.S.C)**
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PO Box 153, Doha - Qatar

INVOICE NO: SFWK/INV/013130/2021
DATE: 30/12/2021
EXPENSE A/C: 85.901.1434006
W/O NO: 21-011250 / 1
W/O REF: MDO21204

Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	the hatch cover. Disconnected the electrical cables with marking. Take motor insulation and noted. Take out the motor and brought to workshop. Removed fan from the motor shaft. Motor removed from the trunk. Motor dismantled. Bearings removed from the rotor. Stator and motor parts cleaned electro cleaner solvent. Bearing housing send to machine shop for calibration. Report submitted to QAQC. Stator cured in the oven. Stator insulation taken found satisfactory. Stator revarnished and reassembled by shipyard supplied bearings. Bench tested and motor fitted in the trunk. Blower shift to vessel. All foundation bolts tight and cables reconnected as per marking. Run test carried out. close all hatch covers properly. found satisfactory.	
	NOTE: Bearings supplied by shipyard.	
7007	BLOWERS:-	
	Incl in job no 7006	
7008	STEERING GEARING MOTOR:-	8,480.00
	Overhauling of steering gear motors. 4Nos. Job identified and LOTO applied. Electrical connection marked disconnected. Removed foundation bolts and coupling side bolts. motor transferred to electrical workshop. Checked motor winding insulation value noted. Dismantled motor end covers, removed existing bearing from rotor shaft. Draw out rotor unit from stator body. Clean the motors winding, other parts by using electrical cleaning solvent, cured inside the temperature control oven and re-varnished the motor windings. Checked insulation value of motor stator winding. Found out value was more than the tolerance. Checked bearing clearance of end	

E & O.E

for **QATAR NAVIGATION (Q.S.C)**
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INVOICE NO: SFWK/INV/013130/2021
DATE: 30/12/2021
EXPENSE A/C: 85.901.1434006
W/O NO: 21-011250 / 1
W/O REF: MDO21204

Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	covers and found all NDE covers oversize. Send to re-sleeving. Reading has been submitted to QC Re-assembled motor using yard supplied bearings. Re- assembled the motors and bench tested. Found OK. Shifted back to on-board and installed. Reconnected electrical cable as per marking. NOTE: Bearings supplied by yard.	
7009	AHU MOTOR:-	
	Job not completed, shall invoice upon completion.	
7010	GALLEY EXHAUST MOTOR:-	
	Job not completed, shall invoice upon completion.	
7011	OVERHAULING OF MUD CIRCULATING PUMP MOTOR:-	4,955.00
	Job identified and LOTO applied. Electrical connection marked disconnected. Removed foundation bolts and coupling side bolts. motor transferred to electrical workshop. Checked motor winding insulation value noted. Dismantled motor end covers, removed existing bearing from rotor shaft. Draw out rotor unit from stator body. Clean the motors winding, other parts by using electrical cleaning solvent, cured inside the temperature control oven and re-varnished the motor windings. Checked insulation value of motor stator winding. Checked bearing clearance of end covers and found DE & NDE covers oversize. Send to re-sleeving. Reading has been submitted to QC. Re-assembled motor using ship supplied bearings. Re- assembled the motors and bench tested. Found OK. Shifted back to on-board and installed. Reconnected electrical cable as per marking. NOTE: Bearings supplied by client.	

E & O.E

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

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DATE: 30/12/2021
EXPENSE A/C: 85.901.1434006
W/O NO: 21-011250 / 1
W/O REF: MDO21204

Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
7012	MAIN SWITH BOAD CLEANING:- Job not completed, shall invoice upon completion.	
7013	SHAFT GENERATOR REPAIR: (P & S) Job not completed, shall invoice upon completion.	
7014	OVERHAULING OF SEWAGE PUMP MOTOR:- Motor received from the vessel and shift to electrical workshop. Checked motor winding insulation value noted. Dismantled motor end covers, removed existing bearing from rotor shaft. Draw out rotor unit from stator body. Clean the motors winding, other parts by using electrical cleaning solvent, cured inside the temperature control oven and re-varnished the motor windings. Checked insulation value of motor stator winding. Checked bearing clearance of end covers and found OK. Reading has been submitted to QC. Re-assembled motor using yard supplied bearings. Re- assembled the motors and bench tested. Found OK. Shifted back to on-board and installed. Reconnected electrical cable as per marking. NOTE: Bearings supplied by yard.	2,160.00
7500	SUPPLY OF MATERIALS:- 2" Flange x 12 PCD x 4 holes x 18 mmm - 12 nos MS 2" Elbow 90 LR Sch 80 2" CS sch 80 pipe M16 x 50 mm bolts & nut GI OK 48 ESAB welding rod 2.5 mm , 7018	910.00

E & O.E

for **QATAR NAVIGATION (Q.S.C)**
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DATE: 30/12/2021
EXPENSE A/C: 85.901.1434006
W/O NO: 21-011250 / 1
W/O REF: MDO21204

Vessel Name/Description : M.V. "HALUL-27"

Job No	Description	Line Amount
	Cutting disc 1 mm Grinding disc 4 1/2"	
8000	PROPELLER BLADE:-	
	Job not completed, shall invoice upon completion.	
9100	SERVICE OF MANPOWER:-	26,915.00
	Below services are provided as per signed timesheet.	
	Crane: 580/ hour x 24 hours = QRs 13,920.00 Rigger Normal Time :47 hours x 80/ hours = QRs 3,760.00 Rigger Over time : 32 hours x 100/ hour = QRs 3200.00 Mechanic Normal Time: 21.5 hours x 90/ hour = QRs 1,935.00 Mechanic Overtime : 8 hours x 125/hour = QRs 1000.00 Forklift - 1 hours x 250/hour = QRs 250.00 Fab/Welder - 21 hours x 90 /hour = QRs 1,890.00 Fireman - 12 hours x 80/hour = QRs 960.00	
	Invoice Amount -->	609,781.50

(QAR - Six Hundred Nine Thousand Seven Hundred Eighty-One And 50/100 Only)

E & O.E

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

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MILAHA

DAY WORK SHEET FOR VESSEL/CLIENT

SF-DT-095

Name of Sub	HALUL - 27
Job order:	**MDO 21204/21-011250-9100**
Date:	30/09/2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
30/09/2021	Farook	Crane + operator	12:00PM	3:00PM	3hrs	3 pm	5pm	2hrs	Lifting shifting of Engine item
30/09/2021	Sankar	Rigger	12:00PM	3:00PM	3hrs	3 pm	5pm	2hrs	
30/09/2021	Altaf	Rigger	12:00PM	3:00PM	3hrs	3 pm	5pm	2hrs	

Milaha Shipyard

Name : Javed Hussain

Signature :

Date :

Vessel/Client

Name : Damyati Surya C/E

Signature :

Date : 02/10/2021

HALUL 27 ATNI
OFF NO : 249/07
GRT 1991 NT 597
POWER 4414
DOHA - QATAR

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MILAHA

DAY WORK SHEET FOR VESSEL/CLIENT

SF-DT-095

Name of Sub	HALUL - 27
Job order:	**MDO 21204/21-011250-9100**
Date:	17/10/2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
17/10/2021	Farook	Crane + operator	7:00AM	9:00AM	2hrs				Lifting s of Motor
17/10/2021	Sankar	Rigger	7:00AM	9:00AM	2hrs				
17/10/2021	Solaiman	Rigger	7:00AM	9:00AM	2hrs				

Milaha Shipyard

Name : Javed Hussain

Signature : For

Date :

Vessel/Client

Name : DADIYATI SURYA

Signature :

Date : 18/10/2021

ENGI R

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MILAHA

DAY WORK SHEET FOR VESSEL/CLIENT

SF-DT-095

Name of Sub	HALUL - 27
Job order:	**MDO 21204/21-011250-9100**
Date:	18/10/2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
18/10/2021	Farook	Crane + operator	9:30AM	11:30AM	2hrs				Lording of wood
18/10/2021	Jagdish	Rigger	7:00AM	11:30AM	2hrs				
18/10/2021	Poulose	Rigger	7:00AM	11:30AM	2hrs				

Milaha Shipyard

Name : Javed Hussain

Signature : For

Date :

Vessel/Client

Name : DAMYATI SURYA

Signature :

Date : 18/10/2021.

CHIEF ENGINEER

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SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250

WORK ORDER NO. MDO 21204/21-011250

CLIENT : MILAHA SHIP MANAGEMENT

Date Work Commenced : 25/09/2021

Date Work Completed :

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1806-11250	WELDING REPAIR:-

Welding repaired on pitted area 1 location on Ballast tank # 30 (Port side) in confined space, gas freed done.. Scaffolding arrange and removed.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE : Halul - 27 Master
NAME : Mr. Anto Lawrence	NAME : Mr. Aziz Ahemed	NAME :
DATE : 28-09-2021	DATE : 28-09-2021	DATE : 28.09.21

This copy is uncontrolled and authorized

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 27/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed :**

CLIENT : MILAHA SHIP MANAGEMENT

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1807-11250	WELDING REPAIR ON PIRTTING ATRA:-

1) Dirty oil tank sounding pipe's striker plate missing. same fixed by welding - 10mm thick x diameter 120mm
2) Bilge holding tank sounding pipe's striker plate damaged. Same fixed by welding - 10mm thick x diameter 120mm
3) 3 numbers deep pitting found. Pitting depth around 8mm. same paired by build-up welding and MPI to be done. confined space, gas freed done..

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE : Halul - 27 Master
NAME : Mr. Anto Lawrence	NAME : Mr. Aziz Ahemed	NAME :
DATE : 28-09-2021	DATE : 28-09-2021	DATE : 28.09.21

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 20/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed :**

CLIENT : MILAHA SHIP MANAGEMENT

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1803-11250	REPAIR OF"W" FENDER MOUNTING PLATE:-

W - fender replaced port and stbd side with top and bottom plate renewed.
below materials used.
STBD side -
- 16 x 240 x 3000 - radius plate - 02 nos. with 28nso. dia 45mm hole.
- 16 x 240 x 720 - 03 nos.
- 40mm Diameter x 720mm log - 14 nos.
- Washer diameter 100 with 10 thickness with 45mm hole - 28 nos.
- 07 nos. fender replaced - client supplied

PORT side -
- 16 x 240 x 1800 - radius plate - 02 nos. with 28nso. dia 45mm hole.
- 16 x 240 x 720 - 03 nos.
- 40mm Diameter x 720mm log - 08 nos.
- Washer diameter 100 with 10 thickness with 45mm hole - 16 nos.
- 04 nos. fender replaced - client supplied
Scaffolding arrange port and STBD side.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Mr. Anto Lawrence	NAME : Mr. Aziz Ahemed	NAME :
DATE : 28-09-2021	DATE : 28-09-2021	DATE : 28-09-21

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250

WORK ORDER NO. MDO 21204/21-011250

CLIENT : MILAHA SHIP MANAGEMENT

Date Work Commenced : 15/09/2021

Date Work Completed :

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1800-11250	ANODES:-

Removed 98 nos. zinc anode renewed (92 removed by gas cutting and grinding and 06 removed bolt)
Installed zinc anode 10.5 kg - 44 nos. and 4.5 Kg - 54 nos. - all yard supply
Due to size not matching below doubler fabrication and installed by welding.
10 x 80 x 75 - 92 nos.
Scaffolding arrange and removed - 08 locations

PROJECT MANAGER:	SUPERVISOR / FOREMAN:	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Mr. Anto Lawrence	NAME : Mr. Aziz Ahemed	NAME :
DATE : 28-09-2021	DATE : 28-09-2021	DATE : 28.09.21

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 16/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed :**

CLIENT : MILAHA SHIP MANAGEMENT

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1350-11250	ANCHORS _CHAIN:-
	Freed done of seized anchor, anchor swivel and bow shackle of port and stbd side by using gas cutting.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Mr. Anto Lawrence	NAME : Mr. Aziz Ahemed	NAME :
DATE : 28-09-2021	DATE : 28-09-2021	DATE : 28-09-21

HALUL-27 Master

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250

WORK ORDER NO. MDO 21204/21-011250

CLIENT : MILAHA SHIP MANAGEMENT

Date Work Commenced : 25/09/2021

Date Work Completed :

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1805-11250	DRAIN PLUG:-

03 nos. drain plug open and closed as per client request.
04 nos. drain plug open and closed KORT nozzel port and STBD side.
06 nos. drain plug open and closed of Rudder port and STBD side.
Spanner fabricated for drain plug open.
Scaffolding arrange and removed on two location.
Fwd forepeak area berthing block removed by carpenter.

Halul - 27 Master

02 nos drain plugs opened and closed -

PROJECT MANAGER :
SIGNATURE :
NAME : Mr. Anto Lawrence
DATE : 28-09-2021

SUPERVISOR / FOREMAN :
SIGNATURE :
NAME : Mr. Aziz Ahemed
DATE : 28-09-2021

OWNER'S REPRESENTATIVE:
SIGNATURE : Halul - 27 Master
NAME :
DATE : 28-09-21

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250

WORK ORDER NO. MDO 21204/21-011250

CLIENT : MILAHA SHIP MANAGEMENT

Date Work Commenced : 22/09/2021

Date Work Completed :

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1804-11250	FABRICATION OF ROPE GUARD:-

Port side rope guard (2 halves) fabricated as per sample and fitted with 04 nos. rope cutter.
Materials used.
MS plate - 10mm x 500 x 1200 - 02 nos with 3D rolling
MS plate - 16 x 70 x 3000 with rolling - 01 no.
SS rope cutter 12mmx 100 x 50 - machined - 04 nos. as per sample

Halul - 27 Master

Not fixed onboard; only fabricated.

PROJECT MANAGER :
SIGNATURE :
NAME : Mr. Anto Lawrence
DATE : 28-09-2021

SUPERVISOR / FOREMAN :
SIGNATURE :
NAME : Mr. Aziz Ahemed
DATE : 28-09-2021

OWNER'S REPRESENTATIVE:
SIGNATURE :
NAME :
DATE : 28.09.21

Halul - 27 Master

MILAHA

DAY WORK SHEET FOR VESSEL/CLIENT

SF-DT-095

Name of vessel/client:	HALUL - 27
Job order:	MDO-21204/21-01/250-9100
Date:	21/10/2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
21-10-21	MD: FAROOK	CRANE OPT	1PM	3PM	2HRS				MATERIAL LOADING
21-10-21	JAGDISH	RIGGER	1PM	3PM	2HRS				
21-10-21	ADDYA SING	RIGGER	1PM	3PM	2HRS				
21-10-21	LALAN	RIGGER	1PM	3PM	2HRS				

MILAH SHIPYARD Name: Javed Signature: FOR Date.	VESSEL/CLIENT. Name: DAMYATI SURYA Signature: Date: 23/10/2021 CHIEF ENGINEER HALUL - 27

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DELIVERY NOTE

S&F Work Order #:	**MDO 21204/21-011250/7500**	Completion Date:	15-11-2021
Client	M.V.HALUL -27	Client ref #	
Description of Job	SUPPLY OF MATERIAL	Client Address	

Please receive the following:

S#	Work Carried Out	Quantity	Attached Docs.
1	2" Flange x 125 PCD X 4 Holes x 18 mm	12 Nos	
2	MS 2 " Elbow 90 LR Sch80	0 8 Nos.	
3	2" cs sch80 pipe	12 Meter	
4	M16 X 50mm Bolts & nuts GI	40 PCS.	
5	OK48 ESAB welding rod 2.5mm, 7018.	02 pKT	
6	Cutting disc 1mm	20 Nos	
7	Grinding Disc 4 ½"	10 Nos	

The below boxes shall not be signed unless this document is accompanied by SF-DT-044 Release for Delivery Form

S&F Controlling Section Foreman	**Customer Receiving**
Name: AZIZ AHEMED	Name: Swarup Dhara
Signature:	Signature:
Date: 15-11-2021	Date: 15/11/21

Name of Sub	HALUL - 27
Job order:	**MDO 21204/21-011250-9100**
Date:	1/11/2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
1/11/21	Farook	Crane 80 T0n	1:00PM	2:00PM	1Hrs				
1/11/21	Biju	Rigger	1:00PM	2:00PM	1Hrs				Material Loading
1/11/21	Umesh	Rigger	1:00PM	2:00PM	1Hrs				

Milaha Shipyard

Name : Javed Hussain

Signature : Faiz

Date :

Vessel/Client

Name : Rajan

Signature :

Date : 2-11-2021

CHIEF ENGINEER

DAY WORK SHEET FOR VESSEL/CLIENT

SF-DT-105

Name of vessel/client:	M.V. "HALUL-27"
Job order:	**MDO 21204/21-011250-9100**
Date:	26-11-2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
26-11-2021	Jayadevan	Welding A/F	---	----	---	06. am	03.pm	**08.Hrs.**	**MDO 21204/21-011250-9100**
26-11-2021	K.R. Maurya	Fabricator	---	----	----	06. am	03.pm	**08.Hrs.**	**MDO 21204/21-011250-9100**
26-11-2021	Joyal	Fireman	----	-----	-----	06. am	03.pm	**08.Hrs.**	**MDO 21204/21-011250-9100**
	Services of Manpower for installation and welding of lifting pad eye in engine room.								
	Rectifier welding machine – 01 nos. Welding electrode O.K. 48. X 03.2mm. – 15 Nos Fire extinguisher---01 No			**Fire blanket – 04 mtr.** **Pad eye – 100mm x 110mm x 20mm—02 Nos** **120mm x 120mm x 20mm –01 No**					

MILAH SHIP YARD	VESSEL/CLIENT
Name: AZIZ AHEMED for Abdulkam Ebrous	Name: DIDIK PAMBUDI C/E
Signature :	Signature:
Date: 26-11-2021	Date: 27 NOV 2021

HALUL 27 / A7NI
GRT : 1991NRT : 597
OFF NO : 249 / 07
IMO NO : 9351957
POWER : 4414KW
DOHA-QATAR

Name of vessel/client:	M.V. "HALUL-27"
Job order:	**MDO 21204/21-011250-9100**
Date:	27-11-2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
27-11-2021	T.shajan	Welder	12.15 PM	1.15 PM	1.00 HRS	---	---	----	**MDO 21204/21-011250-9100**
27-11-2021	Parvaz (sub)	Welder	12.15 PM	1.15 PM	1.00 HRS	---	---	----	**MDO 21204/21-011250-9100**
27-11-2021	Joyal	fireman	12.15 PM	3.00 PM	2.75 HRS	3.00 P	4.00 PM	**01 HRS**	**MDO 21204/21-011250-9100**
27-11-2021	Ghulam ghous	fabricator	1.00 PM	3.00 PM	02 HRS	3.00 P	4.00 PM	**01 HRS**	**MDO 21204/21-011250-9100**
	+ Services of Manpower for installation and welding of lifting pad eye in engine room.								

MILAH SHIP YARD	VESSEL/CLIENT
Name: AZIZ AHEMED for Ghulam Ghous	Name: DIDIK PRAMBUDI C/E
Signature :	Signature:
Date: 27-11-2021	Date: 27 NOV 2021

HALUL 27 / A7NI
GRT : 1991NRT : 597
OFF NO : 249 / 07
IMO NO : 9351957
POWER : 4414KW
DOHA-QATAR

Name of Sub	HALUL 27
Job order:	**MDO 21204/21-011250-9100**
Date:	27/11/2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
27/11/21	~~Lila~~ FORKLIFT 15TON	Forklift	2:00PM	3:00PM	1Hrs				Removal of Engine from
27/11/21	Altaf	Rigger	12:00PM	3:00PM	3Hrs	03:00PM	9:00PM	6Hrs	Engine Room
27/11/21	Paulos	Rigger	12:00PM	3:00PM	3Hrs	03:00PM	9:00PM	6Hrs	
27/11/21	Nazeer	Rigger	12:00PM	3:00PM	3Hrs	03:00PM	9:00PM	6Hrs	
27/11/21	Upender	Rigger	7:00AM	3:00PM	8Hrs	03:00PM	9:00PM	6Hrs	
27/11/21	Mobile Crane 160 Ton		12:00PM	3:00PM	3Hrs	03:00PM	9:00PM	6Hrs	
27/11/21	Megraj	Rigger	12:00PM	3:00PM	3Hrs	03:00PM	5:00PM	2Hrs	
27/11/21	Giris	Rigger	12:00PM	3:00PM	3Hrs	03:00PM	5:00PM	2Hrs	

Milaha Shipyard

Name : Javed Hussain

Signature :

Date :

Vessel/Client

Name : NOMAZIC

Signature :

Date : 27/11/21

Halul - 27
Master

MILAHA

DAY WORK SHEET FOR VESSEL/CLIENT

SF-DT-095

Name of vessel/client:	**HALUL-27**
Job order:	MDO21204/21-11250-9100
Date:	**27-11-2021**

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
27-11-2021	Prabhakar Tiwari	Asst:Foreeman	12:15	03:00am	**2.75**	03:00pm	05:00pm	**02**	
27-11-2021	Vishnu	Mechanic	12:15	03:00am	**2.75**	03:00pm	05:00pm	**02**	
27-11-2021	Antony kiran	Diesel Mech	06:00am	11:30	**5.25**				
27-11-2021	supply 1	Mechanic	06:00am	03:00pm	**08**	03:00pm	05:00pm	**02**	
27-11-2021	supply 2	Mechanic	12:15	03:00pm	2.75	03:00pm	05:00pm	**02**	

MILAH SHIP YARD Name: P. Saravanan Signature : P. Saravanan Date: 28/11/2021	VESSEL/CLIENT : Name: CE. DIDIK PAMBUDI Signature: Date: 29 NOV 2021 ENG

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Name of Sub	HALUL - 27
Job order:	**MDO 21204/21-011250-9100**
Date:	6/11/2021

DATE	NAME	DESIGNATION	NORMAL TIME			OVERTIME			ALLOCATION/REMARKS
			FROM	TO	TOTAL	FROM	TO	TOTAL	
6/11/2021	Farook	Crane + operator	9:30AM	10:30AM	1hrs				Lording of Engine Material
6/11/2021	Biju	Rigger	9:30AM	10:30AM	1hrs				
6/11/2021	Nazeer	Rigger	9:30AM	10:30AM	1hrs				

Milaha Shipyard	**Vessel/Client**
Name : Javed Hussain	Name : NEVEN MAZIC
Signature :	Signature :
Date :	Date : 07.11.21

Halul - 27
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MILAHA of 1

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 21/10/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed :**

CLIENT : MILAHA SHIP MANAGEMENT

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
6000-11250	REPAIR OF SEA WTER PIPE:-

Sea water pipe and G.S. pump sea water suction pipe line repaired and renew, below material used,
Ms pipe 2 1/2" 80 sch 500mm long -01 no,
Ms elbow 90' 2 1/2" -02 nos,
Ms flange 2 1/2' -01 nos,
Ms reducer 80 sch 3x2 1/2" -01 no,
Ms flange 3" -01 nos,
Old pipe damage area repaired, and same new pipe fabricate -01 no, cutting grinding fit up and welding is done,
Offer to client and found satisfactory.

CHIEF ENGINEER
HALUL - 27

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE :
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : MR. ANTO LESLIE LAWRENCE	NAME : MR. AZIZ AHEMED	NAME : DAMYATI SURYA
DATE : 23-10-2021	DATE : 23-10-2021	DATE : 26/10/2021

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MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 17/10/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 30/10/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
2509-11250	RE SLEEVING OF E/R BLOWER COVER MOTOR:-

E/R blower cover PORT STBD DE _NDE covers worn out bearing repaired with resleeving. bore enlarged, fabricated sleeve, inserted with interference fit, secured with grub screw and final machined as per supplied bearing. DE 100.01mm and NDE 90.01mm.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : ANTO	NAME : ALFRED NAVEEN / PRADEEP	NAME : DAMYATI SURYA
DATE : 30-10-2021	DATE : 30-10-2021	DATE : 30-10-2021

MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 10/10/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 20/10/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
2506-11250	MACHINING WORK (MISC):-

as below mentioned work carried out as per client representative instruction.
03 no's thruster liner (01 no's seal OD length extended, 01 no's damaged SS grub screw removed, 01 no's ID O ring groove machined according to supplied O ring)
03 no's BT cover hole modified as per supplied valve by client representative.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE : For	SIGNATURE :
NAME : ANTO	NAME : ALFRED NAVEEN / PRADEEP	NAME : DAMYATI SURYA
DATE : 29-10-2021	DATE : 29-10-2021	DATE : 30.10.2021

MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 05/10/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 06/10/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
2505-11250	MACHINING WORK (MISC):-

as below mentioned work carried out as per client representative instruction.
01 no's shaft flange hole modification as per drawing. (drill and reamed to 16mm)
04 no's PORT side blade carrier OD and face polishing.
01 no's BT cover hole modified as per supplied valve thread by client representative.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE
SIGNATURE :	SIGNATURE : FOR	SIGNATURE :
NAME : ANTO	NAME : ALFRED NAVEEN / PRADEEP	NAME : DAMYATI SURYA
DATE : 29-10-2021	DATE : 29-10-2021	DATE : 30-10-2021

Revision 2.0 Issue Date 10/03/2019

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SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 26/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 10/10/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
2503-11250	RE SLEEVING OF BT-1 AND 2 MOTORS END COVER:-

BT-1 2 motors 02 nos DE _02 nos NDE cover worn out bearing area repaired with resleeving. final ID machined as per supplied bearing OD DE 240.015mm _NDE 180.01mm.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : ANTO	NAME : ALFRED NAVEEN	NAME : CO. DIDIK P.
DATE : 26-10-2021	DATE : 26-10-2021	DATE : 03 NOV 2021

Revision 2.0 Issue Date 10/03/2019

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SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 17/10/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 01/11/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
2510-11250	RE SLEEVING OF MUD CIRCULATING MOTOR COVER:-

Mud circulating motor 02 nos cover DE and NDE worn out bearing area repaired by resleeving. final ID machined as per supplied bearing 150.015mm.

CHIEF ENGINEER

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : ANTO	NAME : ALFRED NAVEEN	NAME : CODIOIK P
DATE : 02-11-2021	DATE : 02-11-2021	DATE : 03 NOV 2021

Revision 2.0 Issue Date 10/03/2019

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SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250
WORK ORDER NO. MDO 21204/21-011250
CLIENT : MILAHA SHIP MANAGEMENT

Date Work Commenced : 17/10/2021
Date Work Completed : 30/10/2021

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
2511-11250	RE SLEEVING OF ST MOTOR COVER:-

ST motor cover 02 nos DE and NDE worn out bearing area repaired by resleeving. final ID machined as per supplied bearing OD DE 240.02mm and NDE 180.015mm.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : ANTO	NAME : ALFRED NAVEEN	NAME : CO. DIDIK P.
DATE : 02-11-2021	DATE : 02-11-2021	DATE : 03 NOV 2021

MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 26/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 29/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
2502-11250	RE SLEEVING OF STEERING MOTORS END COVER:-

Steering motors # 1 _2 P/S NDE cover 04 nos its worn out bearing area repaired with resleeving. Final ID machined as per supplied bearing OD 62.01mm.

CHIEF ENGINEER
HALUL - 27

PROJECT MANAGER :
SIGNATURE :
NAME : ANTO
DATE : 26-10-2021

SUPERVISOR / FOREMAN :
SIGNATURE :
NAME : ALFRED NAVEEN
DATE : 26-10-2021

OWNER'S REPRESENTATIVE:
SIGNATURE :
NAME : COL. OIDIK P.
DATE : 03 NOV 2021

Revision 2.0 Issue Date 10/03/2019

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SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 16/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 27/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT

1201-11250 UNDERWATER AREA TREATMENT AND PAINTING:-

Underwater area of approx 2000 square metres (Including Sea Chest, Bow Thruster Tunnel, Kort nozzle) treated and painted as per paint manufacturer's representative's recommendation and your representative's instruction.
Following rates to be applied:-
Hand scraping to remove marine growth.
H.P. jet washing using fresh water.
Full Grit blast SA 2.0
Hosing down with fresh water, two times
Applied one coat primer (100% area) Jota mastic 80 alu red toned
Applied full coat of sealer - safe guard UNI plum
Applied one full coat of antifouling sea force active dark red
Disposal of used grit/garnet/waste water which mixed with ferros, paint, oil and chemical,collection, transportation and safe disposal as per Qatar safety envionment regulation in Mesaieed, total 80 ton.disposed
Notes:
All paint composition, thinners and tool cleaners supplied by client.
The painting area on spot blasted location will be calculated @ 25% extra per touch up coat.
Excluding carrying out removal and refitting of sea grids. Allowed for removal of existing DFT up to 600microns. If more, will be charged as additional DFT more than 1200mic
The following will be additional to above prices:-
Scaffolding erected will be charged extra as per tarrif rates.
Removing / refitting, cleaning and painting sea chest grids and bow thruster grids for access.

Halul - 27
Master

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Anto/George	NAME : Venkatesh. I	NAME : Olgo Lebo
DATE : 30/09/2021	DATE : 30/09/2021	DATE : 30.09.21

MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 16/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 27/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT

1200-11250 TOPSIDE AREA TREATMENT AND PAINTING:-

Top side area an approx of 700 square metres treated and painted as per paint manufacturer's representative's recommendation and your representative's instruction.

Following rates to be applied:
H.P. jet washing with fresh water.
Spot blasting (70 % of area using grit)
Hosing down with fresh water.
Applied one touch up coat primer (70% area), Jotamastic 80 alu red toned
Applied one t/up top coat Hard Top XP orange
Applied one full top coat - Hard Top XP Orange

All paint composition, thinners and tool cleaners to be supplied by you.

Above rates for grit blasting, grit sweeping and spot blasting are based on using copper slag grit.

Halul - 27 Master

PROJECT MANAGER :	SUPERVISOR / FOREMAN:	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Anto/George	NAME : Venkatesh. I	NAME : OKTO LEPIBO
DATE : 30/09/2021	DATE : 30/09/2021	DATE : 30.09.21

MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 16/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 27/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1202-11250	HULL MARKING:-

Painting existing name, homeport, draught marks _load line marks with two coats white gloss (owner's supply paint).

Halul - 27 Master

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Anto/George	NAME : Venkatesh. I	NAME : DIKTO LEYBA
DATE : 29/09/2021	DATE : 29/09/2021	DATE : 30.09.21

Revision 2.0 Issue Date 10/03/2019

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SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 16/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 26/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT
1203-11250	CHAIN LOCKER CLEANING:-

Port and stbd. Chain lockes opened.

Area cleaned removed mud --4 ton
Hp jet washing and pump out mopdry
Applied with one coat owner supply paint. (jotmastic smart pack alu)
Internal floor plates or gratings cleaned, painted and refitted.

Halul - 27 Master

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Anto/George	NAME : Venkatesh. I	NAME : OKTU LEYBO
DATE : 19/09/2021	DATE : 29/09/2021	DATE : 30.09.21

MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 15/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 15/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT

1100-11250 BERTH PREPARATION, DOCKING AND UNDOCKING:-

Standard berth preparation in floating dock, docking and undocking.

Notes:-
Excluding tug assistance. This arranged by your local agent, if required.
Draught at docking condition should not exceed than 4.00 mtrs. even keel.
Echosounder and Dopler log transducers shoud be clear from blocks, care taken while docking the vessel, before start hull sand blasting the transducers should be protected from damages.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE :
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Anto/George	NAME : Venkatesh. I	NAME : DIDO LEYBO
DATE : 28/09/2021	DATE : 28/09/2021	DATE : 30.09.21

Halul - 27

Revision 2.0 Issue Date 10/03/2019

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MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250

WORK ORDER NO. MDO 21204/21-011250

CLIENT : MILAHA SHIP MANAGEMENT

Date Work Commenced : 15/09/2021

Date Work Completed : 27/09/2021

JOB NO.	DESCRIPTION OF WORK CARRIED OUT

1400-11250 SEA CHEST _GRIDS:-

3 Nos. sea grid to be removed. Sea chests and grids treated and painted as per underwater area treatment and painting specification. Later grids to be refitted on completion, each.
Grit blast sea chest and grids to SA 2.0, each
Staging, per location.

"Note:- Excluding renewal of rubber lining and same to be quoted after inspection.
Above rate does not include renewal of bronze / stainless steel studs, bolts and washers. All paint compositions to be supplied by client.

PROJECT MANAGER :	SUPERVISOR / FOREMAN	OWNER'S REPRESENTATIVE:
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Anto/George	NAME : Venkatesh. I	NAME : DAMYANTI SURYA
DATE : 30/09/2021	DATE : 30/09/2021	DATE : 30/09/2021

CHIEF ENGINEER HALUL

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SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 19/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 27/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT

1250-11250 BILGE AREA CLEANING:-

Bilge area to be clean under the engine, Cleaners to be provided on timesheet basis.

Yard provided dirty tanks
Collect and disposed oil on shore total --- 11.5m3

Note: Bilge oil/sludge disposal shall be extra.

PROJECT MANAGER :	SUPERVISOR / FOREMAN :	OWNER'S REPRESENTATIVE
SIGNATURE :	SIGNATURE :	SIGNATURE :
NAME : Anto/George	NAME : Venkatesh. I	NAME : DAMXATI / SUTXA
DATE : 29/09/2021	DATE : 29/09/2021	DATE : 30/09/2021

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MILAHA

SHIP REPAIRING AND FABRICATION DIVISION - WORK COMPLETED REPORT SF-DT-016

PROJECT NAME : M.V. HALUL 27-11250 **Date Work Commenced : 16/09/2021**

WORK ORDER NO. MDO 21204/21-011250 **Date Work Completed : 26/09/2021**

CLIENT : MILAHA SHIP MANAGEMENT **Page 1 of 1**

JOB NO.	DESCRIPTION OF WORK CARRIED OUT

1350-11250 ANCHORS _CHAIN:-

Anchor and chain lowered using ship winch and yard crane for ranging the floor

HP jet washing

Calibrated and issue certificate

Restore back on position

Halul - 27
Master

PROJECT MANAGER :
SIGNATURE :
NAME : Anto/George
DATE : 28/09/2021

SUPERVISOR / FOREMAN :
SIGNATURE :
NAME : Venkatesh. I
DATE : 28/09/2021

OWNER'S REPRESENTATIVE:
SIGNATURE :
NAME : OLE TO LEMBO
DATE : 30.09.21

Marine & Technical Services
Maritime & Logistics
Gas & Petrochem
Offshore Marine
Capital

MILAHA

Date : 16-09-2021
Ref. No. : EM 15970
Attn. : Milaha Shipmanagement W.L.L, Mr. Paul Michael Schaab
Subject : M. V Halul 27 – Drydocking Repairs

Dear Sir,

With reference to the subject above, we are pleased to submit our quotation for the above scope of work as follows:

1. **SCOPE OF WORK:**
   - As per attachment no. 1 – Scope of work and pricing.

2. **GENERAL CONDITIONS:**
   - Milaha Shipyard Terms and conditions will be applicable.
   - Our quoted rates are based on work being carried out during normal working time Saturday to Thursday 06.00 hours to 15.00 hours - 8 hours.
   - Firm schedule for work execution shall be provided by production-planning section.
   - For timesheet jobs, issuance of work permits, supervision and safety surveillance is not shipyard scope. This has to be taken care by client.

3. **ATTACHMENTS:**
   - Attachment No.1: Scope of Work and Pricing

4. **PAYMENT TERMS:**
   - As per Milaha Policy.

5. **VALIDITY:**
   - Our offer is valid for 30 days from the date mentioned on this letter.

Trusting this meets your approval and assuring you of our best attention at all times.

Yours faithfully,

For

Patryk Ryszard Michalak
Manager – Sales & Marketing
Milaha Ship Repair & Fabrication Division

DATE: 15.09.2021

VESSEL NAME: M.V. HALUL 27

REF NO: EM 15970

#	DESCRIPTION	UNIT PRICE (QRs)	TOTAL PRICE (QRs)
	Reblasting of surface due to rain/change in climate will be extra.		
	Blasting using garnet will be charged 40% extra.		
4.05	**HULL MARKING :-**		
	Painting existing name, homeport, draught marks & load line marks with two coats white gloss (owner's supply paint).		3,800
7.9.01,03	**BOW THRUSTER No 1 & No 2 :-**		
	All seals to be replaced, thurster coupling, grating remove/refit both side, drain the oil, erect/remove staging to access the work place, and support manufacture service technician on seals replacement then re-install and alignment the electric motor. Blades and hub to be polished. DP /MPI test to carried out by yard QC and submit report	19944	39,888
	Skimming of thruster blade - 2 nos	1850	3,700
	Note:		
	Client will arrange service engineer.		
	All spares owner supply.		
	Any machining works/ any repairs not mentioned above shall be extra.		
4.05	**STERN THRUSTER No 1 :-**		
	All seals to be replaced. Remove electric motor, Thurster coupling, grating remove/refit both side, drain the oil, erect/remove staging to access the work place, and support manufacture service tech on seals replacement then re-install and alignment the electric motor. Blades and hub to be polished and blades to be skimmed if required.DP /MPI test to carried out by yard QC and submit report	20184	20,184
	Skimming of thruster blade - 1 nos	1850	1,850
	Note:		
	Client will arrange service engineer.		
	All spares owner supply.		
	Any machining works/ any repairs not mentioned above shall be extra.		
55.9.01	**PROPELLER:- (P & S)**		
	Port and stbd side propulsion works		89,788
	Both propeller shaft earthing to be checked & serviced.		
	Port propeller shaft wear down & Rudder clearances readings to be take recorded and sent to the Supt soon as possible. Rudder, Rope guards to be removed, propeller shaft to be removed, Blade seals to be replaced with owner supplied one , O/D box to be O/H and both stern tube forward & aft seals to be O/H and new seals installed. Check seal runner condition and replace if need be. All this is under the guidance of the Berg Tech. Blades and hub to be polished.		
	Stbd propeller shaft wear down & Rudder clearances readings to be take recorded and sent to the Supt soon as possible. Rudder, Rope guards to be removed, propeller shaft to be removed, Blade seals to be replaced, O/D box to be O/H and both stern tube forward & aft seals to be O/H and new seals installed. Stbd propeller hub to be removed & overhauled at workshop. Check seal runner condition and replace if need be. All this is under the guidance of the Berg Tech. Require man power to allow Berg to carry out his work scope and complete. Blades and hub to be polished.		
	Calibration of stbd side hub parts to be carried out.		
	DP/MPI test for hub/propeller blades to be carried out and report to be submitted.		
	Note:		
	Hub removal only for stbd side.		
	Client will arrange service engineer.		
	All spares owner supply.		
	All machining works/ any repairs not mentioned above shall be extra.		
	KORT NOZZLE (P):-		
	Port side Kort Nozzle has a circumferential crack on it, same to be repaired to Class requirements		
	Necessary Fabricator and welder to be provided.		
	Quote after inspection or upon surveyor inspection.		
	OVERHAULING OF VALVES :-		
	Overhauling of following valves to be carried out (43 valves in total)		50,471

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VESSEL NAME: M.V. HALUL 27
REF NO: EM 15970

#	DESCRIPTION	UNIT PRICE (QRs)	TOTAL PRICE (QRs)
	Remove from the location, transport to workshop, clean all exposed parts, light hand scrapping, check bedding and reassemble with new cover joint and repacking gland with soft packing. Carry out gravity test and fit onboard. 1.Main sea chest valve Port & Stbd DN 300 gate valve- 2 nos 2.Main Engine over board valve Port &stbd DN 150 Angle globe valve-2 nos 3.Auxiliary engine over board valve DN 150NRV -1 no 4.Bilge and ballast pump suction and overboard valve DN 80 Globe valve-2 nos 5.AC cooling pump Suction and discharge valve of pump no. 1&2 DN 100 globe valve-4 nos 6.AC overboard valve-DN150 angle globe-1 no 7.Main engine sea water cooling pump no.1&2 suction and discharge valve DN 200 globe valve-4no 8.Port side LT cooler sea water discharge and back flushed valve DN 150 Globe valve-5 nos 9.Stbd side LT cooler sea water discharge and back flushed valve DN 150 Globe valve 5 nos 10.Mud circulating pump over board valve DN 80NRV -1 no 11.Sewage over board valve DN 150 storm valve-2 nos 12.GS /Fire pump discharge valve to fire line DN80 globe valve -1 no 13.GS fire pump ballast valve DN 80 globe valve-1 no 14.AC condenser 1/2 inlet and outlet valve DN100 globe valve-2nos 15.Sewage unit fill/dis valves DN150Gate valve-2no; DN50 gate valve -3nos ; DN50 globe valve-2 nos 16.GS /Fire pump discharge valve to emergency cooling to AC and reefer DN80 globe valve-1no - 17.Oily water separator DN 80Globe valve-1no (port) 18.Emergency bilge suction valve DN 200 globe valve-1 no		
	Notes:-		
	All machining works/any repair excluded.		
	Price for access works for valve removal/refit works		16,080
2.5	**SHAFT GENERATOR : (P & S)**		
	Shaft generator to have the air gap to be taken prior dismantling. Bearings to be changed, winding cleaned, assembled air gap taken and aligment to be carried out. All clearance to be submitted in the report.	39184	78,368
	Consider for all works to be carried in situ.		
	Owner will supply the new bearings.		
	All access works/machining works/repairs/renewals excluded.		
	DG ALTERNATOR - 3 NOS		
4.11.5	DG No1 ALTERNATOR:-		
	DG Alternator Air gap taken prior dismantling, bearing changed and internally chemical cleaned and then re-assembled (final air gap taken and report submitted). Consider for all works to be carried in situ.	11800	11,800
	Bearings to be supplied by owner.		
	Notes:- Machining works/any repairs/renewals excluded.		
5.11.6	DG No.2 ALTERNATOR:-		
	DG Alternator Air gap taken prior dismantling, bearing changed and internally chemical cleaned and then re-assembled (final air gap taken and report submitted).Bearings to be supplied by owner.Consider for all works to be carried in situ.	11800	11,800
	Notes:- Machining works/any repairs/renewals excluded.		
6.11.9	DG No.3 ALTERNATOR :-		
	DG Alternator Air gap taken prior dismantling, bearing changed and internally chemical cleaned and then re-assembled (final air gap taken and report submitted).Bearings to be supplied by owner.Consider for all works to be carried in situ.	11800	11,800
	Notes:- Machining works/any repairs/renewals excluded.		
	BOW AND STERN THRUSTER MOTORS - 3 NOS		
7.09.3	BT 1 DRIVING MOTOR INSPECTION AND SERVICE :-	25933	25,933
	The driving motor needs to remove,dismantle, inspect, clean and service in situ , fit back in position.		
	Replace the bearing with owner supplied one.		
	Notes:- Machining works/any repairs/renewals excluded.		
8.9.5	B T 2 DRIVING MOTOR INSPECTION AND SERVICE :-	25933	25,933
	The driving motor needs to remove,dismantle, inspect, clean and service in situ , fit back in position.		
	Replace the bearing with owner supplied one.		
	Notes:- Machining works/any repairs/renewals excluded.		
9.09.2	STERN THRUSTER DRIVING MOTOR INSPECTION AND SERVICE :-	27383	27,383
	The driving motor needs to remove,dismantle, inspect, clean and service in situ , fit back in position.		

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VESSEL NAME: M.V. HALUL 27

REF NO: EM 15970

#	DESCRIPTION	UNIT PRICE (QRs)	TOTAL PRICE (QRs)
	Replace the bearing with owner supplied one.		
	Notes:- Machining works/any repairs/renewals excluded.		
	ELECTRICAL MOTOR OVERHAULING :-		
38.05.01	BLOWERS:-		
	Following blower motors to be removed , overhauled, bearing changed , megger tested (all results submitted on the report) and re-installed on the vessel and tested.		
	E/R blower 1 no	6980	6,980
	BT Room blower 1 no	6282	6,282
	Steering room blower motor 1 no	6282	6,282
	Notes:- Machining works/any repairs/rewinding/renewals excluded.		
38.05.02	BLOWERS:-	2080	2,080
	Officer's deck toilet blower motor to be removed , overhauled, bearing changed ,megger tested (all results submitted on the report) and re-installed on the vessel and tested.		
	Notes:- Machining works/any repairs/rewinding/renewals excluded. Bearing cost shall be extra+10% markup		
38.05.03	STEERING MOTORS:-	2120	8,480
	All 4 Nos steering motors needs to be removed , overhauled, bearing changed megger tested (all results submitted on the report) and re-installed on the vessel and tested.		
	Notes:- Machining works/any repairs/rewinding/renewals excluded. Bearing cost shall be extra+10% markup		
38.05.06	FIRE PUMP MOTOR:-	2120	2,120
	Emergency fire pump motor needs to be removed , overhauled, bearing changed , megger tested (all results submitted on the report) and re-installed on the vessel and tested.		
	Notes:- Machining works/any repairs/rewinding/renewals excluded. Bearing cost shall be extra+10% markup		
38.05.08	AHU MOTOR:-	4890	4,890
	AHU motor needs to be removed , overhauled, bearing changed megger tested (all results submitted on the report) and re-installed on the vessel and tested.		
	Notes:- Machining works/any repairs/rewinding/renewals excluded. Bearing cost shall be extra+10% markup		
38.05.09	GALLEY EXHAUST MOTOR:-	2150	2,150
	Galley supply & exhaust blower motors needs to be removed , overhauled, bearing changed megerr tested (all results submitted on the report) and re-installed on the vessel and tested.		
	Notes:- Machining works/any repairs/rewinding/renewals excluded. Bearing cost shall be extra+10% markup		
38.05.13	MUD CIRCULATING PUMP MOTOR:	4955	4,955
	Mud circulating pump motor need to be removed , overhauled, bearing changed megger tested (all results submitted on the report) and re-installed on the vessel and tested.		
	Notes:- Machining works/any repairs/rewinding/renewals excluded. Bearing cost shall be extra+10% markup		
53-02..01	SWITCH BOARD CLEANING:-		
	Main Switch Board and Emergency Switch Board needs to have tightening check and cleaning.	4450	4,450
	Note: Any repairs/renewals shall be extra.		
9.16.1	**DECK WOODS RENEWAL :-**		
	Remove existing wood from deck and fit new owner supplied wood 300 nos, deck wood securing plate to be cut open for access later new plate to be refitted and welded.		49,500
	Client supplied wooden planks to be plained , per pc	40	
	All other access works excluded.		
	Maindeck wood removed area including aft area steel plate of approx 400 m2 area to be treated and painted as per owners representative instruction. Following rates are applied		
	HP jet washing		6,400
	Grit blast to SA 2.0		26,000
	Hose down with fresh water		1,280
	Apply with one coat primer		2,240
	Deck around area scaffolding and covering to be carried out during blasting of deck area.		4,950
	Disposal of used grit.		3,840
	TANK CLEANING :-		
34.10.01	2 nos bunker tank oil to be removed, cleaned and wiped with cotton rags	3790	7,580
34.20.03	DAYS TANKS:-	4500	9,000

DATE: 15.09.2021

VESSEL NAME: M.V. HALUL 27

REF NO: EM 15970

#	DESCRIPTION	UNIT PRICE (QRs)	TOTAL PRICE (QRs)
	Port & Stbd fuel oil day tanks to be opened, ventilated and gas free, and then cleaned.		
34.20.04	F/O TANK:-	4490	4,490
	Fuel oil tank #6 port needs to be opened up , ventilated and checked & cleaned if required once gas free certification.		
34.20.05	SETTLE TANK:-	4490	4,490
	Fuel oil tank #7 stbd needs to opened , ventilated, gas free then checked and cleaned if required.		
34.20.06	SETTLE TANK:-	4490	4,490
	Fuel oil settling tank #14 port needs to be opened, ventilated, gas free and cleaned if required.		
34.20.07	SETTLE TANK:-	4490	4,490
	Fuel oil settling tank #18 stbd needs to be opened, ventilated, gas free and cleaned if required.		
34.20.11	FUEL OIL :-	4490	4,490
	Fuel oil overflow tank #17 C needs to be opened, ventilated, gas free and then cleaned if required.		
34.20.12	LUBE OIL:-	4490	4,490
	Main engine lube oil storage tank# 10 port side needs to be open, ventilated, gas free and then cleaned.		
	Notes:		
	All access /scaffolding works excluded.		
	Dirty oil/sludge pump out and disposal shall be extra.		

Marine & Technical Services
Maritime & Logistics
Gas & Petrochem
Offshore Marine
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MILAHA

Date : 21-09-2021
Ref. No. : EM 15970 B
Attn. : Milaha Shipmanagement W.L.L, Mr. Paul Michael Schaab
Subject : M. V Halul 27 – Drydocking Repairs

Dear Sir,

With reference to the subject above, we are pleased to submit our quotation for the above scope of work as follows:

1. **SCOPE OF WORK:**
   - As per attachment no. 1 – Scope of work and pricing.

2. **GENERAL CONDITIONS:**
   - Milaha Shipyard Terms and conditions will be applicable.
   - Our quoted rates are based on work being carried out during normal working time Saturday to Thursday 06.00 hours to 15.00 hours - 8 hours.
   - Firm schedule for work execution shall be provided by production-planning section.
   - For timesheet jobs, issuance of work permits, supervision and safety surveillance is not shipyard scope. This has to be taken care by client.

3. **ATTACHMENTS:**
   - Attachment No.1: Scope of Work and Pricing

4. **PAYMENT TERMS:**
   - As per Milaha Policy.

5. **VALIDITY:**
   - Our offer is valid for 30 days from the date mentioned on this letter.

Trusting this meets your approval and assuring you of our best attention at all times.

Yours faithfully, For

Patryk Ryszard Michalak
Manager – Sales & Marketing
Milaha Ship Repair & Fabrication Division

DATE: 20.09.2021

VESSEL NAME: M.V. HALUL 27

REF NO: EM 15970 B

#	DESCRIPTION	UNIT PRICE (QRs)	TOTAL PRICE (QRs)
1	**W FENDER RENEWAL :-**		
1.1	Crop and remove exixting fenders and mounting plate on port and stbd side. New plate of 20 mm thick to be faricate and weld as mounting plate. Necessary holes to be fabricate and insert new pin.Install new W fenders with fittings supplied by ship staff.	21220	42,440
	Erect and remove scaffolding - 2 sides	3105	6,210
	Material : MS		

Marine & Technical Services
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MILAHA

Date : 30-09-2021
Ref. No. : EM 15970 C
Attn. : Milaha Shipmanagement W.L.L, Mr. Paul Michael Schaab
Subject : M. V Halul 27 – Drydocking Repairs

Dear Sir,

With reference to the subject above, we are pleased to submit our quotation for the above scope of work as follows:

1. **SCOPE OF WORK:**
   - As per attachment no. 1 – Scope of work and pricing.

2. **GENERAL CONDITIONS:**
   - Milaha Shipyard Terms and conditions will be applicable.
   - Our quoted rates are based on work being carried out during normal working time Saturday to Thursday 06.00 hours to 15.00 hours - 8 hours.
   - Firm schedule for work execution shall be provided by production-planning section.
   - For timesheet jobs, issuance of work permits, supervision and safety surveillance is not shipyard scope. This has to be taken care by client.

3. **ATTACHMENTS:**
   - Attachment No.1: Scope of Work and Pricing

4. **PAYMENT TERMS:**
   - As per Milaha Policy.

5. **VALIDITY:**
   - Our offer is valid for 30 days from the date mentioned on this letter.

Trusting this meets your approval and assuring you of our best attention at all times.

Yours faithfully,

For

Patryk Ryszard Michalak
Manager – Sales & Marketing
Milaha Ship Repair & Fabrication Division

DATE: 30.09.2021

VESSEL NAME: M.V. HALUL 27

REF NO: EM 15970 C

#	DESCRIPTION	UNIT PRICE (QRs)	TOTAL PRICE (QRs)
1	**THRUSTER OVERHAULING :-**		
1.1	Thruster -1no received in mechanical workshop. Dismantle and clean all the parts, calibration and DP check to be carry out on all the parts. After inspection assembly to be done.		13,680
	Notes:		
	Removal/installation of thruster onboard shall be extra.		
	Machining/ any repairs shall be additional		
	Service engineer required to be arrange by client.		
	All spares owner supply.		

Date : 20-09-2021
Ref. No. : EM 15970 A
Attn. : Milaha Shipmanagement W.L.L, Mr. Paul Michael Schaab
Subject : M. V Halul 27 – Drydocking Repairs

Dear Sir,

With reference to the subject above, we are pleased to submit our quotation for the above scope of work as follows:

1. **SCOPE OF WORK:**
   - As per attachment no. 1 – Scope of work and pricing.

2. **GENERAL CONDITIONS:**
   - Milaha Shipyard Terms and conditions will be applicable.
   - Our quoted rates are based on work being carried out during normal working time Saturday to Thursday 06.00 hours to 15.00 hours - 8 hours.
   - Firm schedule for work execution shall be provided by production-planning section.
   - For timesheet jobs, issuance of work permits, supervision and safety surveillance is not shipyard scope. This has to be taken care by client.

3. **ATTACHMENTS:**
   - Attachment No.1: Scope of Work and Pricing

4. **PAYMENT TERMS:**
   - As per Milaha Policy.

5. **VALIDITY:**
   - Our offer is valid for 30 days from the date mentioned on this letter.

Trusting this meets your approval and assuring you of our best attention at all times.

Yours faithfully,

Patryk Ryszard Michalak
Manager – Sales & Marketing
Milaha Ship Repair & Fabrication Division

DATE: 20.09.2021

VESSEL NAME: M.V. HALUL 27

REF NO: EM 15970 A

#	DESCRIPTION	UNIT PRICE (QRs)	TOTAL PRICE (QRs)
1	**ENGINE ROOM BILGES AREA CLEANING :-**		
1.1	Clean the bilges area with cotton rags by yard cleaners (Final price will be based on timesheets)		12,000
	Following below items will be additional to above :		
1.2	Pump out fuel oil and disposing, price per ton	275	
1.3	Removal of sludge and disposing , price per m3	700	
	Notes:		
	Final amount will be based on timesheets signed. Cleaner price per man per hour @ QRs 50.00		
	All access /scaffolding works excluded.		
	Dirty oil/sludge pump out and disposal shall be extra.		