

ITT- Invitation to Tender

Deepwater Tugs required Time Charter in Nigeria

- A. Time Charter duration of up to four (4) years plus one (1) year optional extension.
- B. Tenders must be valid for at least 1 year from the Tender due date
- C. Vessel inspection exercise is scheduled to hold in Nigeria by the fourth quarter of 2017
- D. List of offshore vessels required:

1. AHTS 120T BOLLARD PULL TO SUPPORT DEEPWATER OPERATIONS

PROVISION OF AHTS 120T BOLLARD PULL TO SUPPORT DEEPWATER OPERATIONS			
NAME OF BIDDER:			
OFFICE ADDRESS OF BIDDER:			
Criteria ID	MINIMUM REQUIREMENT	MINIMUM SPECIFICATION	BIDDER SPECIFICATIONS Please answer questions, attach documentation and indicate "yes" or "no" as applicable
1	MANDATORY REQUIREMENTS		
1.1	Corporate Registration in Nigeria	Provide verifiable proof of current corporation/ company registration in Nigeria	
1.2	Name of Vessel & Current Location	State name & location of vessel	
1.3	Flag of Vessel	Provide Flag of Vessel or attach waiver certificate in lieu of Nigerian flag or letter of undertaking to provide copy before mobilization	
1.4	Certificate of Registry	Provide Certificate of Registry	
1.5	Class Certificate	Provide copy of Class Certificate Recognized by International Association Of Class Society or NIMASA Certificate of Survey	
1.6	Place of Build/ Vessel Manufacturer	Indicate place of build and vessel Manufacturer?	
1.7	NIMASA Shipping Company Registration	Attach copy of current NIMASA Shipping Company Registration or letter of undertaken to provide NIMASA registration before mobilization	
1.8	NNRA Radioactive Material Transportation	Provide certification	
1.9	Current Service Specific DPR Registration	Provide verifiable proof of current Service specific DPR registration in Nigeria	
1.10	Year Built	2010 or later	
2	SAFETY HEALTH & ENVIRONMENT		
2.1	Safety Management System assessment: Contractor Evaluation Questionnaire (CEQ)	Complete Contractor Self-assessment Evaluation Questionnaire (CSEQ). Contractor Evaluation Questionnaire (CEQ) will be used for eventual assessment	

2.2	Work Management System	Bidder confirms that it has a permitting system in place (ei. Confined space entry, lock out / tag out)	
2.3	HSE Organization	Attach copy of Bidder's HSE Organization Chart with Roles and Responsibilities and employee names	
2.4	Drug & Alcohol Policy	Attach copy of Bidder's Drug & Alcohol Policy and evidence of compliance	
2.5	Health Management Plan	Attach copy Health and Safety Policy	
2.6	Personnel Safety Statistics	Provide Personnel Safety Statistics for Owner <u>and</u> Vessel	
2.7	Incident Investigation Plan	Attach Incident Investigation Plan (include Near Miss reporting and lessons learned program, Hazard ID reporting & action item closure program, Behavior Based Safety Program, Occupational Health Program, Safety Award Program, Food Handlers hygiene and safe food handling program)	
3	TECHNICAL SPECIFICATION		
3.1	Length Overall	Minimum requirement: 67 meters (220 ft.)	
3.2	Beam	Minimum requirement: 13 meters (42 ft.)	
3.3.	Draft (Maximum Summer)	Minimum requirement: Maximum 4 meters (14 ft.)	
3.4	Deadweight at tropical load line draft (minimum)	Minimum requirement: 1,100 MT	
3.5	Deck Load - metric tons	Minimum requirement: 900 MT	
3.6	Deck strength	Minimum requirement: 15MT/sq.mtr Aft, 10MT/ sq. mtr Fwd	
3.7	Clear Deck Area - square meters	Minimum requirement: 350 sq.meters	
4	CARGO CARRYING & DISCHARGE CAPACITIES		
4.1	Fuel Capacity	Minimum requirement: 750 m3	
4.2	Fuel Discharge Rate (1-cubic meter per hour/ pump)	Minimum requirement: 1 x 250 at 9 bar	
4.3	Fuel Discharge Line (1-size and connection type)	Minimum requirement: 2 each 4 inch Port & Stbd Side	
4.4	Fuel Consumption (liters/ day)	Provide fuel consumption at specified speed levels:	
		Service/ cruising speed	
		Max speed	
		Idle speed	
4.4	Fuel Consumption (liters/ day)	Economic speed	
4.5	Fuel Transfer Hoses (certified, in good condition and fitted with floatation collar)	Minimum requirement: 2 each 4 inch x 50 meter with Camlock male and female fittings	
4.6	Customized Fuel Consumption Curve	Minimum requirement: Provide customized fuel consumption curve from engine manufacturer	
4.7	Class Endorsed Sea Trial Report	Minimum requirement: Provide a copy of Class endorsed Sea Trial report	
4.8	Calibrated Coriolis Fuel Loading /Discharging meter	Minimum requirement: Provide make and model	

4.9	Class Endorsed Tank Calibration Table	Minimum requirement: Available / Provide Class endorsed Tank Calibration Table	
4.1	Fresh Water Capacity	Minimum requirement: 900 m3	
4.11	Fresh Water Maker (reverse osmosis or waste heat vacuum type)	Minimum requirement: 10 cubic meters per day	
4.12	Fresh Water Discharge Rate (cubic meters per hours/ pumps)	Minimum requirement: 1 x 150 at 9 bar	
4.13	Fresh Water Discharge Line (size and connection type)	Minimum requirement: 1 each 4 inch – WECO connections.	
4.14	Oil Recovery Capacity (cubic meters)	Minimum requirement: Available (please indicate)	
4.15	Oil Recovery Discharge capacity (cubic meters/hour/pump)	Minimum requirement: Please indicate	
4.16	Fuel Oil Separator	Minimum requirement: Available (please indicate)	
4.17	Oily Bilge Water Separator	Minimum requirement: Available (please indicate)	
4.18	Sewage Treatment Plant or Holding Tank	Minimum requirement: Available (please indicate)	
4.19	Roll Stabilization System	Required	
5	TOWING ANCHOR HANDLING AND LIFTING EQUIPMENT and TOOLS		
5.1	Winch Type	Minimum requirement: Double drum electric / hydraulic	
5.2	Drum 1 - Capacity in meters	Minimum requirement: 1500 m	
5.3	Tension Measurement	Minimum requirement: Towcon 2000 or equivalent	
5.4	Drum 1 - Bare drum diameter - meters	Minimum requirement: 1.0 m	
5.5	Drum 1 - Wire diameter in millimeters	Minimum requirement: 76 mm	
5.6	Drum 1 - Pull on first layer - metric tons	Minimum requirement: 200 MT	
5.7	Drum 1 - Static break capacity - metric tons	Minimum requirement: 300 MT	
5.8	Drum 2 - Capacity in meters	Minimum requirement: 1500 m	
5.9	Drum 2 - bare drum diameter -meters	Minimum requirement: 1.0 m	
5.10	Drum 2 - Wire diameter in millimeters	Minimum requirement: 76 mm	
5.11	Drum 2 - Pull on first layer - metric tons	Minimum requirement: 200 MT	
5.12	Drum 2 - Static break capacity - metric tons	Minimum requirement: 300 MT	
5.13	Number of storage reels	Minimum requirement: 1	
5.14	Storage reel capacity - meter - each drum	Minimum requirement: 1500 m	
5.15	Wire diameter in millimeters	Minimum requirement: 76 mm	
5.16	Number of chain lockers	Minimum requirement: 2	
5.17	Chain gypsies - number	Minimum requirement: 2	
5.18	Vertical Anchor Handling Pins / 300MT each	Minimum requirement: 2 Locking	
5.19	Triplex Shark Jaws / minimum 10MT each	Minimum requirement: 2	
5.20	Deck Tuggers @ minimum 10T each	Minimum requirement: 2	

5.21	Vertical capstans @ minimum 10T each	Minimum requirement: 2	
5.22	Stern roller 2mts x 4 mts x 300MT	Minimum requirement: 1	
5.23	Deck fittings	Minimum requirement: Cargo hold downs / confirm	
5.24	Deck Lighting	Minimum requirement: 6 @ 1000 watts	
5.25	J Hook - 200 SWL	Minimum requirement: One (1)	
5.26	Grapnel – 4 prong 200 ton swl	Minimum requirement: One (1)	
5.27	Swivel – sealed CR type, 250 ton swl	Minimum requirement: Two (2)	
5.28	Chain connector tails – 76 mm x 4 meter grade K4	Minimum requirement: Four (4)	
5.29	Kenter links – 76 mm grade K4	Minimum requirement: Six (6)	
5.30	Shackles – 120 ton swl	Minimum requirement: Six (6)	
5.31	Shackles – 85 ton swl	Minimum requirement: Four (4)	
5.32	Wire lock	Minimum requirement: Sufficient to make 4 terminations	
5.33	Bollard Pull test certificate	Please attach copy of recent test certificates	
6	PROPULSION SYSTEM / CRANES		
6.1	Main Engines	Minimum requirement: Two (2) diesel engine type, propeller in Nozzles	
6.2	Brake Horsepower (BHP) Total Output	Minimum requirement: 9000	
6.3	Continuous Bollard Pull	Minimum requirement: 100 MT Continuous	
6.4	Reduction Gear	Minimum requirement: Available / indicate Make and Type	
6.5	Shaft Generator Number and Rating	Minimum requirement: Two (2) 1400 KW	
6.6	Generator Sets	Minimum requirement: 2 x 250 KW	
6.7	Dynamic Positioning (DP)	Minimum requirement: Class 2 (attach copy of DP certificate)	
6.8	Maximum Speed	Minimum requirement: 15 Knots	
6.9	Cruise Speed	Minimum requirement: 13 Knots	
6.10	Propeller Type	Minimum requirement: Two (2) minimum CCP only. Bidder to specify type	
6.11	Propeller Kort Nozzles	Minimum requirement: Available / Bidder to specify	
6.12	Bow Thruster 1 and 2 (rating BHP)	Minimum requirement: 750 each	
6.13	Stern Thruster 1 and 2 (rating BHP)	Minimum requirement: 750 each	
6.14	Rudder type	Minimum requirement: High lift or Flap available	
6.15	Rudder independent operation	Minimum requirement: available	
6.16	Aft Control Station	Minimum requirement: Propulsion, positioning, cargo controls with clear view of work/cargo deck	
6.17	Hydraulic Telescoping or Knuckle boom Deck Crane - capacity metric tons at meters reach	Required: 15 MT @ 14 m radius	
6.18	Fuel Monitoring System	Indicate if vessel has an approved Fuel Monitoring System on board and date of installation	

		Please provide the P&IDs of a compliant eFMS, either current or proposed	
		Provide an eFMS Installation Schedule or proof of installation of a compliant eFMS	
6.19	Fuel Management Program	Explain Bidder's Fuel Management Program and date of implementation	
7	NAVIGATION & COMMUNICATION		
7.1	Integrated Bridge System with two Radar stations	Minimum requirement: Two (2) -RADAR	
7.2	Stern control station radar slave	Minimum requirement: One (1)	
7.3	VHF Radio DSC	Minimum requirement: Two (2)	
7.4	SSB Radio (with programmable frequencies)	Minimum requirement: Two (2)	
7.5	VHF Radio Fixed + Hand-held VHF Radio (intrinsically safe) with Charger	Minimum requirement: Two (2) VHF Radio & Three (3) Hand-held radios	
7.6	UHF Fixed + Hand-held Radio (intrinsically safe) with Charger	Minimum requirement: Two (2) UHF Fixed & Three (3) Hand-held radios	
7.7	GMDSS	Minimum requirement: Two (2) Spotbeam or Inmarsat	
7.8	AIS (Automatic Identification System)	Minimum requirement: Two (2)	
7.9	Chart Plotter	Minimum requirement: One (1)	
7.10	DGPS Receiver Spotbeam	Minimum requirement: One (1)	
7.11	Gyrocompass	Minimum requirement: One (1)	
7.12	Magnetic Compass	Minimum requirement: One (1)	
7.13	Auto Pilot	Minimum requirement: One (1)	
7.14	Echo Sounder	Minimum requirement: One (1)	
7.15	Windspeed Indicator	Minimum requirement: One (1)	
7.16	NAVTEX Receiver	Minimum requirement: Two (2)	
7.17	Satellite Phone	Minimum requirement: One (1) in Safe Haven	
7.18	Float free EPIRB	Minimum requirement: One (1)	
7.19	Public Address System	Minimum requirement: Available	
7.20	INMARSAT Voice/ Data Communications	Minimum requirement: Available	
7.21	E-mail Capability	Minimum requirement: Available	
7.22	Searchlights (500W Xenon) fitted & remotely controlled from the Bridge	Minimum requirement: Port & Stbd side (Available)	
7.23	Electronic chart display	Minimum requirement: One (1)	
7.24	DP System desk 1	Minimum requirement: One (1)	
7.25	DP System desk 2	Minimum requirement: One (1)	
7.26	Joy stick connected to DP System	Minimum requirement: One (1)	
7.27	Laser fan beam	Minimum requirement: One (1)	
7.28	Hipap acoustic, DGPS and Gyro Stabilized	Minimum requirement: One (1)	
7.29	Helicopter transceiver	Minimum requirement: Preferred / confirm availability	
8	SAFETY/ POLLUTION EQUIPMENT		

8.1	Fast Rescue Craft (FRC)	Minimum requirement: Required (If vessel has oil spill response capability FRC must be diesel powered)	
8.2	SART (Search and Rescue Transponder)	Minimum requirement: Two (2)	
8.3	Life Saving Equipment SOLAS approved	Minimum requirement: Available	
8.4	Helicopter winch area	Minimum requirement: Available	
8.5	Fire pumps with independent water supply sources	Minimum requirement: Two (2) in separate spaces	
8.6	Centralized Fire detection monitoring system for all machinery spaces	Minimum requirement: One (1)	
8.7	Fixed fire extinguishing system in all machinery spaces	Minimum requirement: Inert gas or water mist	
8.8	Fire Monitors – 2 minimum	Minimum requirement: Two (2)	
8.9	FiFi – 1 Class with minimum of 1,200 m3/hr per monitor	Minimum requirement: Two (2) monitors	
8.10	Portable fire extinguishers	Minimum requirement: Twelve (12)	
8.11	Fireman’s outfit	Minimum requirement: Two (2)	
8.12	Built-in Automatic Tank Cleaning Machine (No-Entry Tank Cleaning Machine)	Minimum requirement: Available	
8.13	Rescue zone marked on section of deck hull	Minimum requirement: Available	
8.14	Lifejackets for number of persons vessel certified to carry + extra for 120 persons	Minimum requirement: Available	
9	CREW & PASSENGERS		
9.1	Accommodation	Minimum requirement: Fully air conditioned	
9.2	Passenger cabins for client – number of cabins / no of berths each	Minimum requirement: Sixteen (16) persons	
9.3	Client cabin 1 with 1 LAN and 1 Phone line – Sat, Polycom Hands free Phone	Minimum requirement: Available	
9.4	Hospital – c/w berths and equipment	Minimum requirement: One (1)	
9.5	Man Overboard recovery system	Minimum requirement: Available	
9.6	Reefer/Freezer Box Connections	Minimum requirement: 2 @ 220 V - 60 HZ	
10	CREW QUALIFICATION		
10.1	Crew complement	Provide CVs and Certifications for key crew members (Captain, Chief Engr, First Mate)	
		Attach current STCW Certificates and expiry date	
		Provide evidence of shore based training programs and refreshers	
		Shows evidence of MOB drill conducted in the last 6 months (not applicable to new built)	
		a) is done in-house (all key crew members are employed directly by Bidder)	
b) is partially done in-house & through Agency (some key crew members are employed directly by Bidder and some are			

		employed through manning agency)	
		c) is done through manning agency (all key crew members are sourced through a third-party agency)	
10.2	Master	Minimum requirement: One (1) with Unlimited DP Certification	
10.3	Chief Officer	Minimum requirement: One (1) with Unlimited DP Certification	
10.4	First Officer	Minimum requirement: Two (2) with Unlimited DP Certification	
10.5	Second Officer / DPO	Minimum requirement: One (1) with Unlimited DP Certification	
10	MAINTENANCE & DRYDOCKING		
10.1	In-country Maintenance Plan	Show proof of Agreement with repair/maintenance yard and adequate Maintenance Plan for the proposed vessel	
		Please indicate if in-house shipyard	
		Name of shipyard that will do maintenance of the vessel	
		Describe your company's Part Management Plan (including in-country inventory)	
10.2	Dry-dock Information	Date of Next Dry-dock	
		Location of Dry-dock	
		Planned Period of Time for Next Dry-dock	
10.3	Replacement Vessels	Please provide proof of a compliant replacement vessel	
		a) from its own fleet?	
		b) Please provide a copy of an agreement with a subcontractor that will allow Bidder to provide a compliant replacement vessel	
11	MARINE QUALITY ASSURANCE		
11.1	OVMSA	Indicate number of OVMSAs conducted by OC on Bidder's company in the last 5 years	
		If Bidder has not conducted an OVMSA in the last 5 year, please document if Bidder has started the OVMSA process	
		Please indicate Bidder is willing to share OVMSA results with EEPNL	
11.2	3rd party OVID assessment	Has an OVID Third Party Assessment been performed?	
		Has the Vessel been OVID inspected in the last 12 months (not applicable for new built 2017+)	
		a) Yes	
		b) No	
11.3	Does Operator have ISO 9000 Quality Management Certification	Does your company have ISO 9000 Quality Management certification?	
11.4	Company Policies, Organization Charts and List of employees	Minimum requirement: Provided Relevant Documents	

11.5	Work History	Please indicate if Bidder has been working for an OC in the past 24 months?	
		a) Yes	
		b) No	
12	SECURITY		
12.1	Written procedures for controlling authorized access, including platform and gangway access procedures	Indicate if your company has written procedures for controlling authorized access, including platform and gangway access procedures	
12.2	Response procedures for detection of suspicious crafts	Indicate if your company has Response procedures for detection of suspicious crafts	
12.3	Security Emergency Response Plan	Does your company has a Security Emergency Response Plan?	
12.4	CCTV monitoring critical access points	Minimum requirement: Available	
		a) Yes	
		b) No	
12.5	Vessel ISPS ship security plan	Minimum requirement: Available	
		a) Yes	
		b) No	
12.6	Best Management Practices (West Africa) adopted (physical and written procedures)	Minimum requirement: Available	
		a) Yes	
		b) No	

2. LHT 50T BOLLARD PULL TO SUPPORT DEEPWATER OPERATIONS

PROVISION OF LHT 50T BOLLARD PULL TO SUPPORT DEEPWATER OPERATIONS

NAME OF BIDDER:

OFFICE ADDRESS OF BIDDER:

Criteria ID	MINIMUM REQUIREMENT	MINIMUM SPECIFICATION	BIDDER SPECIFICATIONS Please answer each question, attach documentation when required and indicate "yes" or "no" as applicable
1.0	MANDATORY REQUIREMENTS		
1.1	Corporate Registration in Nigeria	Provide verifiable proof of current corporation/ company registration in Nigeria	
1.2	Name of Vessel & Current Location	State name & current location of vessel	
1.3	Flag of Vessel	Provide Flag of Vessel or attach waiver certificate in lieu of Nigerian flag or letter of undertaking to provide copy before mobilization	
1.4	Certificate of Registry	Provide Certificate of Registry	
1.5	Class Certificate	Provide copy of Class Certificate Recognized by International Association	

		Of Class Society or NIMASA Certificate of Survey	
1.6	Place of Build/ Vessel Manufacturer	Indicate place of build and vessel Manufacturer?	
1.7	NIMASA Shipping Company Registration	Attach copy of current NIMASA Shipping Company Registration or letter of undertaken to provide NIMASA registration before mobilization	
1.8	NNRA Radioactive Material Transportation	Provide certification	
1.9	Current Service Specific DPR Registration	Provide verifiable proof of current Service specific DPR registration in Nigeria	
1.10	Year Built	2010 or later	
2.0	SAFETY HEALTH & ENVIRONMENT		
2.1	Safety Management System assessment: Contractor Evaluation Questionnaire (CEQ)	Complete Contractor Self-assessment Evaluation Questionnaire (CSEQ). Contractor Evaluation Questionnaire (CEQ) will be used for eventual assessment	
2.2	Work Management System	Bidder confirms that it has a permitting system in place (i.e.. Confined space entry, lock out / tag out)	
2.3	HSE Organization	Attach copy of Bidder's HSE Organization Chart with Roles and Responsibilities and employee names	
2.4	Drug & Alcohol Policy	Attach copy of Bidder's Drug & Alcohol Policy and evidence of compliance	
2.5	Health Management Plan	Attach copy Health and Safety Policy	
2.6	Personnel Safety Statistics	Provide Personnel Safety Statistics for Owner and Vessel	
2.7	Incident Investigation Plan	Attach Incident Investigation Plan (include Near Miss reporting and lessons learned program, Hazard ID reporting & action item closure program, Behavior Based Safety Program, Occupational Health Program, Safety Award Program, Food Handlers hygiene and safe food handling program)	
3.0	TECHNICAL SPECIFICATIONS		
3.1	Length	Minimum requirement: 30 meters (98 ft.)	
3.2	Breath	Minimum requirement: 8.5 meters (27 ft.)	
3.3	Draft (Summer)	Minimum requirement: Maximum 4.1 meters (13.5 ft.)	
3.4	Clear Deck Area - square meters	Minimum requirement: 100 sq mts	
4.0	CAPACITIES		
4.1	Fuel Capacity - cubic meters	Minimum requirement: 150.000 liters	
4.2	Fuel discharge rate	Bidder to specify	
4.4	Fuel Transfer Hoses (certified, in good condition and fitted with floatation collar)	Minimum requirement: 3 inch 50 m hose with Camlock male and female fittings	
4.5	Fuel Consumption (liters/ day)	Bidder provides fuel consumption at specified speed levels?	
4.6	Customized Fuel Consumption Curve	Bidder provides customized fuel consumption curve from engine	

		manufacturer?	
4.7	Class Endorsed Sea Trial Report	Bidder provides Class endorsed Sea Trial Report?	
4.8	Calibrated Coriolis Fuel Loading /Discharging meter	Minimum requirement: Provide make and model	
4.9	Class Endorsed Tank Calibration Table	Bidder provides Class endorsed Tank Calibration Table?	
4.10	Fresh water capacity - cubic meters	Minimum requirement: 80,000 liters	
4.11	Fresh water maker - Reverse Osmosis or Waste heat Vacuum Type.	Minimum requirement: 10 cubic meters per day	
4.14	Oil recovery capacity - cubic meters	Preferred - Bidder to Specify	
4.15	Oil recovery discharge capacity	Preferred - Bidder to Specify - in cubic meters / hour / pump	
4.16	Fuel Oil Separator	Minimum requirement: Available	
4.17	Oily Bilge Water Separator	Minimum requirement: Available	
4.18	Sewage Treatment Plant or Holding Tank	Minimum requirement: Available	
4.19	Roll Stabilization System	Minimum requirement: one (1)	
5	EQUIPMENT and FITTINGS		
5.1	Tugger Winch	Minimum requirement: One (1)	
5.2	Dispersant spray boom with mixing pump (port & Starboard)	Minimum requirement: One (1)	
5.3	Diesel Workboat for oil boom deployment	Minimum requirement: One (1)	
5.4	Fenders bow, stern and sides	Required	
5.5	Bollard Pull test certificate	Bidder provides copy of recent test certificates	
6	PROPULSION SYSTEM & CRANES		
6.1	Main Engines	Minimum requirement: Two (2) diesel engine type , propeller in Nozzles	
6.2	Main Engine Total output (BHP)	Minimum requirement: 4,000	
6.3	Continuous Bollard Pull	Minimum requirement: 50 MT or 60 MT	
6.6	Generator Sets	Minimum requirement: 2 x 250 KW	
6.9	Service Speed	Minimum requirement: 12 knots	
6.11	Propeller	Required: Kort Nozzle	
6.12	Bow Thruster	Minimum requirement: Tunnel or Azimuth	
6.13	Telescopic Vessel's Mast	Minimum requirement: Available	
6.13	Crane fitted for OSR	Minimum requirement: 1.5 T SWL	
6.24	Fuel Monitoring System	Indicate if vessel has an approved Fuel Monitoring System on board and date of installation	
		Please provide the P&IDs of a compliant eFMS, either current or proposed	
		Provide an eFMS Installation Schedule or proof of installation of a compliant eFMS	
6.25	Fuel Management Program	Explain Bidder's Fuel Management Program and date of implementation	

7 NAVIGATION & COMMUNICATION			
7.1	Integrated Bridge System with two Radar stations	Minimum requirement: Two (2) RADAR	
7.2	Stern control station radar slave	Minimum requirement: One (1)	
7.3	VHF Radio DSC	Minimum requirement: Two (2)	
7.4	SSB Radio (with programmable frequencies)	Minimum requirement: Two (2)	
7.5	VHF Radio Fixed + Hand-held VHF Radio (intrinsically safe) with Charger	Minimum requirement: Three (3) VHF Radio & Three (3) Hand-held radios	
7.6	UHF Fixed + Hand-held Radio (intrinsically safe) with Charger	Minimum requirement: Three (3) UHF Fixed & Three (3) Hand-held radios	
7.7	GMDSS	Minimum requirement: One (1) Spotbeam or Inmarsat	
7.8	AIS (Automatic Identification System)	Minimum requirement: Two (2)	
7.9	Chart Plotter	Minimum requirement: One (1)	
7.10	DGPS Receiver Spotbeam	Minimum requirement: One (1)	
7.11	Gyrocompass	Minimum requirement: One (1)	
7.12	Magnetic Compass	Minimum requirement: One (1)	
7.13	Auto Pilot	Minimum requirement: One (1)	
7.14	Echo Sounder	Minimum requirement: One (1)	
7.15	Windspeed Indicator	Minimum requirement: One (1)	
7.16	NAVTEX Receiver	Minimum requirement: Two (2)	
7.17	Satellite Phone	Minimum requirement: One (1) in Safe Haven	
7.18	Float free EPIRB	Minimum requirement: One (1)	
7.19	Public Address System	Minimum requirement: Available	
7.20	INMARSAT Voice/ Data Communications	Minimum requirement: Available	
7.21	E-mail Capability	Minimum requirement: Available	
7.22	Searchlights (500W Xenon) fitted & remotely controlled from the Bridge	Minimum requirement: Port & Stbd side (Available)	
7.23	Electronic chart display	Minimum requirement: One (1)	
8 SAFETY & POLLUTION EQUIPMENT			
8.1	PPE for all crew members	Minimum requirement: Available	
8.2	Fire Detection System	Minimum requirement:	
8.3	Fire Monitors	Minimum requirement: Two (2)	
8.4	FiFi – 1 Class	Minimum requirement: Two (2) monitors @ 1,200 m3/hr/each	
8.5	Portable fire extinguishers	Minimum requirement: Ten (10)	
8.6	Fireman's outfit	Minimum requirement: Two (2)	
8.7	Rescue zone marked on section of deck hull	Minimum requirement: Available	
8.8	Lifejackets for number of persons vessel certified to carry + extra for 120 persons	Minimum requirement: 120 PAX	
9 CREW & PASSENGERS			

9.1	Accommodation	Minimum requirement: Fully air conditioned	
9.2	Passenger cabins for client – number of cabins / no of berths each	Minimum requirement: Fifteen (15) persons	
9.3	Embarkation Ladders & Platforms fitted	Minimum requirement: Available	
9.3	Client cabin 1 with 1 LAN and 1 Phone line – Sat, Polycom Handsfree Phone	Minimum requirement: Available	
9.4	Hospital – c/w berths and equipment	Minimum requirement: One (1)	
9.5	Man Overboard recovery system	Minimum requirement: Available	
9.6	Reefer/Freezer Box Connections	Minimum requirement: 2 @ 220 V - 60 HZ	
10	CREW QUALIFICATIONS		
10.1	Crew complement	Provide CVs and Certifications for key crew members (Captain, Chief Engr, First Mate)	
		Attach current STCW Certificates and expiry date	
		Provide evidence of shore based training programs and refreshers	
		Shows evidence of MOB drill conducted in the last 6 months (not applicable to new built)	
		a) is done in-house (all key crew members are employed directly by Bidder)	
		b) is partially done in-house & through Agency (some key crew members are employed directly by Bidder and some are employed through manning agency)	
		c) is done through manning agency (all key crew members are sourced through a third-party agency)	
11	MAINTENANCE & DRYDOCKING		
11.1	In-country Maintenance Plan	Show proof of Agreement with repair/maintenance yard and adequate Maintenance Plan for the proposed vessel	
		Please indicate if in-house shipyard	
		Name of shipyard that will do maintenance of the vessel	
		Describe your company's Part Management Plan (including in-country inventory)	
11.2	Dry-dock Information	Date of Next Dry-dock	
		Location of Dry-dock	
		Planned Period of Time for Next Dry-dock	
11.3	Replacement Vessels	Please provide proof of a compliant replacement vessel	
		a) from its own fleet?	
		b) Please provide a copy of an agreement with a subcontractor that will allow Bidder to provide a compliant replacement vessel	
12	MARINE QUALITY ASSURANCE		

12.1	OVMSA	Indicate number of OVMSAs conducted by OC on Bidder's company in the last 5 years	
		If Bidder has not conducted an OVMSA in the last 5 year, please document if Bidder has started the OVMSA process	
		Please indicate Bidder is willing to share OVMSA results with EEPNL	
12.2	3rd party OVID assessment	Has an OVID Third Party Assessment been performed?	
		Has the Vessel been OVID inspected in the last 12 months (not applicable for new built 2017+)	
		a) Yes	
		b) No	
12.3	Does Operator have ISO 9000 Quality Management Certification	Does your company have ISO 9000 Quality Management certification?	
12.4	Company Policies, Organization Charts and List of employees	Minimum requirement: Provide Relevant Documents	
12.5	Work History	Please indicate if Bidder has been working for an OC in the past 24 months?	
		a) Yes	
		b) No	
13	SECURITY		
13.1	Written procedures for controlling authorized access, including platform and gangway access procedures	Indicate if your company has written procedures for controlling authorized access, including platform and gangway access procedures	
13.2	Response procedures for detection of suspicious crafts	Indicate if your company has Response procedures for detection of suspicious crafts	
13.3	Security Emergency Response Plan	Does your company has a Security Emergency Response Plan?	
13.4	CCTV monitoring critical access points	Minimum requirement: Available	
		a) Yes	
		b) No	
13.5	Vessel ISPS ship security plan	Minimum requirement: Available	
		a) Yes	
		b) No	
13.6	Best Management Practices (West Africa) adopted (physical and written procedures)	Minimum requirement: Available	
		a) Yes	
		b) No	

3. LHT 60T BOLLARD PULL TO SUPPORT DEEPWATER OPERATIONS

PROVISION OF LHT 60T BOLLARD PULL TO SUPPORT DEEPWATER OPERATIONS

NAME OF BIDDER:

OFFICE ADDRESS OF BIDDER:

Criteria ID	MINIMUM REQUIREMENT	MINIMUM SPECIFICATION	BIDDER SPECIFICATIONS Please answer each question, attach documentation when required and indicate "yes" or "no" as applicable
1.0	MANDATORY REQUIREMENTS		
1.1	Corporate Registration in Nigeria	Provide verifiable proof of current corporation/ company registration in Nigeria	
1.2	Name of Vessel & Current Location	State name & current location of vessel	
1.3	Flag of Vessel	Provide Flag of Vessel or attach waiver certificate in lieu of Nigerian flag or letter of undertaking to provide copy before mobilization	
1.4	Certificate of Registry	Provide Certificate of Registry	
1.5	Class Certificate	Provide copy of Class Certificate Recognized by International Association Of Class Society or NIMASA Certificate of Survey	
1.6	Place of Build/ Vessel Manufacturer	Indicate place of build and vessel Manufacturer?	
1.7	NIMASA Shipping Company Registration	Attach copy of current NIMASA Shipping Company Registration or letter of undertaken to provide NIMASA registration before mobilization	
1.8	NNRA Radioactive Material Transportation	Provide certification	
1.9	Current Service Specific DPR Registration	Provide verifiable proof of current Service specific DPR registration in Nigeria	
1.10	Year Built	2010 or later	
2.0	SAFETY HEALTH & ENVIRONMENT		
2.1	Safety Management System assessment: Contractor Evaluation Questionnaire (CEQ)	Complete Contractor Self-assessment Evaluation Questionnaire (CSEQ). Contractor Evaluation Questionnaire (CEQ) will be used for eventual assessment	
2.2	Work Management System	Bidder confirms that it has a permitting system in place (i.e.. Confined space entry, lock out / tag out)	
2.3	HSE Organization	Attach copy of Bidder's HSE Organization Chart with Roles and Responsibilities and employee names	
2.4	Drug & Alcohol Policy	Attach copy of Bidder's Drug & Alcohol Policy and evidence of compliance	
2.5	Health Management Plan	Attach copy Health and Safety Policy	
2.6	Personnel Safety Statistics	Provide Personnel Safety Statistics for Owner and Vessel	
2.7	Incident Investigation Plan	Attach Incident Investigation Plan (include Near Miss reporting and lessons learned program, Hazard ID reporting & action item closure program, Behavior Based Safety Program, Occupational Health Program, Safety Award Program, Food Handlers	

		hygiene and safe food handling program)	
3.0	TECHNICAL SPECIFICATIONS		
3.1	Length	Minimum requirement: 30 meters (98 ft.)	
3.2	Breath	Minimum requirement: 8.5 meters (27 ft.)	
3.3	Draft (Summer)	Minimum requirement: Maximum 4.1 meters (13.5 ft.)	
3.4	Clear Deck Area - square meters	Minimum requirement: 100 sq mts	
4.0	CAPACITIES		
4.1	Fuel Capacity - cubic meters	Minimum requirement: 150.000 liters	
4.2	Fuel discharge rate	Bidder to specify	
4.4	Fuel Transfer Hoses (certified, in good condition and fitted with floatation collar)	Minimum requirement: 3 inch 50 m hose with Camlock male and female fittings	
4.5	Fuel Consumption (liters/ day)	Bidder provides fuel consumption at specified speed levels?	
4.6	Customized Fuel Consumption Curve	Bidder provides customized fuel consumption curve from engine manufacturer?	
4.7	Class Endorsed Sea Trial Report	Bidder provides Class endorsed Sea Trial Report?	
4.8	Calibrated Coriolis Fuel Loading /Discharging meter	Minimum requirement: Provide make and model	
4.9	Class Endorsed Tank Calibration Table	Bidder provides Class endorsed Tank Calibration Table?	
4.10	Fresh water capacity - cubic meters	Minimum requirement: 80,000 liters	
4.11	Fresh water maker - Reverse Osmosis or Waste heat Vacuum Type.	Minimum requirement: 10 cubic meters per day	
4.14	Oil recovery capacity - cubic meters	Preferred - Bidder to Specify	
4.15	Oil recovery discharge capacity	Preferred - Bidder to Specify - in cubic meters / hour / pump	
4.16	Fuel Oil Separator	Minimum requirement: Available	
4.17	Oily Bilge Water Separator	Minimum requirement: Available	
4.18	Sewage Treatment Plant or Holding Tank	Minimum requirement: Available	
4.19	Roll Stabilization System	Minimum requirement: one (1)	
5	EQUIPMENT and FITTINGS		
5.1	Tugger Winch	Minimum requirement: One (1)	
5.2	Dispersant spray boom with mixing pump (port & Starboard)	Minimum requirement: One (1)	
5.3	Diesel Workboat for oil boom deployment	Minimum requirement: One (1)	
5.4	Fenders bow, stern and sides	Required	
5.5	Bollard Pull test certificate	Bidder provides copy of recent test certificates	

6 PROPULSION SYSTEM & CRANES			
6.1	Main Engines	Minimum requirement: Two (2) diesel engine type , propeller in Nozzles	
6.2	Main Engine Total output (BHP)	Minimum requirement: 4,000	
6.3	Continuous Bollard Pull	Minimum requirement: 50 MT or 60 MT	
6.6	Generator Sets	Minimum requirement: 2 x 250 KW	
6.9	Service Speed	Minimum requirement: 12 knots	
6.11	Propeller	Required: Kort Nozzle	
6.12	Bow Thruster	Minimum requirement: Tunnel or Azimuth	
6.13	Telescopic Vessel's Mast	Minimum requirement: Available	
6.13	Crane fitted for OSR	Minimum requirement: 1.5 T SWL	
6.24	Fuel Monitoring System	Indicate if vessel has an approved Fuel Monitoring System on board and date of installation	
		Please provide the P&IDs of a compliant eFMS, either current or proposed	
		Provide an eFMS Installation Schedule or proof of installation of a compliant eFMS	
6.25	Fuel Management Program	Explain Bidder's Fuel Management Program and date of implementation	
7 NAVIGATION & COMMUNICATION			
7.1	Integrated Bridge System with two Radar stations	Minimum requirement: Two (2) RADAR	
7.2	Stern control station radar slave	Minimum requirement: One (1)	
7.3	VHF Radio DSC	Minimum requirement: Two (2)	
7.4	SSB Radio (with programmable frequencies)	Minimum requirement: Two (2)	
7.5	VHF Radio Fixed + Hand-held VHF Radio (intrinsically safe) with Charger	Minimum requirement: Three (3) VHF Radio & Three (3) Hand-held radios	
7.6	UHF Fixed + Hand-held Radio (intrinsically safe) with Charger	Minimum requirement: Three (3) UHF Fixed & Three (3) Hand-held radios	
7.7	GMDSS	Minimum requirement: One (1) Spotbeam or Inmarsat	
7.8	AIS (Automatic Identification System)	Minimum requirement: Two (2)	
7.9	Chart Plotter	Minimum requirement: One (1)	
7.10	DGPS Receiver Spotbeam	Minimum requirement: One (1)	
7.11	Gyrocompass	Minimum requirement: One (1)	
7.12	Magnetic Compass	Minimum requirement: One (1)	
7.13	Auto Pilot	Minimum requirement: One (1)	
7.14	Echo Sounder	Minimum requirement: One (1)	
7.15	Windspeed Indicator	Minimum requirement: One (1)	
7.16	NAVTEX Receiver	Minimum requirement: Two (2)	
7.17	Satellite Phone	Minimum requirement: One (1) in Safe Haven	
7.18	Float free EPIRB	Minimum requirement: One (1)	
7.19	Public Address System	Minimum requirement: Available	

7.20	INMARSAT Voice/ Data Communications	Minimum requirement: Available	
7.21	E-mail Capability	Minimum requirement: Available	
7.22	Searchlights (500W Xenon) fitted & remotely controlled from the Bridge	Minimum requirement: Port & Stbd side (Available)	
7.23	Electronic chart display	Minimum requirement: One (1)	
8	SAFETY & POLLUTION EQUIPMENT		
8.1	PPE for all crew members	Minimum requirement: Available	
8.2	Fire Detection System	Minimum requirement:	
8.3	Fire Monitors	Minimum requirement: Two (2)	
8.4	FiFi – 1 Class	Minimum requirement: Two (2) monitors @ 1,200 m3/hr/each	
8.5	Portable fire extinguishers	Minimum requirement: Ten (10)	
8.6	Fireman's outfit	Minimum requirement: Two (2)	
8.7	Rescue zone marked on section of deck hull	Minimum requirement: Available	
8.8	Lifejackets for number of persons vessel certified to carry + extra for 120 persons	Minimum requirement: 120 PAX	
9	CREW & PASSENGERS		
9.1	Accommodation	Minimum requirement: Fully air conditioned	
9.2	Passenger cabins for client – number of cabins / no of berths each	Minimum requirement: Fifteen (15) persons	
9.3	Embarkation Ladders & Platforms fitted	Minimum requirement: Available	
9.3	Client cabin 1 with 1 LAN and 1 Phone line – Sat, Polycom Handsfree Phone	Minimum requirement: Available	
9.4	Hospital – c/w berths and equipment	Minimum requirement: One (1)	
9.5	Man Overboard recovery system	Minimum requirement: Available	
9.6	Reefer/Freezer Box Connections	Minimum requirement: 2 @ 220 V - 60 HZ	
10	CREW QUALIFICATIONS		
10.1	Crew complement	Provide CVs and Certifications for key crew members (Captain, Chief Engr, First Mate)	
		Attach current STCW Certificates and expiry date	
		Provide evidence of shore based training programs and refreshers	
		Shows evidence of MOB drill conducted in the last 6 months (not applicable to new built)	
		a) is done in-house (all key crew members are employed directly by Bidder)	
		b) is partially done in-house & through Agency (some key crew members are employed directly by Bidder and some are employed through manning agency)	

		c) is done through manning agency (all key crew members are sourced through a third-party agency)	
11	MAINTENANCE & DRYDOCKING		
11.1	In-country Maintenance Plan	Show proof of Agreement with repair/maintenance yard and adequate Maintenance Plan for the proposed vessel	
		Please indicate if in-house shipyard	
		Name of shipyard that will do maintenance of the vessel	
11.2	Dry-dock Information	Describe your company's Part Management Plan (including in-country inventory)	
		Date of Next Dry-dock	
		Location of Dry-dock	
11.3	Replacement Vessels	Planned Period of Time for Next Dry-dock	
		Please provide proof of a compliant replacement vessel	
		a) from its own fleet? b) Please provide a copy of an agreement with a subcontractor that will allow Bidder to provide a compliant replacement vessel	
12	MARINE QUALITY ASSURANCE		
12.1	OVMSA	Indicate number of OVMSAs conducted by OC on Bidder's company in the last 5 years	
		If Bidder has not conducted an OVMSA in the last 5 year, please document if Bidder has started the OVMSA process	
		Please indicate Bidder is willing to share OVMSA results with MPN	
12.2	3rd party OVID assessment	Has an OVID Third Party Assessment been performed?	
		Has the Vessel been OVID inspected in the last 12 months (not applicable for new built 2017+)	
		a) Yes b) No	
12.3	Does Operator have ISO 9000 Quality Management Certification	Does your company have ISO 9000 Quality Management certification?	
12.4	Company Policies, Organization Charts and List of employees	Minimum requirement: Provide Relevant Documents	
12.5	Work History	Please indicate if Bidder has been working for an OC in the past 24 months?	
		a) Yes	
		b) No	
13	SECURITY		
13.1	Written procedures for controlling authorized access, including platform and gangway access procedures	Indicate if your company has written procedures for controlling authorized access, including platform and gangway access procedures	
13.2	Response procedures for detection of suspicious crafts	Indicate if your company has Response procedures for detection of suspicious	

		crafts	
13.3	Security Emergency Response Plan	Does your company has a Security Emergency Response Plan?	
13.4	CCTV monitoring critical access points	Minimum requirement: Available	
		a) Yes	
		b) No	
13.5	Vessel ISPS ship security plan	Minimum requirement: Available	
		a) Yes	
		b) No	
13.6	Best Management Practices (West Africa) adopted (physical and written procedures)	Minimum requirement: Available	
		a) Yes	
		b) No	

4. 3200 DWT DP2 PLATFORM SUPPLY VESSELS TO SUPPORT DEEPWATER OFFSHORE OPERATIONS

PROVISION OF 3200 DWT DP2 PLATFORM SUPPLY VESSELS TO SUPPORT DEEPWATER OFFSHORE OPERATIONS			
NAME OF BIDDER:			
OFFICE ADDRESS OF BIDDER:			
Criteria ID	MINIMUM REQUIREMENT	MINIMUM SPECIFICATION	BIDDER SPECIFICATIONS (Please answer questions, attach documentation and indicate "yes" or "no" as applicable)
1	MANDATORY REQUIREMENTS		
1.1	Corporate Registration in Nigeria	Provide verifiable proof of current corporation/ company registration in Nigeria	
1.2	Name of Vessel & Current Location	State name & location of vessel	
1.3	Flag of Vessel	Provide Flag of Vessel or attach waiver certificate in lieu of Nigerian flag or letter of undertaking to provide copy before mobilization	
1.4	Certificate of Registry	Provide Certificate of Registry	
1.5	Class Certificate	Provide copy of Class Certificate Recognized by International Association Of Class Society or NIMASA Certificate of Survey	
1.6	Place of Build/ Vessel Manufacturer	Indicate place of build and vessel Manufacturer?	
1.7	NIMASA Shipping Company Registration	Attach copy of current NIMASA Shipping Company Registration or letter of undertaken to provide NIMASA registration before mobilization	
1.8	NNRA Radioactive Material Transportation	Provide certification	
1.9	Current Service Specific DPR Registration	Provide verifiable proof of current Service specific DPR registration in Nigeria	
1.10	Year Built	2010 or later	

2	SAFETY HEALTH & ENVIRONMENT		
2.1	Safety Management System assessment: Contractor Evaluation Questionnaire (CEQ)	Complete Contractor Self-assessment Evaluation Questionnaire (CSEQ). Contractor Evaluation Questionnaire (CEQ) will be used for eventual assessment	
2.2	Work Management System	Bidder confirms that it has a permitting system in place (ei. Confined space entry, lock out / tag out)	
2.3	HSE Organization	Attach copy of Bidder's HSE Organization Chart with Roles and Responsibilities and employee names	
2.4	Drug & Alcohol Policy	Attach copy of Bidder's Drug & Alcohol Policy and evidence of compliance	
2.5	Health Management Plan	Attach copy Health and Safety Policy	
2.6	Personnel Safety Statistics	Provide Personnel Safety Statistics for Owner <u>and</u> Vessel	
2.7	Incident Investigation Plan	Attach Incident Investigation Plan (include Near Miss reporting and lessons learned program, Hazard ID reporting & action item closure program, Behavior Based Safety Program, Occupational Health Program, Safety Award Program, Food Handlers hygiene and safe food handling program)	
3	TECHNICAL SPECIFICATION		
3.1	Length Overall	Minimum requirement: 70 meters (230 ft.)	
3.2	Beam	Minimum requirement: 16 meters (52 ft.)	
3.3	Molded Depth	Minimum requirement: 6 meters (20 ft.)	
3.4	Draft (Maximum Summer)	Minimum requirement: 7 meters (23 ft.)	
3.5	Deadweight (DWT) at Summer Load Line Draft	Minimum requirement: 3,200 Tons	
4	CARGO CARRYING & DISCHARGE		
4.1	Clear Deck Area	Minimum requirement: 700 m2	
4.2	Surfer Landings	Minimum requirement: Equipped	
4.3	Deck Load	Minimum requirement: 1800 MT	
4.4	Cargo Securing System	Documented Lashing systems + wood deck (prevent shifting of cargo)	
4.5	Fuel Capacity	Minimum requirement: 1,000 m3	
4.6	Fuel Discharge Rate (1-cubic meter per hour/ pumps)	Minimum requirement: 1 x 250 at 9 bar	
4.7	Fuel Discharge Line (1-size and connection type)	Minimum requirement: 2 each 4 inch Port & Stbd Side	
4.8	Fuel Discharge Hose (1-size and connection type)	Minimum requirement: 2 each 4 inch x 50 meter	
4.9	Calibrated Fuel Loading/ Discharging Meter	Minimum requirement: Available	
4.10	Drill Water Capacity	Minimum requirement: 650 m3	
4.11	Customized Fuel Consumption Curve	Minimum requirement: Available	
4.12	Class Endorsed Sea Trial Report	Minimum requirement: Available	
4.13	Class Endorsed Tank Calibration Table	Minimum requirement: Available	

4.14	Drill Water Discharge Rate (cubic meters per hours/ pumps)	Minimum requirement: 1 x 250 at 9 bar	
4.15	Drill Water Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port & Stbd Side	
4.16	Drill Water Discharge Hose (size and connection type) certified and in good condition	Minimum requirement: 2 each 4 inch x 50 meter	
4.17	Fresh Water Capacity	Minimum requirement: 500 m3	
4.18	Fresh Water Maker (reverse osmosis or waste heat vacuum type)	Minimum requirement: 1 Minimum 10 cubic meters per day	
4.19	Fresh Water Discharge Rate (cubic meters per hours/ pumps)	Minimum requirement: 1 x 150 at 9 bar	
4.20	Fresh Water Discharge Line (size and connection type)	Minimum requirement: 1 each 4 inch – WECO connection.	
4.21	Fresh Water Transfer Hoses (certified and in good condition)	Minimum requirement: Available	
4.22	Base Oil Capacity	Minimum requirement: 180 m3	
4.23	Base Oil Discharge Rate (cubic meters per hour/ pumps)	Minimum requirement: 1 x 125 at 9 bar	
4.24	Base Oil Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port and Stbd	
4.25	Base Oil Discharge Hose (size and connection type) certified and in good condition)	Minimum requirement: 2 each 4 inch x 50 meter	
4.26	Liquid Mud Capacity	Minimum requirement: 950 m3 – Multi Purpose Tanks	
4.27	Liquid Mud Discharge Rate (cubic meters per hour/ pumps)	Minimum requirement: 2 x 75 at 24 bar,	
4.28	Liquid Mud Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port and Stbd	
4.29	Liquid Mud Discharge Hose (size and connection type) certified and in good condition	Minimum requirement: x 50 meter	
4.30	Segregated Liquid Mud systems	Minimum requirement: Available	
4.31	Mud Tank Circulation System (Agitator)	Minimum requirement: Available	
4.32	Brine Capacity	Minimum requirement: 950 m3 - Multi Purpose Tanks	
4.33	Brine Discharge Rate	Minimum requirement: 2 x 75 at 24 bar,	
4.34	Brine Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port & Stbd	
4.35	Brine Discharge Hose (size and connection type) certified and in good condition	Minimum requirement: 2 each 4 inch x 50 meter	
4.36	Dry Bulk Capacity	Minimum requirement: 300 m3 – 4 Tanks	
4.37	Dry Bulk Discharge Rate (ton per hour)	Minimum requirement: 80	
4.38	Dry Bulk Discharge Line (size and connection type)	Minimum requirement: 5 inch – WECO	

4.39	Methanol Capacity (cubic meters)	Minimum requirement: Available	
4.40	Oil Recovery Capacity (cubic meters)	Minimum requirement: Available	
4.41	Crude Oil Recovery Discharge Line (size and connection type)	Minimum requirement: Available	
5	PROPULSION/ MACHINERY		
5.1	Main Engines	Minimum requirement: Two (2) minimum. Bidder to specify type	
5.2	Brake Horsepower (BHP) Total Output	Minimum requirement: 7000	
5.3	Reduction Gear – Make / Type	Minimum requirement: Available	
5.4	Generator Number and Rating (conventional or diesel electric)	Minimum requirement: Available	
5.5	Generating Set (conventional or diesel electric)	Minimum requirement: Available	
5.6	Main Power Supply (voltage, frequency)	Minimum requirement: Available	
5.7	Emergency Power Supply	Capable (emergency lighting, fire protection, communication)	
5.8	Dynamic Positioning (DP)	Minimum requirement: Class 2 (attach copy of DP certificate)	
5.9	Maximum Speed	Minimum requirement: 15 Knots	
5.10	Cruise Speed	Minimum requirement: 13 Knots	
5.11	Economic Speed	Minimum requirement: 9 Knots	
5.12	Propeller Type (CPP or Azimuth drives)	Minimum requirement: Two (2) minimum. Bidder to specify type	
5.13	Propeller Kort Nozzles	Minimum requirement: Available	
5.14	Bow Thruster 1 and 2 (rating BHP)	Minimum requirement: 800	
5.15	Stern Thruster 1 and 2 (rating BHP)	Minimum requirement: 800/ 2500	
5.16	Rudders (independent operation)	Minimum requirement: Available	
5.17	Aft Control Station	Minimum requirement: Propulsion, positioning, cargo controls	
5.18	Deck Crane 1	Minimum requirement: Hydraulic telescope or knuckle boom	
5.19	Deck Crane (capacity metric tons at meters reach)	Minimum requirement: 15 ton at 10 meter radius	
5.20	Fuel Oil Separator	Minimum requirement: Available	
5.21	Oily Bilge Water Separator	Minimum requirement: Available	
5.22	Sewage Treating Plant or Holding Tank	Minimum requirement: Available	
5.23	Roll Stabilization System	Minimum requirement: Available	
5.24	Fuel Monitoring System	Indicate if vessel has an approved Fuel Monitoring System on board and date of installation	
		Please provide the P&IDs of a compliant eFMS, either current or proposed	
		Provide an eFMS Installation Schedule or proof of installation of a compliant eFMS	
5.25	Fuel Management Program	Explain Bidder's Fuel Management Program and date of implementation	
6	ACCOMMODATION		

6.1	Officer Cabins (number of cabins/ no of berths each)	Minimum requirement: Available. Bidder to Specify	
6.2	Crew Cabins (number of cabins/ no of berths each)	Minimum requirement: Available. Bidder to Specify	
6.3	Client Single Cabin with One (1) LAN and One (1) Phone Line VSAT, Polycom Hands-free Phone	Minimum requirement: Available. Bidder to Specify	
6.4	Client Office with 1 Desk and 1 Desk Chair and with Two (2) LAN and Two (2) Phone Line VSAT, Polycom Hands-free Phone	Minimum requirement: Available	
6.5	Passenger Cabins for Clients (number of cabins/ no of berths each)	Minimum requirement: : 8 double or 16 single. Total client accomm 17	
6.6	Space Designated for Passengers with Office Furniture and One (1) LAN and One (1) Phone Line VSAT Polycom Hands-free Phone.	Minimum requirement: Available	
6.7	Hospital (c/w berths and equipment)	Minimum requirement: Available. One (1) Required	
6.8	Common Area (mess/ galley/ recreation rooms)	Minimum requirement: Available. Bidder to Specify	
7	NAVIGATION & COMMUNICATION		
7.1	Radar 1 (X-Band with ARPA and ECDIS)	Minimum requirement: One (1). Bidder to Specify	
7.2	Radar 2 (S-Band with ARPA and ECDIS)	Minimum requirement: One (1). Bidder to Specify	
7.3	ECDIS (Electronic Chart Display System)	Minimum requirement: One (1). Bidder to Specify	
7.4	Gyro Compass 1 (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.5	DGPS 1 (make) Spotbeam	Minimum requirement: One (1) or Inmarsat	
7.6	DGPS 2 (make) Inmarsat	Minimum requirement: One (1) or Spotbeam	
7.7	Laser Fan Beam (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.8	Hipap Acoustic, DGPS and Gyro Stabilized	Minimum requirement: One (1). Bidder to Specify	
7.9	Joy Stick (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.10	DP System Desk 1	Minimum requirement: One (1). Bidder to Specify	
7.11	DP System Desk 2	Minimum requirement: One (1). Bidder to Specify	
7.12	Weather Station	Minimum requirement: One (1). Bidder to Specify	
7.13	Echo Sounder (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.14	NAVTEX Receiver	Minimum requirement: Available	
7.15	Doppler Speed Log (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.16	VHF 1 – DSC (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.17	VHF 2 – DSC (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.18	VHF 3 – (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.19	SSB DSC (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.20	Satcom C (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.21	Satellite Phone (Inmarsat B/ M plus email facility)	Minimum requirement: One (1). Bidder to Specify	

7.22	Radio Equipment Conforming to GMDSS Area 3	Minimum requirement: Area 3	
7.23	VSAT System for Client (4 LAN and 4 designated phone lines)	Minimum requirement: Available	
7.24	UHF Fixed Transceiver for Deck Communications	Minimum requirement: One (1). Bidder to Specify	
7.25	UHF Portable for Deck Communications	Minimum requirement: Four (4). Bidder to Specify	
7.26	VHF Portable Units for Deck Communications	Minimum requirement: Four (4). Bidder to Specify	
7.27	AIS (Automatic Identification System)	Minimum requirement: Two (2). Bidder to Specify	
8	SAFETY/ POLLUTION EQUIPMENT		
8.1	FiFi 1 Classed (firefighting)	Minimum requirement: Two (2)	
8.2	Fast Rescue Craft (FRC)	Minimum requirement: Diesel Engine	
8.3	Man Overboard Craft (MOB)	Minimum requirement: One (1)	
8.4	EPIRB (make/ type)	Minimum requirement: One (1) on board	
8.5	SART (make/ type)	Minimum requirement: Two (2) on board	
8.6	Life Saving Equipment SOLAS Approved	Minimum requirement: Available. Bidder to Specify	
8.7	Dispersion Spray Equipment (make/ type/ capacity)	Minimum requirement: Available. Bidder to Specify	
8.8	Dispersion Storage Tank (capacity)	Minimum requirement: Available. Bidder to Specify	
8.9	Fire Pumps with Independent Water Supply Sources	Minimum requirement: Two (2) Physically Separated in Different Space	
8.10	Fire Detection (in all machinery spaces)	Minimum requirement: Two (2) Separate Types Each	
8.11	Fixed Fire Extinguishing System (in all machinery spec)	Minimum requirement: Inert Gas or Water Mist	
8.12	Portable Fire Extinguishers	Minimum requirement: Ten (10)	
8.13	Fireman's Outfit	Minimum requirement: Two (2)	
8.14	Built-in Automatic Tank Cleaning Machine (no-entry tank cleaning machine)	Minimum requirement: Available	
9	CREW & COMPLEMENT		
9.1	Crew complement	Provide CVs and Certifications for key crew members (Captain, Chief Engr, First Mate)	
		Attach current STCW Certificates and expiry date	
		Provide evidence of shore based training programs and refreshers	
		Shows evidence of MOB drill conducted in the last 6 months (not applicable to newbuilt)	
		a) is done in-house (all key crew members are employed directly by Bidder)	
		b) is partially done in-house & through Agency (some key crew members are employed directly by Bidder and some are employed through manning agency)	

		c) is done through manning agency (all key crew members are sourced through a third-party agency)	
9.2	Accommodation	Minimum requirement: Fully air conditioned	
9.3	Passenger Seating Capacity	Minimum requirement: 50 Pax (excluding crew)	
9.4	Rescue Zone Marked on Section of Hull and Deck	Minimum requirement: Available	
9.5	Man Overboard recovery system	Minimum requirement: Available	
9.6	Master	Minimum requirement: One (1) with Unlimited DP Certification	
9.7	Chief Officer	Minimum requirement: One (1) with Unlimited DP Certification	
9.8	First Officer	Minimum requirement: Two (2) with Unlimited DP Certification	
9.9	Second Officer / DPO	Minimum requirement: One (1) with Unlimited DP Certification	
9.10	Ship Assistant / Able Seaman	Minimum requirement: Four (4)	
9.11	Chief Engineer	Minimum requirement: One (1)	
9.12	First Engineer	Minimum requirement: One (1)	
9.13	Second Engineer	Minimum requirement: One (1)	
9.14	Electrician	Minimum requirement: One (1)	
9.15	Oiler	Minimum requirement: One (1)	
9.16	Cook	Minimum requirement: One (1)	
9.17	Galley Assistant	Minimum requirement: One (1)	
9.18	Steward	Minimum requirement: One (1)	
10	MAINTENANCE & DRYDOCKING		
10.1	In-country Maintenance Plan	Show proof of Agreement with repair/maintenance yard and adequate Maintenance Plan for the proposed vessel	
		Please indicate if in-house shipyard	
		Name of shipyard that will do maintenance of the vessel	
		Describe your company's Part Management Plan (including in-country inventory)	
10.2	Dry-dock Information	Date of Next Dry-dock	
		Location of Dry-dock	
		Planned Period of Time for Next Dry-dock	
10.3	Replacement Vessels	Please provide proof of a compliant replacement vessel	
		a) from its own fleet?	
		b) Please provide a copy of an agreement with a subcontractor that will allow Bidder to provide a compliant replacement vessel	
11	MARINE QUALITY ASSURANCE		
11.1	OVMSA	Indicate number of OVMSAs conducted by OC on Bidder's company in the last 5 years	
		If Bidder has not conducted an OVMSA in the last 5 year, please document if Bidder has started the OVMSA process	

		Please indicate Bidder is willing to share OVMSA results with EEPNL	
11.2	3rd party OVID assessment	Has an OVID Third Party Assessment been performed?	
		Has the Vessel been OVID inspected in the last 12 months (not applicable for new built 2017+)	
		a) Yes	
		b) No	
11.3	Does Operator have ISO 9000 Quality Management Certification	Does your company have ISO 9000 Quality Management certification?	
11.4	Company Policies, Organization Charts and List of employees	Minimum requirement: Provided Relevant Documents	
11.5	Work History	Please indicate if Bidder has been working for an OC in the past 24 months?	
		a) Yes	
		b) No	
12	SECURITY		
12.1	Written procedures for controlling authorized access, including platform and gangway access procedures	Indicate if your company has written procedures for controlling authorized access, including platform and gangway access procedures	
12.2	Response procedures for detection of suspicious crafts	Indicate if your company has Response procedures for detection of suspicious crafts	
12.3	Security Emergency Response Plan	Does your company has a Security Emergency Response Plan?	
12.4	CCTV monitoring critical access points	Minimum requirement: Available	
		a) Yes	
		b) No	
12.5	Vessel ISPS ship security plan	Minimum requirement: Available	
		a) Yes	
		b) No	
12.6	Best Management Practices (West Africa) adopted (physical and written procedures)	Minimum requirement: Available	
		a) Yes	
		b) No	

5. 4800 DWT DP2 PLATFORM SUPPLY VESSELS TO SUPPORT DEEPWATER OPERATIONS

PROVISION OF 4800 DWT DP2 PLATFORM SUPPLY VESSELS TO SUPPORT DEEPWATER OPERATIONS

NAME OF BIDDER:

OFFICE ADDRESS OF BIDDER:

Criteria ID	MINIMUM REQUIREMENT	MINIMUM SPECIFICATION	BIDDER SPECIFICATIONS Please answer questions, attach documentation and indicate "yes" or "no" as applicable
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1	MANDATORY REQUIREMENTS		
1.1	Corporate Registration in Nigeria	Provide verifiable proof of current corporation/ company registration in Nigeria	
1.2	Name of Vessel & Current Location	State name & current location of vessel	
1.3	Flag of Vessel	Provide Flag of Vessel or attach waiver certificate in lieu of Nigerian flag or letter of undertaking to provide copy before mobilization	
1.4	Certificate of Registry	Provide Certificate of Registry	
1.5	Class Certificate	Provide copy of Class Certificate Recognized by International Association Of Class Society or NIMASA Certificate of Survey	
1.6	Place of Build/ Vessel Manufacturer	Indicate place of build and vessel Manufacturer?	
1.7	NIMASA Shipping Company Registration	Attach copy of current NIMASA Shipping Company Registration or letter of undertaken to provide NIMASA registration before mobilization	
1.8	NNRA Radioactive Material Transportation	Provide certification	
1.9	Current Service Specific DPR Registration	Provide verifiable proof of current Service specific DPR registration in Nigeria	
1.10	Year Built	2010 or later	
2	SAFETY HEALTH & ENVIRONMENT		
2.1	Safety Management System assessment: Contractor Evaluation Questionnaire (CEQ)	Complete Contractor Self-assessment Evaluation Questionnaire (CSEQ). Contractor Evaluation Questionnaire (CEQ) will be used for eventual assessment	
2.2	Work Management System	Bidder confirms that it has a permitting system in place (ei. Confined space entry, lock out / tag out)	
2.3	HSE Organization	Attach copy of Bidder's HSE Organization Chart with Roles and Responsibilities and employee names	
2.4	Drug & Alcohol Policy	Attach copy of Bidder's Drug & Alcohol Policy and evidence of compliance	
2.5	Health Management Plan	Attach copy Health and Safety Policy	
2.6	Personnel Safety Statistics	Provide Personnel Safety Statistics for Owner and Vessel	
2.7	Incident Investigation Plan	Attach Incident Investigation Plan (include Near Miss reporting and lessons learned program, Hazard ID reporting & action item closure program, Behavior Based Safety Program, Occupational Health Program, Safety Award Program, Food Handlers hygiene and safe food handling program)	
3	TECHNICAL SPECIFICATION		
3.1	Length Overall	Minimum requirement: 80 meters (260 ft.)	
3.2	Beam	Minimum requirement: 18 meters (59 ft.)	
3.3	Molded Depth	Minimum requirement: 6 meters (20 ft.)	
3.4	Draft (Maximum Summer)	Minimum requirement: 7 meters (23 ft.)	

3.5	Deadweight (DWT) at Summer Load Line Draft	Minimum requirement: 4,800 Tons	
4	CARGO CARRYING & DISCHARGE		
4.1	Clear Deck Area	Minimum requirement: 900 m2	
4.2	Surfer Landings	Minimum requirement: Equipped	
4.3	Deck Load	Minimum requirement: 1800 MT	
4.4	Cargo Securing System	Documented Lashing systems + wood deck (prevent shifting of cargo)	
4.5	Fuel Capacity	Minimum requirement: 800 m3	
4.6	Fuel Discharge Rate (1-cubic meter per hour/ pumps)	Minimum requirement: 1 x 250 at 9 bar	
4.7	Fuel Discharge Line (1-size and connection type)	Minimum requirement: 2 each 4 inch Port & Stbd Side	
4.8	Fuel Discharge Hose (1-size and connection type)	Minimum requirement: 2 each 4 inch x 50 meter	
4.9	Calibrated Fuel Loading/ Discharging Meter	Minimum requirement: Available	
4.10	Drill Water Capacity	Minimum requirement: 650 m3	
4.11	Customized Fuel Consumption Curve	Minimum requirement: Available	
4.12	Class Endorsed Sea Trial Report	Minimum requirement: Available	
4.13	Class Endorsed Tank Calibration Table	Minimum requirement: Available	
4.14	Drill Water Discharge Rate (cubic meters per hours/ pumps)	Minimum requirement: 1 x 250 at 9 bar	
4.15	Drill Water Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port & Stbd Side	
4.16	Drill Water Discharge Hose (size and connection type) certified and in good condition	Minimum requirement: 2 each 4 inch x 50 meter	
4.17	Fresh Water Capacity	Minimum requirement: 500 m3	
4.18	Fresh Water Maker (reverse osmosis or waste heat vacuum type)	Minimum requirement: 1 Minimum 10 cubic meters per day	
4.19	Fresh Water Discharge Rate (cubic meters per hours/ pumps)	Minimum requirement: 1 x 150 at 9 bar	
4.20	Fresh Water Discharge Line (size and connection type)	Minimum requirement: 1 each 4 inch – WECO connection.	
4.21	Fresh Water Transfer Hoses (certified and in good condition)	Minimum requirement: Available	
4.22	Base Oil Capacity	Minimum requirement: 180 m3	
4.23	Base Oil Discharge Rate (cubic meters per hour/ pumps)	Minimum requirement: 1 x 125 at 9 bar	
4.24	Base Oil Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port and Stbd	
4.25	Base Oil Discharge Hose (size and connection type) certified and in good condition)	Minimum requirement: 2 each 4 inch x 50 meter	

4.26	Liquid Mud Capacity	Minimum requirement: 1200 m3 – Multi Purpose Tanks	
4.27	Liquid Mud Discharge Rate (cubic meters per hour/ pumps)	Minimum requirement: 2 x 75 at 24 bar,	
4.28	Liquid Mud Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port and Stbd	
4.29	Liquid Mud Discharge Hose (size and connection type) certified and in good condition	Minimum requirement: x 50 meter	
4.30	Segregated Liquid Mud systems	Minimum requirement: Available	
4.31	Mud Tank Circulation System (Agitator)	Minimum requirement: Available	
4.32	Brine Capacity	Minimum requirement: 950 m3 - Multi Purpose Tanks	
4.33	Brine Discharge Rate	Minimum requirement: 2 x 75 at 24 bar,	
4.34	Brine Discharge Line (size and connection type)	Minimum requirement: 2 each 4 inch Port & Stbd	
4.35	Brine Discharge Hose (size and connection type) certified and in good condition	Minimum requirement: 2 each 4 inch x 50 meter	
4.36	Dry Bulk Capacity	Minimum requirement: 300 m3 – 4 Tanks	
4.37	Dry Bulk Discharge Rate (ton per hour)	Minimum requirement: 80	
4.38	Dry Bulk Discharge Line (size and connection type)	Minimum requirement: 5 inch – WECO	
4.39	Methanol Capacity (cubic meters)	Minimum requirement: 400 m3	
4.40	Oil Recovery Capacity (cubic meters)	Minimum requirement: Available	
4.41	Crude Oil Recovery Discharge Line (size and connection type)	Minimum requirement: Available	
5	PROPULSION/ MACHINERY		
5.1	Main Engines	Minimum requirement: Two (2) minimum. Bidder to specify type	
5.2	Brake Horsepower (BHP) Total Output	Minimum requirement: 7000	
5.3	Reduction Gear – Make / Type	Minimum requirement: Available	
5.4	Generator Number and Rating (conventional or diesel electric)	Minimum requirement: Available	
5.5	Generating Set (conventional or diesel electric)	Minimum requirement: Available	
5.6	Main Power Supply (voltage, frequency)	Minimum requirement: Available	
5.7	Emergency Power Supply	Capable (emergency lighting, fire protection, communication)	
5.8	Dynamic Positioning (DP)	Minimum requirement: Class 2 (attach copy of DP certificate)	
5.9	Maximum Speed	Minimum requirement: 15 Knots	
5.10	Cruise Speed	Minimum requirement: 13 Knots	
5.11	Economic Speed	Minimum requirement: 9 Knots	
5.12	Propeller Type (CPP or Azimuth drives)	Minimum requirement: Two (2) minimum. Bidder to specify type	

5.13	Propeller Kort Nozzles	Minimum requirement: Available	
5.14	Bow Thruster 1 and 2 (rating BHP)	Minimum requirement: 800	
5.15	Stern Thruster 1 and 2 (rating BHP)	Minimum requirement: 800/ 2500	
5.16	Rudders (independent operation)	Minimum requirement: Available	
5.17	Aft Control Station	Minimum requirement: Propulsion, positioning, cargo controls	
5.18	Deck Crane 1	Minimum requirement: Hydraulic telescope or knuckle boom	
5.19	Deck Crane (capacity metric tons at meters reach)	Minimum requirement: 15 ton at 10 meter radius	
5.20	Fuel Oil Separator	Minimum requirement: Available	
5.21	Oily Bilge Water Separator	Minimum requirement: Available	
5.22	Sewage Treating Plant or Holding Tank	Minimum requirement: Available	
5.23	Roll Stabilization System	Minimum requirement: Available	
5.24	Fuel Monitoring System	Indicate if vessel has an approved Fuel Monitoring System on board and date of installation	
		Please provide the P&IDs of a compliant eFMS, either current or proposed	
		Provide an eFMS Installation Schedule or proof of installation of a compliant eFMS	
5.25	Fuel Management Program	Explain Bidder's Fuel Management Program and date of implementation	
6	ACCOMMODATION		
6.1	Officer Cabins (number of cabins/ no of berths each)	Minimum requirement: Available. Bidder to Specify	
6.2	Crew Cabins (number of cabins/ no of berths each)	Minimum requirement: Available. Bidder to Specify	
6.3	Client Single Cabin with One (1) LAN and One (1) Phone Line VSAT, Polycom Hands-free Phone	Minimum requirement: Available. Bidder to Specify	
6.4	Client Office with 1 Desk and 1 Desk Chair and with Two (2) LAN and Two (2) Phone Line VSAT, Polycom Hands-free Phone	Minimum requirement: Available	
6.5	Passenger Cabins for Clients (number of cabins/ no of berths each)	Minimum requirement: : 8 double or 16 single. Total client accomm 17	
6.6	Space Designated for Passengers with Office Furniture and One (1) LAN and One (1) Phone Line VSAT Polycom Hands-free Phone.	Minimum requirement: Available	
6.7	Hospital (c/w berths and equipment)	Minimum requirement: Available. One (1) Required	
6.8	Common Area (mess/ galley/ recreation rooms)	Minimum requirement: Available. Bidder to Specify	
7	NAVIGATION & COMMUNICATION		
7.1	Radar 1 (X-Band with ARPA and ECDIS)	Minimum requirement: One (1). Bidder to	

		Specify	
7.2	Radar 2 (S-Band with ARPA and ECDIS)	Minimum requirement: One (1). Bidder to Specify	
7.3	ECDIS (Electronic Chart Display System)	Minimum requirement: One (1). Bidder to Specify	
7.4	Gyro Compass 1 (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.5	DGPS 1 (make) Spotbeam	Minimum requirement: One (1) or Inmarsat	
7.6	DGPS 2 (make) Inmarsat	Minimum requirement: One (1) or Spotbeam	
7.7	Laser Fan Beam (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.8	Hipap Acoustic, DGPS and Gyro Stabilized	Minimum requirement: One (1). Bidder to Specify	
7.9	Joy Stick (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.10	DP System Desk 1	Minimum requirement: One (1). Bidder to Specify	
7.11	DP System Desk 2	Minimum requirement: One (1). Bidder to Specify	
7.12	Weather Station	Minimum requirement: One (1). Bidder to Specify	
7.13	Echo Sounder (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.14	NAVTEX Receiver	Minimum requirement: Available	
7.15	Doppler Speed Log (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.16	VHF 1 – DSC (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.17	VHF 2 – DSC (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.18	VHF 3 – (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.19	SSB DSC (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.20	Satcom C (make/ type)	Minimum requirement: One (1). Bidder to Specify	
7.21	Satellite Phone (Inmarsat B/ M plus email facility)	Minimum requirement: One (1). Bidder to Specify	
7.22	Radio Equipment Conforming to GMDSS Area 3	Minimum requirement: Area 3	
7.23	VSAT System for Client (4 LAN and 4 designated phone lines)	Minimum requirement: Available	
7.24	UHF Fixed Transceiver for Deck Communications	Minimum requirement: One (1). Bidder to Specify	
7.25	UHF Portable for Deck Communications	Minimum requirement: Four (4). Bidder to Specify	
7.26	VHF Portable Units for Deck Communications	Minimum requirement: Four (4). Bidder to Specify	
7.27	AIS (Automatic Identification System)	Minimum requirement: Two (2). Bidder to Specify	
8	SAFETY/ POLLUTION EQUIPMENT		

8.1	FiFi 1 Classed (firefighting)	Minimum requirement: Two (2)	
8.2	Fast Rescue Craft (FRC)	Minimum requirement: Diesel Engine	
8.3	Man Overboard Craft (MOB)	Minimum requirement: One (1)	
8.4	EPIRB (make/ type)	Minimum requirement: One (1) on board	
8.5	SART (make/ type)	Minimum requirement: Two (2) on board	
8.6	Life Saving Equipment SOLAS Approved	Minimum requirement: Available. Bidder to Specify	
8.7	Dispersion Spray Equipment (make/ type/ capacity)	Minimum requirement: Available. Bidder to Specify	
8.8	Dispersion Storage Tank (capacity)	Minimum requirement: Available. Bidder to Specify	
8.9	Fire Pumps with Independent Water Supply Sources	Minimum requirement: Two (2) Physically Separated in Different Space	
8.10	Fire Detection (in all machinery spaces)	Minimum requirement: Two (2) Separate Types Each	
8.11	Fixed Fire Extinguishing System (in all machinery spec)	Minimum requirement: Inert Gas or Water Mist	
8.12	Portable Fire Extinguishers	Minimum requirement: Ten (10)	
8.13	Fireman's Outfit	Minimum requirement: Two (2)	
8.14	Built-in Automatic Tank Cleaning Machine (no-entry tank cleaning machine)	Minimum requirement: Available	
9	CREW & COMPLEMENT		
9.1	Crew complement	Provide CVs and Certifications for key crew members (Captain, Chief Engr, First Mate)	
		Attach current STCW Certificates and expiry date	
		Provide evidence of shore based training programs and refreshers	
		Shows evidence of MOB drill conducted in the last 6 months (not applicable to new built)	
		a) is done in-house (all key crew members are employed directly by Bidder)	
		b) is partially done in-house & through Agency (some key crew members are employed directly by Bidder and some are employed through manning agency)	
		c) is done through manning agency (all key crew members are sourced through a third-party agency)	
9.2	Accommodation	Minimum requirement: Fully air conditioned	
9.3	POB Capacity	Minimum requirement: 50 Pax (excluding crew)	
9.4	Rescue Zone Marked on Section of Hull and Deck	Minimum requirement: Available	
9.5	Man Overboard recovery system	Minimum requirement: Available	
9.6	Master	Minimum requirement: One (1) with Unlimited DP Certification	

9.7	Chief Officer	Minimum requirement: One (1) with Unlimited DP Certification	
9.8	First Officer	Minimum requirement: Two (2) with Unlimited DP Certification	
9.9	Second Officer / DPO	Minimum requirement: One (1) with Unlimited DP Certification	
9.10	Ship Assistant / Able Seaman	Minimum requirement: Four (4)	
9.11	Chief Engineer	Minimum requirement: One (1)	
9.12	First Engineer	Minimum requirement: One (1)	
9.13	Second Engineer	Minimum requirement: One (1)	
9.14	Electrician	Minimum requirement: One (1)	
9.15	Oiler	Minimum requirement: One (1)	
9.16	Cook	Minimum requirement: One (1)	
9.17	Galley Assistant	Minimum requirement: One (1)	
9.18	Steward	Minimum requirement: One (1)	
10	MAINTENANCE & DRYDOCKING		
10.1	In-country Maintenance Plan	Show proof of Agreement with repair/maintenance yard and adequate Maintenance Plan for the proposed vessel	
		Please indicate if in-house shipyard	
		Name of shipyard that will do maintenance of the vessel	
		Describe your company's Part Management Plan (including in-country inventory)	
10.2	Dry-dock Information	Date of Next Dry-dock	
		Location of Dry-dock	
		Planned Period of Time for Next Dry-dock	
10.3	Replacement Vessels	Please provide proof of a compliant replacement vessel	
		a) from its own fleet?	
		b) Please provide a copy of an agreement with a subcontractor that will allow Bidder to provide a compliant replacement vessel	
11	MARINE QUALITY ASSURANCE		
11.1	OVMSA	Indicate number of OVMSAs conducted by OC on Bidder's company in the last 5 years	
		If Bidder has not conducted an OVMSA in the last 5 year, please document if Bidder has started the OVMSA process	
		Please indicate Bidder is willing to share OVMSA results with MPN	
11.2	3rd party OVID assessment	Has an OVID Third Party Assessment been performed?	
		Has the Vessel been OVID inspected in the last 12 months (not applicable for newbuilt 2017+)	
		a) Yes	
		b) No	

11.3	Does Operator have ISO 9000 Quality Management Certification	Does your company have ISO 9000 Quality Management certification?	
11.4	Company Policies, Organization Charts and List of employees	Minimum requirement: Provided Relevant Documents	
11.5	Work History	Please indicate if Bidder has been working for an OC in the past 24 months?	
		a) Yes	
		b) No	
12	SECURITY		
12.1	Written procedures for controlling authorized access, including platform and gangway access procedures	Indicate if your company has written procedures for controlling authorized access, including platform and gangway access procedures	
12.2	Response procedures for detection of suspicious crafts	Indicate if your company has Response procedures for detection of suspicious crafts	
12.3	Security Emergency Response Plan	Does your company has a Security Emergency Response Plan?	
12.4	CCTV monitoring critical access points	Minimum requirement: Available	
		a) Yes	
		b) No	
12.5	Vessel ISPS ship security plan	Minimum requirement: Available	
		a) Yes	
		b) No	
12.6	Best Management Practices (West Africa) adopted (physical and written procedures)	Minimum requirement: Available	
		a) Yes	
		b) No	

6. 50 PAX SURFERS TO SUPPORT DEEPWATER OPERATIONS

PROVISION OF 50 PAX SURFERS TO SUPPORT DEEPWATER OPERATIONS

NAME OF BIDDER:

OFFICE ADDRESS OF BIDDER:

Criteria ID	MINIMUM REQUIREMENT	MINIMUM SPECIFICATION	BIDDER SPECIFICATIONS Please answer questions, attach documentation and indicate "yes" or "no" as applicable
1	MANDATORY REQUIREMENTS		
1.1	Corporate Registration in Nigeria	Provide verifiable proof of current corporation/ company registration in Nigeria	
1.2	Name of Vessel & Current Location	State name & current location of vessel	
1.3	Flag of Vessel	Provide Flag of Vessel or attach waiver certificate in lieu of Nigerian flag or letter of undertaking to provide copy before	

		mobilization	
1.4	Certificate of Registry	Provide Certificate of Registry	
1.5	Class Certificate	Provide copy of Class Certificate Recognized by International Association Of Class Society or NIMASA Certificate of Survey	
1.6	Place of Build/ Vessel Manufacturer	Indicate place of build and vessel Manufacturer?	
1.7	NIMASA Shipping Company Registration		
1.8	Current Service Specific DPR Registration	Provide verifiable proof of current Service specific DPR registration in Nigeria	
1.9	Year Built	2010 or later	
2	SAFETY HEALTH & ENVIRONMENT		
2.1	Safety Management System assessment: Contractor Evaluation Questionnaire (CEQ)	Complete Contractor Self-assessment Evaluation Questionnaire (CSEQ). Contractor Evaluation Questionnaire (CEQ) will be used for eventual assessment	
2.2	HSE Organization	Attach copy of Bidder's HSE Organization Chart with Roles and Responsibilities and employee names	
2.3	Drug & Alcohol Policy	Attach copy of Bidder's Drug & Alcohol Policy and evidence of compliance	
2.4	Health Management Plan	Attach copy Health and Safety Policy	
2.5	Personnel Safety Statistics	Provide Personnel Safety Statistics for Owner and Vessel	
2.6	Incident Investigation Plan	Attach Incident Investigation Plan (include Near Miss reporting and lessons learned program, Hazard ID reporting & action item closure program, Behavior Based Safety Program, Occupational Health Program, Safety Award Program, Food Handlers hygiene and safe food handling program)	
3	DIMENSIONS		
3.1	Length	Minimum requirement: 27 meters (89 ft.)	
3.2	Beam	Minimum requirement: 6 meters (20 ft.)	
3.3	Draft	Maximum requirement: 1.2 meters (4.6 ft.)	
4	PROPULSION/ MACHINERY		
4.1	Main Engines	Minimum requirement: Two (2) diesel engine with min. of two (2) water jets propulsion system	
4.2	Break Horsepower (BHP)	Minimum requirement: 2,000	
4.3	Service Speed	Minimum requirement: 25 Knots at Cruising Speed	
4.4	Fuel Consumption (liters/ day)	Provide fuel consumption at specified speed levels:	
		Service/Cruising speed	
		Max speed	
		Idle / Stand-by speed	
4.5	Customized Fuel Consumption Curve	Provide customized fuel consumption curve from engine manufacturer	

4.6	Class Endorsed Sea Trial Report	Provide Class endorsed Sea Trial Report	
4.7	Class Endorsed Tank Calibration Table	Provide Class endorsed Tank Calibration Table?	
4.8	Fuel Monitoring System	Indicate if vessel has an approved Fuel Monitoring System on board and date of installation	
		Please provide the P&IDs of a compliant eFMS, either current or proposed	
		Provide an eFMS Installation Schedule or proof of installation of a compliant eFMS	
4.9	Fuel Management Program (FMP)	Explain Bidder's Fuel Management Program and date of implementation	
5.0	FUEL/ WATER/OPEN DECK CAPACITY		
5.1	Fuel Capacity	Minimum requirement: 10,000 liters	
5.2	Potable Water Capacity	Minimum requirement: 1,000 liters	
5.3	Open Deck Capacity	Minimum requirement: 3 MT Cargo capacity	
5.4	Personnel Transfer Basket	Ability to land PTB (Billy Pugh)	
6.0	EQUIPMENT & FITTINGS		
6.1	Potable Water Transfer Pump	Minimum requirement: One (1)	
6.2	Calibrated Fuel Loading/ Discharging Meter	Minimum requirement: One (1)	
6.3	Fuel Transfer Hose	Minimum requirement: One (1)	
6.4	Potable Water Transfer Hose	Minimum requirement: One (1)	
6.5	Fuel Oil Separator	Minimum requirement: One (1)	
6.6	Oily Bilge Water Separator	Minimum requirement: One (1)	
6.7	Fire Water Pump	Minimum requirement: One (1)	
6.8	Fire Monitor (top of wheelhouse)	Minimum requirement: One (1)	
6.9	Man Over Board Rescue System	Minimum requirement: One (1)	
6.10	Thermal Camera	Minimum requirement: One (1)	
7	CREW & PASSENGERS		
7.1	Crew complement	Provide CVs and Certifications for key crew members (Captain, Chief Engr, First Mate)	
		Attach current STCW Certificates and expiry date	
		Provide evidence of shore based training programs and refreshers	
		Shows evidence of MOB drill conducted in the last 6 months (not applicable to new built)	
		a) is done in-house (all key crew members are employed directly by Bidder)	
		b) is partially done in-house & through Agency (some key crew members are employed directly by Bidder and some are employed through manning agency)	
		c) is done through manning agency (all key crew members are sourced through a third-party agency)	
7.2	Accommodation	Minimum requirement: Fully air conditioned	
7.3	Passenger Seating Capacity	Minimum requirement: 50 Pax (excluding crew)	

7.4	Personnel Landing Platform at Stern of Vessel with Removable Handrails	Minimum requirement: Available	
7.5	Rescue Zone Marked on Section of Hull and Deck	Minimum requirement: Available	
7.6	Man Overboard recovery system	Minimum requirement: Available	
7.7	Marine Life Raft (Hold the number of people the vessel is certified to carry)	Minimum requirement: One (1)	
7.8	Stretchers	Minimum requirement: Two (2)	
7.9	Recovery Hooks	Minimum requirement: Two (2)	
7.10	Lifebuys	Minimum requirement: Two (2)	
8	NAVIGATION & COMMUNICATION		
8.1	Marine Radar with ARPA and ECDIS	Minimum requirement: One (1)	
8.2	VHF Radio	Minimum requirement: Two (2)	
8.3	Automatic Identification System (AIS)	Minimum requirement: Two (2)	
8.4	Satellite Phone	Minimum requirement: One (1) in Safe Haven	
8.5	Hand-held VHF Radio with Charger	Minimum requirement: Two (2)	
8.6	SSB Radio (with programmable frequencies)	Minimum requirement: One (1)	
8.7	Searchlights	Minimum requirement: One (1)	
8.8	GPS Receiver	Minimum requirement: One (1)	
8.9	Magnetic Compass	Minimum requirement: One (1)	
8.10	EPIRB	Minimum requirement: One (1)	
8.11	Echo Sounder	Minimum requirement: One (1)	
8.12	NAVTEX Receiver	Minimum requirement: Available	
8.13	E-mail Capability	Minimum requirement: Available	
8.14	INMARSAT Voice/ Data Communications	Minimum requirement: Available	
8.15	Vessel Range	Minimum requirement: 300 Nautical Miles at cruising speed with Pax	
9	CONSTRUCTION		
9.1	Material - Hull	Minimum requirement: Aluminum Alloy or Composite	
9.2	Adequate Rubber Fenders	Minimum requirement: Adequate fenders around the vessel	
9.3	Design	Bow fending and bow configuration meet the required clearance specifications (350 to 450 mm) from the installation ladder	
		Vessel is equipped with Stair Tower Landing	
9.4	New Build or Modifications	Bidder has demonstrated that vessel will be available and delivered on time	
10	MAINTENANCE & DRYDOCKING		
10.1	In-country Maintenance Plan	Show proof of Agreement with repair/maintenance yard and adequate Maintenance Plan for the proposed vessel	
		Please indicate if in-house shipyard	
		Name of shipyard that will do maintenance of the vessel	

		Describe your company's Part Management Plan (including in-country inventory)	
10.2	Dry-dock Information	Date of Next Dry-dock	
		Location of Dry-dock	
		Planned Period of Time for Next Dry-dock	
10.3	Replacement Vessels	Please provide proof of a compliant replacement vessel	
		a) from its own fleet?	
		b) Please provide a copy of an agreement with a subcontractor that will allow Bidder to provide a compliant replacement vessel	
11	MARINE QUALITY ASSURANCE		
11.1	OVMSA	Indicate number of OVMSAs conducted by OC on Bidder's company in the last 5 years	
		If Bidder has not conducted an OVMSA in the last 5 year, please document if Bidder has started the OVMSA process	
		Please indicate Bidder is willing to share OVMSA results with MPN	
11.2	3rd party OVID assessment	Has an OVID Third Party Assessment been performed?	
		Has the Vessel been OVID inspected in the last 12 months (not applicable for new built 2017+)	
		a) Yes b) No	
11.3	Does Operator have ISO 9000 Quality Management Certification	Does your company have ISO 9000 Quality Management certification?	
11.4	Company Policies, Organization Charts and List of employees	Minimum requirement: Provided Relevant Documents	
11.5	Work History	Please indicate if Bidder has been working for an OC in the past 24 months?	
		a) Yes b) No	
12	SECURITY		
12.1	Written procedures for controlling authorized access, including platform and gangway access procedures	Indicate if your company has written procedures for controlling authorized access, including platform and gangway access procedures	
12.2	Response procedures for detection of suspicious crafts	Indicate if your company has Response procedures for detection of suspicious crafts	
12.3	Security Emergency Response Plan	Does your company has a Security Emergency Response Plan?	
12.4	CCTV monitoring critical access points	Minimum requirement: Available	
		a) Yes b) No	
12.5	Vessel ISPS Security plan and Safe Haven availability	Minimum requirement: Available	
		a) Yes b) No	
12.6	Best Management Practices (West Africa) adopted (physical and written	Minimum requirement: Available	
		a) Yes	

procedures)

b) No

DETAILED SPECIFICATIONS OF
EXPORT TERMINAL TUG TO SUPPORT J.V. MARINE EXPORT
OPERATIONS

Scope of Work

Contractor shall provide vessel, equipment and crew necessary to provide 24 hrs / day / week, 52 weeks per year service throughout the term of the contract. Mainly to support JV Field Marine Export operations but, may be used to support other Nigerian Company operations. Vessel **MUST** be of design to safely conduct export tanker tow back duties from the bow winch.

7 x Line Handling Tugs

1 **Main Characteristics**

Year Built	Not more than 10 years old
Flag	Nigerian preferred
Cabotage	In full compliance with Nigerian Cabotage Law.
Length	Length overall range 30.00 meters to 40.00 meters.
Breadth	Breadth overall range 10.00 meters to 12 meters.
Draft	Fully loaded maximum draft range 4.50- 4.90 meters. Light draft range 3.00 - 3.50 meters, to be able to safely enter Escravos dock.
Performance	Rated Economical Speed approx. 10 knots Rated Full Speed approx. 13 knots
Fuel consumption	Maximum 12m ³ / day AGO at full speed
Class	Class Certificate IACS approved LRS, ABS, DNV or BV with the following notifications (example) 100 A1 / LMC UMS / Unrestricted Navigation / FIFI 1
Bollard Pull	Range 60 – 70 T
Bollard pull certificate	Less than 5 years old and for ahead and astern pull
IMCA	Company to be members of IMCA

DETAILED SPECIFICATIONS OF
EXPORT TERMINAL TUG TO SUPPORT J.V. MARINE EXPORT
OPERATIONS

3. Propulsion Machinery

Marine Diesel Engine	2 x 2500 - 3000 BPH Preferably Marine Diesel Electric engines.
Bow thruster	1 x 200 - 300 BHP bow thruster
Engine exhaust	Must be fitted with silencers and spark arrestors
Engine Control Room	Enclosed engine room control space, air conditioned. With remote engine controls
Generators	Minimum of two (2) Main generators sufficiently rated to support all electrical equipment and be able to be paralleled.
Harbor / emergency generator	Generator sufficient output for domestic use harbor / emergency use and able to support all hotel services onboard including Air Conditioning.
Water maker	Water maker with the capacity to replenish vessels daily consumption.
Propulsion	2 ASD propellers
Propeller Rope cutters	Rope cutters shall be installed on each propeller.

4. Bulk Equipment

Fuel Oil Capacity	AGO capacity range of 100- 200m3 with capability to transfer to another vessel / installation via flow meter.
Fuel Oil Separator	AGO separator of 5,000 liters per day minimum.
Fuel meter and monitoring system	Vessel shall have installed a dedicated non by-passable flow meter with print out and certificate and must be equipped with an electronic web based fuel monitoring system.
Lube Oil	To be supplied by Contractor. Capacity of LO tank shall be sufficient for 1 complete oil change of all units. Lube tank shall have valves and plugs to transfer / fill from drums.
Potable Water Capacity	Potable water capacity range of approximately 40 - 80 m3
TODO fittings	AGO connections should be of a TODO type fitting.
Foam	10M3 holding tank
Detergent	10M3 Holding tank

**DETAILED SPECIFICATIONS OF
EXPORT TERMINAL TUG TO SUPPORT J.V. MARINE EXPORT
OPERATIONS**

5. Deck Equipment

Tow winch	Electric or Hydraulic, 2 speed single drum winch. Wire spooling gear fitted. Emergency tow release mechanism required. Tow line load monitoring with wheelhouse monitoring 150 t brake holding with adjustable rendering Line pull up to 20m/min @ 20m/t. 6m.min@ 70 m/t. 800 Mtr wire drum capacity.
Bow tow winch	Electric or Hydraulic driven two speed split drum heavy duty Towing winch. Wire spooling gear fitted. 150 t brake holding with adjustable rendering. Line pull up to 20m/min @ 20m/t. 6m.min@ 70 mit Must be independent capstan or integrated warping heads and means to handle and stow towing stretcher and pennant. Emergency tow release mechanism required. Tow line load monitoring with wheelhouse monitoring 400 Mtr wire drum capacity.
Forward towing staple (fairlead), bullnose, roller chock etc.	Should be of adequate size to allow passage of towing gear including shackles, towing stretcher and pennant wires. Bullnose radius shall be faired to avoid chafing and damage to gear and designed to industry standards.
Capstan/Tugger winch	1 x 5T electric driven on main deck.
Tow pins/ Sharks Jaw	1 set of 250T with remote control from bridge.
Stern Roller	1 x 3.8 meter x 1.4 meter at 200T.
Storage Reel	Adequate to hold spare tow wire.
Quick release	Tow winches to be furnished with quick release mechanism with remote control from bridge.
Tension meters	Tow winches to be fitted with tension meter.
Deck lashing lugs	Minimum of five (5) Lashing Lugs, flush with deck of 5 ton SWL shall be welded on each side of the main deck and on centre line for securing of deck cargoes.
Deck Strength	Deck strength 1.5 ton per square meter minimum.
Working wires / strops / shackles	Adequate equipment shall be carried to ensure tanker offloads can be conducted in a safe manner.

**DETAILED SPECIFICATIONS OF
EXPORT TERMINAL TUG TO SUPPORT J.V. MARINE EXPORT
OPERATIONS**

Anchor equipment	2 x 360 kg HHP with suitable windlass and sufficient chain.
Fendering	Adequate D-Fendering on sides with W-Block bow fender
Surfer boat landing	One (1) removable ,adequate sized. surfer boat landing

DETAILED SPECIFICATIONS OF
EXPORT TERMINAL TUG TO SUPPORT J.V. MARINE EXPORT
OPERATIONS

6. Fire Fighting System Class FI-FI I

Fire Fighting Class 1	To comply with Class requirements and storage of foam.
Fi-Fi monitors	Two each remote controlled water and foam monitors to comply with class requirements. Monitors shall have 180 degrees unobstructed swinging range. System shall be able to deliver foam in concentration percentages as required.
Paint and Chemical storage lockers	2 dedicated Lockers to be ventilated and have a fixed fire system protected as per class requirements.

7. Accommodation

Accommodation 2 x 1 cabins	To have their own wash basin.
Accommodation 3 x 4 crew cabins	To have access to 2 toilets, 3 wash basins and 2 showers.
Air Conditioning	All accommodations, state rooms and bridge shall be air conditioned, suitable for extended operations in a tropical environment.
Crew Requirements	Sufficient Officers and crew to carry out continuous operations as per scope of work. Senior personnel to have internationally recognized qualifications as per latest STCW. All crew to comply with COMPANY HES requirements. All officers and crew must be vetted and approved by Company Rep.
Fridges /Freezers /Store rooms	Must have adequate storage for all crew for 30 days operations.
Galley	To be adequately outfitted to support scope of work. All cooking appliances shall be electrical.
Laundry Equipment	Minimum one (1) each commercial size clothes washer and clothes dryer installed in changing room.
Mess room	Mess room shall be fit for amount of personnel onboard and shall have a TV /DVD system.
PPE	All PPE to be supplied by the Contractor and comply with company requirements

**DETAILED SPECIFICATIONS OF
EXPORT TERMINAL TUG TO SUPPORT J.V. MARINE EXPORT
OPERATIONS**

8. Anti-Pollution System

Bilge water oil separator	Oily bilge water separator as per MARPOL
Dirty Oil Recovering tank	Sufficient capacity to hold waste oil accumulated for 2 months continuous operations. Dedicated discharge pump system to enable discharge in 4 hours.
Sewage plant	Sewage treatment plant as per MARPOL
Dispersant booms	2 booms, 1 fixed on each side of vessel at deck level with inductor system.

9. Electrical

Electrical fittings	All electrical fittings, components etc., are to be suitable for the marine environment. Materials are to be corrosion resistant and adequately protected against dampness and ingress of water. All exterior switches and wet space shall be watertight. Light fittings located in areas containing stores, emitting inflammable gas and/or vapors, are to comply with Classification Society Regulations.
Deck power	220 V power shall be available on deck. Intrinsically Safe socket
Deck Lighting	All deck areas (bow and main deck) shall have adequate high power floodlights for night time operations.
Emergency Lighting System	Emergency lighting to be provided throughout the vessel should be supplied from the emergency switchboard and should be in addition to the main lighting throughout the vessel. Adequate 24DC back-up battery system to fit for the purpose

**DETAILED SPECIFICATIONS OF
EXPORT TERMINAL TUG TO SUPPORT J.V. MARINE EXPORT
OPERATIONS**

10. Navigation and Communications

Communication "Tanney" system	Tanney to be "all stations in accommodation" and separate system for main deck and fore deck.
Communication Internal	Telephone system to all cabins and public spaces. Independent system for deck / bridge and ER communication.
Gyro	Minimum 1 Gyro compass with repeater at each maneuvering station.
Magnetic Compass	Standard
Echo Sounder	Readout and color printout
Maneuvering station aft	Astern facing maneuvering station shall have full view of deck area. Access to all engine controls, rudder angle indicator, gyro compass repeater, engine revolution and temperature indicators, emergency stops, VHF radio, ships internal communication system, loud hailer system, radar monitor, depth sounder, one search light and Launch Davits.
Maneuvering station forward	Forward maneuvering station shall have access to all engine controls, gyro compass repeater, engine revolution and temperature indicators, auto pilot, emergency stops, VHF radio, ships internal communication system, loud hailer system, radar monitor, depth sounder read-out and one search light.
Radars	One (1) daylight ARPA radar's and one (1) Radar equipped with Automatic Identification System {A.I.S.}.
Searchlights	Two (2) each (2,000 watt) halogen searchlights, one at forward maneuvering station & 1 at astern maneuvering station.
VHF radios	Fixed stations to marine multi channel programmable. Minimum of 3 portable VHF radios, intrinsically safe, multi marine channel.

Detailed Specifications Of Platform Supply Vessel (PSV) Tender To Support Eastern Area JV Marine Operations

Scope of Work

Contractor shall provide vessel, equipment and crew necessary to provide 24 hrs / day / week, 52 weeks per year service throughout the term of the contract. Mainly to support J.V. Field Marine operations but, may be used to support other Nigerian Company operations.

1 x Platform Supply Vessel (PSV)

1. Main Characteristics

Year Built	Not more than 20 years old (no rebuild).
Flag	Nigerian preferred
Cabotage	In full compliance with Nigerian Cabotage Law.
Length	Length overall 55.00-64.00 meters
Breadth	Breadth overall 12.00- 16.00 meters.
Draft	Fully loaded maximum draft 4.00-4.50 meters.
GRT	Less than 1000 T.
Performance	Rated Speed loaded approx. 12 knots Rated speed in ballast approx. 14 knots
Fuel consumption	Maximum 13m ³ / day AGO at full speed
Escravos Port	Operator shall understand and be willing to operate the vessel from Escravos Base.
Compliance Societies	Operator to be a member of IMCA and to be registered with OCIMF with a completed and unloaded OVMSA within OVID database.

2. Certification

To comply with latest:

1	Class Certificate IACS approved LRS, ABS, DNV or BV with the following notifications (example) 100 A1 / LMC UMS / Unrestricted Navigation
2	Certificate of registry
3	Survival Craft Certificate
4	SART Certificate
5	International Convention for Safety of Life at Sea [SOLAS COLREGS 1972
6	International Load Line Certificate
7	International Safety Equipment Certificate
8	International Safety Construction Certificate
9	International Safety Cargo Securing Manual Certificate
10	International Safety Radio Certificate. GMDSS amendments with E-mail
11	International Convention for Tonnage measurements of Ships,
12	International Convention for Prevention of Pollution [MARPOL]
13	MARPOL Annex I Oil Certificate
14	MARPOL Annex I Shipboard Oil Pollution Emergency Plan (SOPEP)
15	MARPOL Annex II Procedure and Arrangements Manual (P&A Manual)
16	MARPOL Annex IV Sewage Statement of Compliance
17	MARPOL Annex V Garbage Management Plan Certificate
18	MARPOL Annex VI Air Pollution Statement of Compliance
19	Full compliance of IMO
20	ISM certified
21	ISPS compliance with Security plan approved by flag state. Plan shall include ship security alert system, shelter in place and ability to secure all enclosed spaces.
22	Vessel shall comply with Nigerian Maritime Regulations - Cabotage
23	Be certificated for the carriage of Radioactive sources in Nigerian waters.
24	Anti fouling certificate
25	Chain register – all lifting equipment to be certificated with traceable certification.
26	Minimum Safe Manning certificate-
27	STCW 95- compliance with minimum rest periods and working hours
28	Certificates of insurance for Hull, Third Party, Marine and P&I

**Detailed Specifications Of
Platform Supply Vessel (PSV) Tender
To Support Eastern Area JV Marine Operations**

29	Ballast management plan
30	Oil Record book part 2
31	Damage stability information
32	Valid latest versions of Navigation Charts and nautical publications corrected for latest Notice to Mariners
33	Have a fully stocked medical locker in compliance with standards for size and type of vessel

3. Propulsion Machinery

Marine Diesel Engine	2 x 2000 BPH minimal with heavy duty rated, Medium speed, Marine Diesel engines or preferred option of diesel electric or hybrid systems.
Bow thruster	1 x 500BHP bow thruster.
Engine exhaust	Must be fitted with silencers and spark arrestors
Engine Control Room	Enclosed engine room control space, air conditioned. With remote engine controls
Generators	Minimum of two (2) Main generators sufficiently rated to support all electrical equipment.
Harbor / emergency generator	Generator sufficient output for domestic use harbor / emergency use and able to support all hotel services onboard including Air Conditioning.
Water maker	Water maker with the capacity to replenish vessels daily consumption.
Propulsion	Preferably two Z-Drive or ASD [Azimuth Stern Drive] CPP in Kort nozzles and automatic brake to stop rotation of propellers when de-clutched. However straight through drive CCP in Kort nozzles will be considered.
Propeller Rope cutters	Rope cutters shall be installed on each propeller.

4. Bulk Equipment

Fuel Capacity	AGO capacity of 450.00- 500.00 m3 minimum with capability to transfer to another vessel/installation via flow meter. Vessel should be able to transfer AGO at 90 m3/hr at a 85M head.
Fuel Oil Separator	AGO separator of 10,000 liters per day minimum.
Fuel flow meter	Vessel shall have installed a dedicated flow meter with print out and certificate.
Fuel tracking system	Vessel shall have an electronic web based fuel monitoring system accounting for all fuel to all engines and generators , including all fuel loading and discharging points. Access shall be given to client.
Lube Oil	To be supplied by Contractor. Capacity of LO tank shall be sufficient for 1 complete oil change of all units. Lub tank shall have valves and plugs to transfer / fill from drums.
Potable Water Capacity	Potable water capacity of 400m3 minimum with capability to transfer to another vessel. Minimum transfer rate 90m3/hr with a 85M head.
TODO fittings	AGO connections must be of a TODO type fitting.



**Detailed Specifications Of
Platform Supply Vessel (PSV) Tender
To Support Eastern Area JV Marine Operations**

5. Deck Equipment

Deck Strength	Deck strength 2.6 - 3.5 ton per square meter.
Deck Load capacity	500.00 – 700.00 tonnes
Deck length	31m minimum
Deck Width	9 m minimum
Deck area in Sq Metres	275m2 minimum. Cargo storage area to be wooden cladded.
Capstans / warping drums aft	One (1) each at Port and Starboard quarter.
Tugger winches	One (1) each port and starboard at forward main deck.
Deck lashing lugs	Minimum of five (5) Lashing Lugs, flush with deck of 5 ton SWL shall be welded on each side of the main deck and on centre line for securing of deck cargoes.
Reefer connections	Vessel to be fitted with four off electrical reefer connections to allow power of 110v, 220v or 440v to be supplied to drive reefer unit compressors.
Working wires / strops / shackles	Vessel shall carry sufficient quantity of certified shackles, strops, wire rope blocks and lifting equipment for safe PSV operations. All wire strops to have mechanical splices. Adequate equipment shall be carried to ensure deck cargo can be safely secured to prevent movement during transit.

6. Fire Fighting System Class FI-FI I

Fire Fighting Class 1	To comply with Class requirements and storage of foam.
Fi-Fi monitors	Two each remote controlled water and foam monitors to comply with class requirements. Monitors shall have 180 degrees unobstructed swinging range. System shall be able to deliver foam in concentration percentages as required.
Deluge system	Vessel shall have self protecting water spraying system with stainless steel nozzles to comply with class requirements.
Paint and Chemical storage lockers	2 dedicated Lockers to be ventilated and have a fixed fire system protected as per class requirements.

7. Accommodation

Accommodation 2 x 1 Officers cabins	Captain, Chief Engineer cabins have their own toilet, wash basin and shower
Accommodation 4 x 2 crew cabins 2 x 4 men passenger cabins	Crew/ Passenger accommodation shall have access to 5 toilets. 5 wash basins and 5 showers.
Company Personnel	Vessel should be capable of accommodating up to 2 company personnel in addition to regular crew during transit.
Air Conditioning	All accommodations, state rooms and bridge shall be air conditioned, suitable for extended operations in a tropical environment.
Crew Requirements	Sufficient Officers and crew to carry out continuous operations as per scope of work. Senior personnel to have internationally recognized qualifications as per latest STCW. All crew to comply with COMPANY HES requirements. All officers and crew must be vetted and approved by Company Rep.
Fridges /Freezers /Store rooms	Must have adequate storage for all crew for 30 days operations.

**Detailed Specifications Of
Platform Supply Vessel (PSV) Tender
To Support Eastern Area JV Marine Operations**

Galley	To be adequately outfitted to support scope of work. All cooking appliances shall be electrical.
Laundry Equipment	Minimum one (1) each commercial size clothes washer and clothes dryer installed in changing room.
Messrooms	Two (2) messrooms rated for Officers and Crew. Each mess room shall have independent TV / DVD system.
PPE	All PPE to be supplied by the Contractor and comply with company requirements

8. Electrical

Electrical fittings	All electrical fittings, components etc., are to be suitable for the marine environment. Materials are to be corrosion resistant and adequately protected against dampness and ingress of water. All exterior switches and wet space shall be watertight. Light fittings located in areas containing stores, emitting inflammable gas and/or vapors, are to comply with Classification Society Regulations.
Deck power	220 V power shall be available on deck. Intrinsically Safe socket
Deck Lighting	All deck areas (bow and main deck) shall have adequate high power floodlights for night time operations.
Emergency Lighting System	Emergency lighting to be provided throughout the vessel should be supplied from the emergency switchboard and should be in addition to the main lighting throughout the vessel. Adequate 24DC back-up battery system to fit for the purpose

9. Navigation and Communications

Communication "Tannoy" system	Tannoy to be "all stations in accommodation" and separate system for main deck and fore deck.
Communication Internal	Telephone system to all cabins and public spaces. Independent system for deck / bridge and ER communication.
Gyro	Minimum 1 Gyro compass with repeater at each maneuvering station.
Magnetic Compass	Standard
Echo Sounder	Readout and color printout
Maneuvering station aft	Astern facing maneuvering station shall have full view of deck area. Access to all engine control's, rudder angle indicator, gyro compass repeater, engine revolution and temperature indicators, emergency stops, VHF radio, ships internal communication system, loud hailer system, radar monitor, depth sounder and anemometer read-out, and one search light.
Maneuvering station forward	Forward maneuvering station shall have access to all engine controls, gyro compass repeater, engine revolution and temperature indicators, auto pilot, emergency stops, VHF radio, ships internal communication system, loud hailer system, radar monitor, depth sounder read-out and one search light. Forward winch controls.
Radars	One (1) daylight ARPA radar's and one (1) Radar equipped with Automatic Identification System [A.I.S.].
Searchlights	Two (2) each (2,000 watt) halogen searchlights, 1 controlled from forward maneuvering station & 1 remote controlled from astern maneuvering station.
VHF radios	Fixed stations to marine multi-channel programmable. Minimum of 3 portable VHF radios, intrinsically safe, multi marine channel.
Wind speed and direction meter	Wind, speed & direction meter with read out at each maneuvering station.
Trim and Stability	Vessel must be able to ballast to ensure safe operations with minimum fuel and FW.

Detailed Specifications Of Small Platform Supply Vessel (PSV) To Support JV Marine Operations

Scope of Work

Contractor shall provide vessel, equipment and crew necessary to provide 24 hrs / day / week, 52 weeks per year service throughout the term of the contract. Mainly to support J.V. operations but, may be used to support other Nigerian Company operations.

Platform Supply Vessel (psv)

1 .Main Characteristics

Year Built	Not more than 20 years old
Flag	Nigerian preferred
Cabotage	In full compliance with Nigerian Cabotage Law.
Length	Length overall approx. 55.00 meters
Breadth	Breadth overall approx. 12.50 meters minimum.
Draft	Fully loaded maximum draft 4.30 meters. Minimum draft 2.60 meters.
Deadweight	1100 T minimum
GRT	900-1100 T
Performance	Rated Speed loaded approx. 11 knots Rated speed in ballast approx. 13 knots
Fuel consumption	Maximum 13m ³ / day AGO at full speed
DP Capability	Vessel and all vessel systems and equipment shall be designed to comply with IMCA DP1 requirements. Vessel shall have an FMEA that meets IMCA requirements. Vessel shall have performed annual FMEA verification trials witnessed by an independent third party. All A & B level items identified during FMEA annual verification trials must have been cleared before vessel comes on hire. Copy of latest FMEA verification and closeouts must be supplied to Company before vessel will be considered acceptable for charter.
Escravos Port	Operator shall understand and be willing to operate the vessel from Escravos Base.
Compliance Societies	Operator to be a member of IMCA and to be registered with OCIMF with a completed and uploaded OVMSA within OVID database.

2. Certification

To comply with latest:

1	Class Certificate IACS approved LRS, ABS, DNV or BV with the following notifications (example) 100 A1 / LMC UMS / Unrestricted Navigation / DP1
2	Certificate of registry
3	Survival Craft Certificate
4	SART Certificate
5	International Convention for Safety of Life at Sea [SOLAS] COLREGS 1972
6	International Load Line Certificate
7	International Safety Equipment Certificate
8	International Safety Construction Certificate
9	International Safety Cargo Securing Manual Certificate
10	International Safety Radio Certificate. GMDSS amendments with E-mail
11	International Convention for Tonnage measurements of Ships,
12	International Convention for Prevention of Pollution [MARPOL]
13	MARPOL Annex I Oil Certificate
14	MARPOL Annex I Shipboard Oil Pollution Emergency Plan (SOPEP)
15	MARPOL Annex II Procedure and Arrangements Manual (P&A Manual)
16	MARPOL Annex IV Sewage Statement of Compliance
17	MARPOL Annex V Garbage Management Plan Certificate
18	MARPOL Annex VI Air Pollution Statement of Compliance

Detailed Specifications Of
Small Platform Supply Vessel (PSV)
To Support JV Marine Operations

19	Full compliance of IMO
20	ISM certified

Detailed Specifications Of Small Platform Supply Vessel (PSV) To Support JV Marine Operations

21	ISPS compliance with Security plan approved by flag state. Plan shall include ship security alert system, shelter in place and ability to secure all enclosed spaces.
22	Vessel shall comply with Nigerian Maritime Regulations - Cabotage
23	Be certificated for the carriage of Radioactive sources in Nigerian waters.
24	Anti fouling certificate
25	Chain register- all lifting equipment to be certificated with traceable certification.
26	Minimum Safe Manning certificate -
27	STCW 95 – compliance with minimum rest periods and working hours
28	Certificates of insurance for Hull, Third Party, Marine and P&I
29	Ballast management plan
30	Oil Record book part 2
31	Damage stability information
32	Valid latest versions of Navigation Charts and nautical publications corrected for latest Notice to Mariners
33	Have a fully stocked medical locker in compliance with standards for size and type of vessel

3. Propulsion Machinery

Marine Diesel Engine	2 x 2000 BHP minimal with heavy duty rated, Medium speed, Marine Diesel engines.
Bow thruster	1 x 600BHP bow thruster
Engine exhaust	Must be fitted with silencers and spark arrestors
Engine Control Room	Enclosed engine room control space, air conditioned. With remote engine controls
Dynamic Positioning	DP1 capability. Officers to have valid DP certificates and training. FMEA to be verified by DP Annual trials certified by 3rd party.
Generators	Minimum of two (2) Main generators sufficiently rated to support all electrical equipment and be able to be paralleled.
Harbor / emergency generator	Generator sufficient output for domestic use harbor / emergency use and able to support all hotel services onboard including Air Conditioning.
Water maker	Water maker with the capacity to replenish vessels daily consumption.
Propulsion	Preferably two Z-Drive or ASD [Azimuth Stern Drive] CPP in Kort nozzles and automatic brake to stop rotation of propellers when de-clutched. However straight through drive CCP with split rudder capability or 350 BHP stern thruster will be acceptable as a minimum.
Propeller Rope cutters	Rope cutters shall be installed on each propeller.

4. Bulk Equipment

Fuel Oil Capacity	AGO capacity of 250- 300 m3 minimum with capability to transfer to another vessel/ installation via flow meter. Vessel should be able to transfer AGO at 70 m3/hr at a 85M head.
Fuel Oil Separator	AGO separator of 10,000 liters per day minimum.
Fuel Oil System	AGO system to be designed to meet DP1 requirements and have adequate redundancy to comply with DP1 operational requirements.
Fuel flow meter	Vessel shall have installed a dedicated flow meter with print out and certificate.
Fuel tracking system	Vessel shall have an electronic web based fuel monitoring system accounting for all fuel to all engines and generators, including all fuel loading and discharging points and fully meet clients requirements. Access shall be given to client.
Lube Oil	To be supplied by Contractor. Capacity of LO tank shall be sufficient for 1 complete oil change of all units. Lub tank shall have valves and plugs to transfer / fill from drums.

**Detailed Specifications Of
Small Platform Supply Vessel (PSV)
To Support JV Marine Operations**

	Lub oil system to meet IMCA DP1 systems requirements.
Potable Water Capacity	Potable water capacity of 100- 120m ³ minimum with capability to transfer to another vessel. Minimum transfer rate 70m ³ /hr with a 85M head.
Drill water	Drill water capacity of 250 - 300m ³ with transfer capability of 70m ³ /hr with a 85m head.
Barytes, Bentonite & Cement	4 Vertical tanks with a minimum total capacity of 90m ³ . Fitted with working air dryers on bulk delivery system and tank content metering system (Soundfast or equivalent)
Oil Based Mud (OBM) / Brine	275m ³ @ 1.7 S.G. Preferably stored in round tanks to facilitate drainage. Tanks to be easily transformed to carry fuel, when required. Effective agitation in all tanks. Tanks are to have dual load/discharge lines to facilitate 2 differing cargos without contamination.
TODO fittings	AGO, OBM connections should be of a TODO type fitting.

5. Deck Equipment

Deck Strength	Deck strength 3.5 ton per square meter minimum.
Deck Load capacity	Approx 600 tonnes
Deck length	32- 35m
Deck Width	9-10m
Deck area in Sq Metres	300 m ² minimum. Cargo storage area to be wooden cladded.
Capstans / warping drums aft	One (1) each at Port and Starboard quarter.
Capstans / warping drums forward	One (1) each port and starboard.
Deck lashing lugs	Minimum of five (5) Lashing Lugs, flush with deck of 5 ton SWL shall be welded on each side of the main deck and on centre line for securing of deck cargoes.
Reefer connections	Vessel to be fitted with four off electrical reefer connections to allow power of 110v, 220v or 440v to be supplied to drive reefer unit compressors.
Working wires / strops / shackles	Vessel shall carry sufficient quantity of certified shackles, strops, wire rope blocks and lifting equipment for safe PSV operations. All wire strops to have mechanical splices. Adequate equipment shall be carried to ensure deck cargo can be safely secured to prevent movement during transit.

Detailed Specifications Of Small Platform Supply Vessel (PSV) To Support JV Marine Operations

6. Accommodation

Accommodation 1 x 2 person for Company Representative	One (1) Two (2) client Superintendents cabin with own toilet, wash basin and shower.
Accommodation 4 x 1 Officers cabins	Captain, Chief Engineer and senior officers cabins have their own toilet, wash basin and shower
Accommodation 5 x 2 crew cabins	Crew accommodation shall have access to 5 toilets, 5 wash basins and 5 showers.
Company Personnel	Vessel should be capable of accommodating up to 10 company personnel in addition to regular crew during transit.
Air Conditioning	All accommodations, state rooms and bridge shall be air conditioned, suitable for extended operations in a tropical environment.
Crew Requirements	Sufficient Officers and crew to carry out continuous operations as per scope of work. Senior personnel to have internationally recognized qualifications as per latest STCW. All crew to comply with COMPANY HES requirements. All officers and crew must be vetted and approved by Company Rep.
Fridges / Freezers /Store rooms	Must have adequate storage for all crew for 30 days operations.
Galley	To be adequately outfitted to support scope of work. All cooking appliances shall be electrical.
Laundry Equipment	Minimum one (1) each commercial size clothes washer and clothes dryer installed in changing room.
Messrooms	Two (2) messrooms rated for Officers and Crew. Each mess room shall have independent TV / DVD system.
PPE	All PPE to be supplied by the Contractor and comply with company requirements

8. Electrical

Electrical fittings	All electrical fittings, components etc. are to be suitable for the marine environment. Materials are to be corrosion resistant and adequately protected against dampness and ingress of water. All exterior switches and wet space shall be watertight. Light fittings located in areas containing stores, emitting inflammable gas and/or vapors, are to comply with Classification Society Regulations.
Deck power	220 V power shall be available on deck. Intrinsically Safe socket
Deck Lighting	All deck areas (bow and main deck) shall have adequate high power floodlights for night time operations.
Emergency Lighting System	Emergency lighting to be provided throughout the vessel should be supplied from the emergency switchboard and should be in addition to the main lighting throughout the vessel. Adequate 24DC back-up battery system to fit for the purpose

9. Navigation and Communications

Communication "Tannoy" system	Tannoy to be "all stations in accommodation" and separate system for main deck and fore deck.
Communication Internal	Telephone system to all cabins and public spaces. Independent system for deck /bridge and ER communication.
Gyro	Minimum 2 Gyro compasses with repeater at each maneuvering station.
Magnetic ComRass	Standard
Echo Sounder	Readout and color printout

**Detailed Specifications Of
Small Platform Supply Vessel (PSV)
To Support JV Marine Operations**

Maneuvering station aft	Astern facing maneuvering station shall have full view of deck area. Access to all engine control's, rudder angle indicator, gyro compass repeater, engine revolution and temperature indicators, emergency stops, VHF radio, ships internal communication system, loud hailer system, radar monitor, depth sounder and anemometer read-out, and one search light. DP single joy stick and heading rotation controls.
Maneuvering station forward	Forward maneuvering station shall have access to all engine controls, gyro compass repeater, engine revolution and temperature indicators, auto pilot, emergency stops, VHF radio, ships internal communication system, loud hailer system, radar monitor, depth sounder read-out and one search light. Forward winch controls. DP single joy stick and heading rotation controls.
Radars	Two (2) daylight ARPA radar's and one (1) Radar equipped with Automatic Identification System [A.I.S].
Searchlights	Two (2) each (2,000 watt) halogen searchlights, 1 at forward maneuvering station & 1 at astern maneuvering station.
VHF radios	Fixed stations to marine multi channel programmable. Minimum of 3 portable VHF radios, intrinsically safe, multi marine channel.
Wind speed and direction meter	Wind, speed & direction meter with read out at each maneuvering station and feed into DP system.
Trim and Stability	Vessel must be able to ballast to ensure safe operations with minimum fuel and FW.
DP System	Vessel shall be installed with a DP system and level of equipment for DP operation that meets or exceeds DP 1 minimum standards.