



Oil India Limited
(A Govt. of India Enterprise)
P.O. Duliajan – 786602, Assam, India

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Tender No. & Date : SDG 5711 P15/08 of 17.12.2014

Tender Fee : INR 4,500.00 OR USD 100.00

Bid Security : Applicable

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Bid Closing on : As mentioned in the Basic Data of the tender in OIL's e-portal.

Bid Opening on : As mentioned in the Basic Data of the tender in OIL's e-portal.

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Global Tenders for item detailed below:

Item No. / Mat. Code	Material Description	QTY.	UOM
1.	Supply and commissioning of a Swabbing Rig mounted on an oilfield truck along with a draw works complete with 5/8" sand line reel, telescopic mast with crown sheave assembly, operator control console, weight indicator and other necessary rigging up tools inclusive of necessary spares as per the following Annexures: a) Detailed specification- Annexure -AA . b) Bid Rejection Criteria (BRC) and Bid Evaluation Criteria- Annexure-BB .	1	No.

Special Notes :

1.0 The tender will be governed by "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) including Amendments & Addendum to "General Terms & Conditions" for e-Procurement.

2.0 Technical Check list and Commercial Check list are furnished . Please ensure that both the check lists are properly filled up and uploaded along with Technical bid.

3.0 The item qualifies for Nil duty / Deemed Export benefits. For Deemed Export benefits, please refer Addendum to the General terms and conditions for Global tender.

4.0 Please note that all tender forms and supporting documents are to be submitted through OIL's e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with tender no. and due date to The **Head Materials, Materials Department, Oil India Limited, Duliajan- 786602, Assam** on or before the Bid Closing Date and Time mentioned in the Tender.

a) Original Bid Security.

b) Detailed Catalogue and any other document which have been specified to be submitted in original.

5.0 In case of SINGLE STAGE-TWO BID SYSTEM, bidders shall prepare the “Techno-commercial Unpriced Bid” and “Priced Bid” separately and shall upload through electronic form in the OIL's e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The “Techno-commercial Unpriced Bid” shall contain all technical and commercial details except the prices which shall be kept blank. Details of prices as per Bid format / Commercial bid to be uploaded as attachment in the Attachment Tab “Notes and Attachments”.

A screen shot in this regard is given below.

Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.

Display RFx Response:

Edit | Print Preview | **Technical RFx Response** | Close | W

RFx Response Number 60006452 RFx Number TEST2 Sta
RFx Owner WIPRO_TEST1 Total Value 0.00 INR RFx R

RFx Information | Items | Notes and Attachments | Com

Basic Data | Questions

Event Parameters

Currency: Indian Rupee

Detailed Price Information: Price with Conditions

Terms of Payment: 9010 90% against despatch+10% after re

Service and Delive
Incoter

Status and Statist
Created C
Created E
Last Processed C
Last Processed E

▼ Partners and Delivery Information

Details | Send E-Mail | Call | Clear

Function	Number	Name	Valid fr
The table does not contain any data			

On “EDIT” Mode- The following screen will appear. Bidders are advised to Upload “Techno-Commercial Unpriced Bid” and “Priced Bid” in the places as indicated above:

The screenshot shows the 'Edit RFX Response' interface. At the top, there are tabs: 'Submit', 'Read Only', 'Print Preview', 'Check', 'Technical RFX Response' (highlighted), 'Close', and 'Save'. Below the tabs, a box labeled 'Bid on “EDIT” Mode' contains the following information: RFX Response Number 60006452, RFX Number TEST2, Status Withdrawn, Submission Deadline 13.04.2013 11:00:00 INDIA, RFX Owner WIPRO_TEST1, Total Value 0.00 INR, RFX Response Version Number 2, and RFX Version Number 5. Below this, there are four tabs: 'RFX Information', 'Items', 'Notes and Attachments' (highlighted), and 'Conditions'. A red arrow points from the 'Notes and Attachments' tab to a box labeled 'Area for uploading Techno-Commercial Unpriced Bid*'. Below the tabs, there is a 'Notes' section with an 'Add' button and a 'Clear' button. Below the 'Notes' section, there is a table with columns 'Assigned To', 'Category', and 'Text Preview'. Below the table, there is an 'Attachments' section with buttons: 'Sign Attachment', 'Add Attachment', 'Edit Description', 'Versioning', 'Delete', and 'Create Quat'. A red arrow points from the 'Attachments' section to a box labeled 'Area for uploading Priced Bid**'. Below the 'Attachments' section, there is a table with columns: 'Assigned To', 'Category', 'Description', 'File Name', 'Version', 'Processor', and 'Checked'. Below the table, there is a message: 'The table does not contain any data'.

Note :

- * The “Techno-Commercial Unpriced Bid” shall contain all techno-commercial details **except the prices.**
 - ** The “Price bid” must contain the price schedule and the bidder’s commercial terms and conditions. For uploading Price Bid, first click on Sign Attachment, a browser window will open, select the file from the PC and click on Sign to sign the Sign. On Signing a new file with extension .SSIG will be created. Close that window. Next click on Add Attachment, a browser window will open, select the .SSIG signed file from the PC and name the file under Description, Assigned to General Data and clock on OK to save the File.
- 6.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.
- 7.0 The Integrity Pact is applicable against this tender. OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide Annexure XII of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL’s competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder’s authorized signatory who sign the Bid.

OIL's Independent External Monitors at present are as under:

(I) SHRI N. GOPALASWAMI, I.A.S (Retd) ,
Former Chief Election Commissioner of India
E-mail Id : gopalaswamin@gmail.com

(II) SHRI RAMESH CHANDRA AGARWAL , IPS(Retd)
Former Director General of Police
E-mail Id : rcagarwal@rediffmail.com

8.0 Pre –Bid Conference :

- (A) A Pre-Bid Conference with the Parties will be held at New Delhi , India on 6th February '2015 to discuss on the technical specifications and other terms and conditions of the tender. All the Parties who purchase the Tender Document within the closing date of sale of the tender will be eligible to attend the Pre-Bid Conference. The exact venue and time of the Pre-Bid conference will be intimated to the Parties at a later date.
- (B) Clarification on the technical specifications and other terms & conditions shall be provided to the parties during the Pre-bid Conference. Parties should come fully prepared to the Pre-bid Conference and submit their queries to OIL in the Pre-bid Conference for clarification. More than two persons will not be allowed from each party and they should depute representatives who are competent enough and authorized to take spot decision . The set of queries may also be sent to OIL well in advance for study by OIL.
- (C) Any changes in the technical specifications and other terms & conditions arising out of discussion in the Pre-bid Conference shall also form part of the tender document.
- (D) Parties, immediately after the purchase of the Tender documents, shall inform OIL at the following address about their participation in the Pre-Bid Conference with details of the persons to enable OIL to make arrangement for the Pre-Bid Conference.

HEAD – MATERIALS
OIL INDIA LIMITED
P.O DULIAJAN, PIN – 786 602
DIST. DIBRUGARH (ASSAM) INDIA

FAX NO. : +91 - 374 – 2800533

E-Mail : matdmmfd@oilindia.in
materials@oilindia.in

SELF-PROPELLED OIL FIELD TRUCK MOUNTED SWABBING RIG UNIT

Supply and commissioning of a Swabbing Rig mounted on an oilfield truck along with a draw works complete with 5/8" sand line reel, telescopic mast with crown sheave assembly, operator control console, weight indicator and other necessary rigging up tools inclusive of necessary spares.

1.0 APPLICATION:

Intervention of Vertical wells and deviated wells (S-bend, J-bend, extended reach, Horizontal) for carrying out of the following through tubing well servicing jobs:

- a. Swabbing operation
- b. Fishing operation to recover wire line/slick line fish in the hole
- c. Run in and pull out of sucker rods with downhole pump assembly.

Fluid to be handled: Crude oil, Plain Water, Acid, Saline Water, high density slurries of sand / bauxite, resin etc.

2.0 EQUIPMENT DETAIL:**2.1 TRUCK CHASSIS:**

Brand New Truck chassis manufactured not prior to six (06) months from the date of issuance of Letter of Intent (LOI). It shall be of make *Kenworth, International, Peterbilt or Volvo* and shall be suitable for operation in rough terrain, typical oil field roads and desert environment. The offered model shall be state of art and conforming to international quality standard norms, having specifications, fittings, accessories, etc. as under -

2.2 DIMENSION (COMPLETE UNIT):

Overall Width	-	Should not be more than 2.6 meter
Overall Height	-	Should not be more than 4.0 meter
Overall Length	-	As per design.
Ground Clearance	-	Maximum ground clearance is required for this unit to avoid hitting of retrofitted undercarriage components while travelling on uneven roads in oilfield areas. It shall be bidder's endeavor to mount subsequently fitted undercarriage components (i.e. other than originally mounted components) at maximum possible height. It should not be less than approx. 20 cm. The ground clearance will not be applicable within 1 mtr distance of Axles.

2.3 ENGINE:

Water-cooled diesel engine of adequate power (in the range 350-450 HP at around rated rpm) suitable for road drive as well as swabbing operation and other operations as mentioned in Para 1.0 above. The engine shall conform to BS-III / EURO-III or equivalent Emission Norms and of make Caterpillar/ Cummins/ Volvo/International only.

2.4 **TRANSMISSION:**

Fully automatic transmission of Allison/ Volvo make, suitable for road drive and draw works /sand line drum operations, compatible with the engine output shall be provided. Suitable Transfer Case & PTO(s) for hydraulic system as per design and requirement shall be provided. The operating system for the Transfer Case / PTO(s) shall be through pneumatic actuator(s).

2.5 **DRIVE & STEERING**

Drive : 6 x 6, Dis-engageable front axle.
Steering : Right hand drive Hydraulic Power Assisted Steering
(steering wheel on the right hand side of the truck).
Minimum Turning Circle Radius: As per design.

2.6 **SUSPENSION, GVW & AXLES**

A.	Front Suspension	-	Heavy Duty Multi-Leaf Spring Suspension of suitable design with Shock Absorbers.
B.	Rear Suspension	-	Rocker Beam (Walking Beam) suspension.
C.	Laden Weight	-	As per design
	Front Axle Capacity	-	As per Design
	Rear Axle Capacity	-	As per Design
D.	Rear Axles shall have Inter Axle Lock & Differential Lock facility.		
E.	Laden Weight of the unit shall be within <i>Maximum Permissible Gross Vehicle Weight</i> (i.e. sum of Axle Capacities of all axles i.e. GVWR) of the unit. [Laden Weight means – Weight of the complete unit with all equipment & fittings i.e. weight of the chassis with driver's cabin + weight of Drawworks permanently mounted on the unit , weight of the mast, weight of all anchoring guy lines, accessories, spare wheels, hydraulic & diesel oil, etc. Accordingly, Laden Weight is the sum of actual loading on each individual axle.]		

2.7 **WHEELS & RIMS**

Suitable wheels (02 Nos. at Front Axle, 08 Nos. at Rear Axles) of adequate size and ply rating with two (02) sets of complete spare wheel (even in case of same front & rear wheels). Wheel rim shall be of single piece (non-split type rim)

Super Single tyre is not acceptable.

It shall be bidder's endeavor to offer front and rear wheels of same size & type. If not possible for design constraint, spare wheels as stated above should be supplied. Suitable lifting & mounting arrangement facility for spare wheels shall be provided.

2.8 BRAKE:

- A. Service Brake** - Multiple Circuit Pneumatic S-Cam / Z cam brake acting on all wheels.
- B. Parking/ Emergency Brake** - Parking Brake with failsafe operating system through hand operated shifter valve. It shall automatically get engaged in the event of low/ no air pressure.
- C.** All Emergency / Parking Brake Servos shall have manual release mechanism (Screw Type) to release the brake manually in case of low/ no air pressure for maintenance.
- D.** Adequate numbers of air tanks to cater supply of air to different pneumatic operations. All tanks shall have Drain Plugs.
- E.** Suitable air dryer is to be provided.
- F.** All wheel brake drums shall have Dust Cover.
- G.** Buzzer warning for low air pressure.

2.9 FUEL TANK

Two (02) fuel tanks each of minimum 100 US gallon (380 Lts.) capacity. Suitable strainer at the opening of the tank to prevent entry of foreign materials & locking arrangement shall be provided.

2.10 DRIVER'S CABIN

Factory built semi forward (original built & supplied with chassis by chassis manufacturer) ergonomically designed floating steel/aluminum driver's cabin (Sleeper Cab) complete with all standards fittings. Sitting capacity inside the cabin should preferably be three (03) including the driver.

3.0 OPERATOR'S CABIN

Ergonomically designed air conditioned operator's cabin fabricated with following broad features / specifications –

- a. Spacious operator's cabin just behind driver's cabin facing towards rear of the unit. The cabin shall be such that it can accommodate and allow unrestricted movement of personnel with average height of six (06) feet. It shall be suitably designed with large rectangular windshield glass for proper viewing of mast, draw works, entire working platform, well head etc. during operation of the unit. Two nos sliding type lockable door with slide open/ close window shall be provided at each sides of the cabin. Suitable rain gutter shall be provided.
- b. Overall size of the cabin shall be suitable for easy movement of work personnel besides having control panel, gauges & instruments, seating arrangement, etc. inside it. The Bidder shall furnish all dimensional information of the Operator's cabin in the technical bid document.
- c. Heavy duty air conditioner of adequate capacity shall be fitted for operator cabin.

- d. The cabin shall be equipped with a hydraulic lift system such that the cabin may be raised during operation to suitable height for allowing the operator to have a full & clear view of the job during operation.
- e. Aluminum interior and exterior paneling with suitable thermal insulation in between. Non-slippery flooring of suitable materials as per design.
- f. Suitable lockable door on either side of the cabin (total two doors). Side windows, glass paneling as per design.
- g. Adequate numbers of light inside cabin for proper illumination. Two (02) search lights at top corners of the cabin facing wellhead for night operations. In addition, two (02) small roof mounted fan inside the cabin.
- h. Suitably positioned ergonomically designed swivel type operator's seat finished with leather or vinyl and fixed to the floor of the cabin.
- i. One (01) bench type cushioned seating arrangement with back rest finished with leather or vinyl behind the operator's seat.
- j. Suitable wiper system with fluid spray arrangement for cabin's windshield.
- k. Suitable stairs / ladders for easy access to the cabin.

4.0 **BOP:**

Manual as well as hydraulically operated TWIN RAM BOP, 3 inch bore 5000 psig working pressure having connection:

Top: BOX API- 3.5 inches (88.9 mm) OD Line Pipe Thread (8 TPI)

Bottom: BOX API -3.5 inches (88.9 mm) OD Line Pipe Thread (8 TPI)

- a. Pipe ram with rubber seal for 1 ¾ inch O D sinker bar
- b. Ram with rubber seal for 5/8 inch sand line.
- c. Provision shall be made to operate the BOP through the unit hydraulics controlled from the Operator's cabin.
- d. Additional One (01) no. of Suitable Hydraulic Hand pumps, hoses and quick connections with BOP (Hydraulic BOP) shall be provided.
- e. The supplier has to provide necessary connection/ attachment for mounting the BOP directly to the Christmas Tree of following specification
 - i) Christmas tree Assembly 5000 psi W.P 2.9/16 inch x 2.9/16 inch double arm single string conforming to API specification 6A (latest edition), PSL-1, PR 1 and U-AA.
 - ii) Christmas tree Assembly 10000 psi W.P 2.9/16 inch x 2.9/16 inch double arm single string conforming to API specification 6A (latest edition), PSL-3 & trim UA.

5.0 Oil Saver with Releasing Attachment

Wireline oil saver series H (Guiberson or similar make) fitted with releasing attachment should be supplied along with the BOP suitable for 5/8 inch sand line.

To provide Type 'C' releasing attachment for safe, simple automatic release for (GUIBERSON or similar make) Wireline Oil Savers. It should be released automatically when the rope socket contacts from bellow.

The supplied Type –C (Guiberson or similar make) releasing attachment should be compatible with the supplied Oil Saver.

Releasing attachment connection:

Connection: Bottom-PIN 3.5" OD API Line Pipe Thread 8 TPI to be compatible with BOP TOP Box.

Oil saver shall be operated with the help of hydraulic hand pump with thirty (30) feet hose of suitable pressure rating.

One (01) no. of Suitable Hydraulic Hand pumps, hoses and quick connections with Oil Saver shall be provided along with the unit in addition to the hand pump supplied along with BOP.

6.0 Draw works

Capacity of the draw works is 40 MT with Composite sheave mechanism.

Hydraulically operated multiple speed Sand Line Draw Works assembly of Steel drum with capacity for 12000 feet of 5/8" sand line shall be installed in the unit.

6 x 7 Sand line (of Right Regular lay) of size 5/8 inch of length 12,000 feet shall be supplied and installed in the drum.

Minimum single line pull capacity of the draw works at the top layer should be 10 MT (10,000 kg).

Operating speed range of the drum shall be:-

3 m/min through 300m/min at any depth during any operation while RIH or POOH

The drive of the draw works shall be through mechanically driven system or hydraulic system having PTO, hydraulic pump and motor, etc. having failsafe brake system. In addition there shall be suitable mechanical brake band / caliper type brake / pneumatic servo brake system for the draw works.

Draw Works shall have suitable automatic spooling arrangement with manual override for smooth and uniform spooling of Sand line on drum.

7.0 INSTRUMENTATION & CONTROL SYSTEM

The Instrumentation & control system shall include, however not limited to, the following minimum requirement:

- (a) The instrumentation & control system for the truck mounted swabbing rig shall be latest state of the art technology that provides line speed, gross and net line weight, the depth of tools, etc.

- (b) The system shall have automatic safety shutoffs to prevent the rig from exceeding preset depths and line tension.
- (c) The system shall have facilities to provide real-time reports of depth, well head pressure, and tension, etc.

7.1 **SPOOLING & MEASUREMENT:**

- (a) Counter head assembly shall consist of measuring wheel with integral tension & depth measurement in SI units.
- (b) Tension measurement using electronic strain type load cell and with ***back up of Anchor type mechanical Weight Indicator with load cell*** to indicate hook load of the four part line pulley block shall be fitted in the unit.
- (c) Depth measurement with encoder connected to electronic display in control panel shall be fitted in the unit.
- (d) Back up mechanical depth assembly including right angle drive, speedometer cable and an electronic/ digital display panel in operator's cabin shall be provided.
- (e) Hydraulically operated Heavy duty automatic spooler mechanism with provision for manual override shall be provided in the unit and the control shall be from the operator's cabin.
- (f) The control & instrumentation power requirement shall be 12/24 VDC in case of DC and 230/110 V, 50 Hz for AC, where inverter is required.
- (g) Diagnosis tools including license software (if any) shall be provided.

NOTE: The functioning of the Electronic and Mechanical system for depth measurement and weight indicator shall be independent of each other. Failure of any of the systems should not affect the functioning of the other system.

8.0 **MAST & OUTRIGGER**

Hydraulically operated two (02) nos. section telescopic and foldable mast unit of 40 MT (40,000 Kg) capacity with following features:

- a. Mast should be on the top of the vehicle during road movement. Design of the folding system shall be such that the lift cylinder/s are not under load during mast raised condition. Accordingly, suitable locking / load bearing device shall be provided to keep the mast in raised position as well as to bear the induced load during operation of the unit.
- b. Suitable hydraulic cylinder operated two (02) section telescopic mast of all steel construction. Lattice type mast is not acceptable.
- c. Fifty (50) feet hook height (50 feet from ground level).
- d. Capacity of the mast shall be 40MT (40,000 Kg) at fully extended position when anchored with guy line.

- e. Three (03) sheave crown block system with 4(four) parts or 6(six) parts of line (falls) with multi pulley traveling block (40 MT capacity) for deployment of Sucker Rod Pump running in / pulling out operation.
- f. Crown sheave assembly diameter not less than 20 inch
- g. Guy line length should be adequate for anchoring at angle within 26 to 42 degree.
- h. Adequate number of Guy lines for utmost capacity as per design.
- i. Mast capable of withstanding wind speed of minimum 80 km/hr.
- j. Hydraulically operated suitable outriggers & Jacks as per design to level & to stabilize the unit at rigged up condition.

9.0 AUXILIARY WINCH:

One number of hydraulically operated auxiliary winch with suitable wire rope in sufficient length and capacity. Wire rope shall be able to lift loads up to **1 ton** capacity and required to be provided at suitable position. This auxiliary winch shall be used for lifting of tools & equipment like BOP, Oil-Saver and any other item needed for Swab rig operation.

10.0 PLATFORM & MOUNTING:

- a. Suitable platform covered with non-slippery chequered plate flooring on the rear chassis covering the entire area to the extent possible as per design. The platform shall be fixed to the chassis through "U" or "I" bolts with adequate number of cross members.
- b. All major components namely Draw Works, mast A-frame (if any), lift cylinder(s), outriggers, etc. shall be mounted directly to the chassis; in no case this shall be mounted to the platform or cross members.
- c. Foldable walkway at either side of the platform for easy accessibility & movement.
- d. Hand rail along.
- e. Suitable Pullout Ladder for safe & easy access to the operator's cabin.
- f. Suitable and sufficient storage compartments with proper locking arrangement under the platform for storing various tools & accessories.

11.0 HYDRAULIC SYSTEM:

PTO driven two (02) independent hydraulic systems for operation of the unit as under –

A. For operation of Draw Works:

Chain sprocket system with PTO for mechanical system or, suitable independent hydraulic system to drive the draw works as per design. The drive of the draw works shall be through suitable hydraulic system as per design.

The variable displacement pump control shall be mechanical / hydraulic type.

NOTE: Make of the hydraulic Pumps & Motors shall be of Sauer Danfoss / Denison / Rexorth / Dynapower / Parker/Eaton

Make of the Hydraulic hose and end connector: The make of the Hydraulic hoses shall be of Parker/Gates/Eaton/ Dayco Eastman/ Power Grip / Yuken.

B. For operation of mast, outriggers, etc.

Suitable independent hydraulic system for operation of mast telescopic & folding operations, outriggers, auxiliary winch, spooler arm, BOP operation, etc. shall be provided.

In addition, this hydraulic system shall be used in any other hydraulic operation/ equipment used in the unit as per design requirement.

The system shall be suitable for operation of all above operations/ equipment simultaneously as and when situation demands.

11.1 Other features of the hydraulic system:

- a. Simple Lockable hydraulic tank(s) mounted preferably on top of the platform for easy access, visibility and maintenance.
- b. Temperature gauge, level gauge, etc. as per design.
- c. Suitable tags / colour markings on either of the hydraulic hoses, piping, etc. for easy identification.

Detailed technical specifications of all hydraulic components like pump, motor, valves, cylinders etc. should be furnished.

12.0 OTHER FITTINGS & ACCESSORIES

- A.** Sufficient Side marker lights, Hazard warning lights, rear & side reflectors, Air horn in addition to electric horn, etc. for safe movement of the unit on road.
- B.** While all lights shall be covered to the extent possible with suitable guard to prevent damage; all electrical fittings/ components/ connections shall be suitable to operate in oilfield area.
- C.** Gauges & meters including Engine Tachometer & Hour meter as per standard inside driver's cabin. Speedometer & Odometer with metric KM calibration only. Two (02) Nos. fan inside driver's cabin.
- D.** It shall be bidder's endeavor to provide the Engine Oil Pressure & Temperature meters, Air pressure meter, Transmission oil pressure & Temperature meters (if any) with high low warning buzzers.
- E.** Suitable Reversing Audio Alarm with Blinker lights at rear of the unit.
- F.** Suitable Air Dryer with replaceable type filter element for truck's pneumatics.
- G.** Well covered & non conducting material wrapped Vertical Exhaust located behind and projected above the top of the driver's cabin.

- H. Suitable heavy duty front & rear Towing Hook capable of pulling/towing the unit from bogged down situation in slushy areas in oilfields from front as well as rear.
- I. Electrical equipment like starter, alternator, etc. shall be of Lucas / Delco Remy make.
- J. Engine start only in transmission neutral position.
- K. Suitable electrical Master Switch to disengage all electrical circuits from battery.
- L. Well covered Battery Box, Standard Tool Kit in a portable box for general maintenance of the truck, heavy duty grease gun, wheel wrench & handle, Two (02) Nos. min. 30 MT capacity hydraulic jack with handle, Two (02) Nos. stopper block for rear wheels.
- M. Fire Extinguisher & First Aid Box inside the driver's cabin as well as operator's cabin.
- N. Suitable spark arrestor for engine exhaust for operation in oilfield area.
- O. Safe Operating Procedure for rigging up hydraulic mast shall be displayed in written (English Language) at accessible notice to the operators.
- P. Procedure for guying the mast should be displayed in written (English Language) at accessible notice to the operators.
- Q. Controls for mast hoist, outrigger and auxiliary winch shall be outside operator's cabin at suitable place in the rear portion of the platform. The control unit shall be enclosed in a suitable lockable box. The operator and operation of the control panel shall be free from obstruction of any moving object.

13.0 UNITIZATION AND COMPLETION:

The above unit shall be fully assembled, unitized and completed with best industrial practice. This shall include the following items:

- i) Installation of all electrical systems.
- ii) Installation of all pneumatic systems.
- iii) Installation of all hydraulic systems.
- iv) All operating oils, coolants and other operating fluids will be drained prior to shipment.
- v) All fixtures to ship complete with the unit.
- vi) Steel toolbox

- vii) All tanks (Fuel, Hydraulic oil etc) shall be fitted with suitable filter and locking arrangement
- viii) All labor to complete unit.
- ix) Workmanship should be of good quality and appearance. Following is a partial list of examples:
 - a) Flame cut edges shall be ground smooth. Sharp corners and edges to which operators and mechanics are vulnerable shall be ground smooth.
 - b) Bolt holes shall be drilled (not torch cut)
 - c) Welds shall be of good quality and of sufficient strength.
 - d) Use self-locking nuts.
 - e) All hoses will be well supported with support type clamps.
 - f) All hose assemblies will have swivel ends.
 - g) All hoses will be protected by well secured rubber sleeves to prevent rubbing by frame, etc tagged for easy identification.
 - h) All reservoirs constructed of steel plate with level gauge, cleanouts, vent fill cap, etc.
 - i) Noise level for the complete unit in running condition should not cross 90.0 db.

SELF-PROPELLED OIL FIELD TRUCK MOUNTED SWABBING RIG UNIT

14.0 SPARES

14.1 COMMISSIONING SPARES

The Supplier has to supply all the spare parts required for initial commissioning of the Unit.

14.2 OPERATIONAL CRITICAL SPARES:

Supplier shall supply the following operational critical spares along with the supply of the Unit. **Bidders shall include the price of these spares in the cost of the Swabbing Rig Unit and, therefore, bidders need not quote separately the price of these spares.**

i) AUTOMOBILE SPARE PARTS LIST:

Following spares in specified quantity as indicated shall be supplied along with the unit. Specific description, Part Nos., Make etc. shall be clearly indicated in the bid.

A. ENGINE -

1.	Fuel Filter Element	-	10 Nos.
2.	Water Separator Filter Element	-	10 Nos.
3.	Engine Oil Filter Element	-	10 Nos.
4.	Air Filter Element	-	10 Nos.
5.	Water/Corrosion Filter Element	-	05 Nos.
6.	Fan Belt	-	02 Nos
7.	Alternator Belt	-	02 Nos.
8.	Compressor Belt	-	02 Nos.
9.	In case of single Serpent Belt(belt covering water pump, compressor & alternator)	-	02 Nos.
10.	Water Pump Repair Kit	-	02 Sets
11.	Water Hose	-	02 Nos.
12.	Engine Mounting	-	01 Set

B. TRANSMISSION –

1.	Transmission Filter Element	-	04 Nos
2.	Transmission Mounting	-	02 Sets
3.	Gear Selector (one inside driver's Cabin)	-	01 No.
4.	Harness from cabin shifter to actuator at gear box.	-	01 Set
5.	Gear Shifter unit (one at gear box)	-	01 No.

C. TRANSFER CASE (if any) & POWER TAKE OFF (PTO) –

1.	Oil Filter Element, if any	-	04 Nos
2.	Mounting	-	01 Sets
3.	Oil Seal	-	02 Nos
4.	PTO actuator Seal Kit	-	02 Sets.

D. FRONT AXLE –

1.	Wheel Stud with Nuts	-	30 Nos.(15 nos for each front axle)
2.	Axle Stud with Nuts	-	10 Nos. for powered axle
3.	Wheel Hub Oil Seal	-	02 Sets*
4.	Wheel Hub Bearing	-	01 Set*

(* set comprising of items for one wheel)

E. REAR AXLE –

1.	Wheel Stud with Nuts	-	30 Nos.
2.	Axle Stud with Nuts	-	20 Nos.
3.	Wheel Hub Oil Seal	-	02 Sets*
4.	Wheel Hub Bearing	-	02 Sets*
5.	Differential Oil Seal	-	02 Sets*
6.	Differential Filter Element (if any)	-	02 Nos.

(* set comprising of items for one wheel/differential)

F. DRIVELINE (Propeller Shaft) –

1.	UJ Cross (Spider & Bearing)	-	01 Set*
----	-----------------------------	---	---------

(*set comprising of different UJ crosses complete for both front & rear drivelines)

G. STEERING –

- | | | | |
|----|----------------------------------|---|---------|
| 1. | Steering Oil Filter Element | - | 02 Nos |
| 2. | Steering Pump Repair Kit | - | 01 Set |
| 3. | Steering Box/Cylinder Repair Kit | - | 01 Sets |
| 4. | Tie Rod End (for both sides) | - | 02 Sets |

H. BRAKE & PNEUMATICS –

- | | | | |
|----|---|---|-------------|
| 1. | Foot Brake Valve Repair Kit | - | 02 Sets |
| 2. | Servo diaphragm for Front Wheel | - | 04 Nos. |
| 3. | Servo diaphragm for Rear Wheel Servo | - | 08 Nos. |
| 4. | Air Dryer Filter Element | - | 08 Nos. |
| 5. | Repair Kit for all Pneumatic Valves(Relay valve, Circuit Protection valve, quick release valve etc.) | - | 01 Set each |

I. ELECTRICAL –

- | | | | |
|----|----------------|---|--------|
| 1. | Engine Starter | - | 01 No. |
| 2. | Alternator | - | 01 No. |

J. SPARES FOR SWABBING RIG.

- | | | | |
|----|--|---|-------------|
| 1. | Main hydraulic Pump | - | 01 no. |
| 2. | Draw works Motor | - | 01 no. |
| 3. | Sand line spooling assy. Complete | - | 01 set. |
| 4. | Weight indicator assembly complete | - | 01 set. |
| 5. | Directional control valve (Draw Works) | - | 01 no. |
| 6. | Repair Kit for Derrick Cylinder | - | 02 Set |
| 7. | Repair Kit for Telescopic Cylinder | - | 02 Set |
| 8. | Hydraulic filters
(for all type of filters in the system) | - | 04 nos each |

K. SPARES FOR OTHER EQUIPMENT:

- | | | | |
|----|--|---|---------|
| 1. | Repairing kit for BOP | - | 02 sets |
| 2. | Rams and Inserts for BOP | - | 02 sets |
| 3. | Repairing kit for Oil-Saver | - | 02 sets |
| 4. | Repairing kit for Hydraulic Hand Pumps | - | 02 sets |
| 5. | Repairing kit for traveling block assembly | - | 02 sets |
| 6. | Repairing kit for crown sheave assembly | - | 02 sets |

L. INSTRUMENTATION SPARES:

- | | | | |
|----|--|---|--------|
| 1. | All sensors used for control & instrumentation system | - | 01 set |
| 2. | Display Unit, control unit, relay fuse, etc. used in control panel | - | 01 set |
| 3. | Inverter / converter for control power requirement | - | 01 No. |

NOTE -

- a. *All spares in specified quantity as indicated above shall be supplied along with the unit.*

- b. Specific description, Part Nos., Make etc. of each and every item shall clearly be indicated in the bid.*
- c. In case of any difference in spares for left & right wheel studs, axle studs, etc., the specified quantities will be divided into two (02) equal parts.*
- d. Bidder shall also quote separately for any additional spares with similar details as felt necessary for two (02) years trouble free operation and maintenance but not covered in this list for future reference/ procurement - **not for bid evaluation.***

14.3. *Following items shall be quoted by the bidder separately in the prescribed format, which may be procured against a separate order from the successful bidder. **Price quoted for this list shall not be considered for bid evaluation.***

Srl. No.	Name of the part	Part Number	Cost per unit
1	Engine oil cooler		
2	Air Compressor		
3	Engine position sensor		
4	Engine oil pressure sensor		
5	Coolant Temperature sensor		
7.	Accelerator Pedal position sensor		
8	Engine Harness		
9	ECM of the offered engine		
10	Fuel lift pump		
11	Sensor related to gear shifting (Transmission)		
12	Wheel drum		
13	Centre bearing (Drive line)		
14	Ball ends for drag links		
15	Instruments- all gauges		
16	Repair kit for winch operating spool		
17	Tyre		
18	Rim		
19	Repairing kit for BOP		
20	Rams and Inserts for BOP		
21.	Repairing kit for Oil-Saver		

14.4 RECOMMENDED SPARES:

(i)The bidder is to furnish a list of spares & components that will be required for regular operation and maintenance, overhauling etc. throughout the life of the equipment complete with price of each item. Annual consumption of each spare should be furnished. The bidder should also provide detailed spare list of all the items including bought out items in the operation and maintenance manuals. The list should include a spare parts list along with OEM part numbers, make & model of the equipment and contact postal address of OEM for all items of the whole unit. **The price quoted for recommended spares will not be taken in to account for bid evaluation.**

The bidder has to submit a complete spare parts list for the whole unit sub grouping major component in the following format as shown with example:

Name of the component /sub com.	Description of the item	Part No/ID No Of the item	Frequency of replacement (in day Hrs)	Remark
Draw works	Bearings	XX YY		Donaldson Timken /SKF
Hydraulic System	Pump motor and so on	XY X1Y1	10000 500	Rexroth -do-
Instrumentation items	Reel depth display etc.	Part no.		Make and part no of the subunits are also to be provided.

(ii) The bidders must submit a written undertaking (along with the bid) that they would be able to supply all the requisite spares and consumables (including bought out items) for a minimum period of ten (10) years from the Certified date of completion / successful field commissioning of the unit.

15.0 INSPECTION CUM ACCEPTANCE

- A. Third Party inspection of the unit is to be carried out for all the component of the unit by OIL approved TPI agency (viz M/s Lloyds, M/s Bureau Veritas, M/s IRS, M/s RITES or M/s DNV only). The scope of 3rd party inspection shall be as under:
- Witness the manufacturing and assembly
 - Witness the functional and performance tests
 - Review of inspection procedure
 - Any other requirement of the inspection agency to satisfy of the equipment as per applicable standards.
- B. Pre shipment inspection shall be carried out by OIL (by representative of user as well as service dept viz. Instrumentation, Transport Dept. etc.) at manufacturing site. The supplier shall inform OIL at least two (02) months ahead for such inspection to enable OIL to send its Inspectors (OIL will depute four(4) engineers) . The supplier to indicate inspection charges . OIL will bear the expenses towards traveling and accommodation etc. of the OIL's inspection team.

The Inspection cum Acceptance process would include the following minimum steps/tasks but not limited to –

- Physical verification/inspection of all the items/fittings/accessories including all Parts Catalogue, Maintenance & Service Manuals, Final Chassis Built Up/Vehicle Content Record documents, etc. and **actual loading on axles**. The supplier shall arrange driver/operator, weighing facility and any other infrastructure during the process of inspection as and when required.
- Operational testing of the complete unit including the truck part.
- Operational testing of each and every component of the unit as applicable/ necessary.

- d. Supplier shall have to take note of any minor modification/s for operational requirement suggested by the inspector and comply with the same at no extra cost.
- e. The inspection report would be prepared at the end of the inspection and jointly signed by both the parties.
- f. Supplier shall confirm in writing compliance of all the points raised in the inspection report as well as any other subsequent additions/changes, following deliberation with the inspector after arrival at Duliajan.
- g. Supplier will affect dispatch of the unit only on receipt of OIL's dispatch advice.

16.0 TRAINING TO OIL PERSONNEL ON HYDRAULIC SWABBING RIG OPERATION.

16.1 The supplier shall have to provide training to OIL personnel in two (02) phases –

- A. During the pre-dispatch inspection visit of OIL's engineers the supplier shall arrange comprehensive training at their manufacturing plant/works for a period of minimum one (01) week on Operation & Maintenance, Troubleshooting and Working Principle of following system/items used in the unit amongst other relevant subjects –
 - i) Engine and its Electronic Controller System.
 - ii) Transmission, Transfer Case and their control systems.
 - iii) Brake & ABS - including their electronic control system.
 - iv) Power assisted steering system including hydraulic pump and gearbox.
 - v) Pneumatic system for brake, transmission, PTO shifters including different valves.
 - vi) Maintenance of draw works and hydraulically operated mast.
 - vii) Hydraulic system and its schematics.
 - viii) Control Panel
 - ix) Swabbing rig operation & trouble shooting.
- B. During installation and commissioning of the unit at Duliajan (India), the commissioning engineer shall have to provide field training to OIL Engineers and technicians on Maintenance, troubleshooting, Working Principle and repair/ replacement of different equipment.

16.2 Bidders should quote their training charges, if any, separately for bid evaluation purposes.

17.0 COMMISSIONING:

17.1 The Supplier shall depute their competent commissioning personnel for initial start up and commissioning of the complete unit including the truck part to OIL's satisfaction at OIL's operating site at Duliajan (India). The Supplier's commissioning engineer shall be available

at Duliajan, Assam within fifteen (15) days of the intimation given by OIL for commissioning the unit.

- 17.2** Bidder must quote for commissioning charges which should include the to and fro charges, food & lodging and daily charges of the personnel. OIL will provide accommodation (on payment basis) subject to availability. However, OIL will provide local transportation to the commissioning personnel.
- 17.3** Bidders should quote Commissioning charges, if any, separately for bid evaluation purposes. The charges should be shown in Commercial bid only.
- 17.4** The unit shall be deemed to be commissioned at Duliajan, Assam after three (03) successful field operations **at suitable locations / wells within a period of one (01) month** after arrival of the Supplier's Commissioning Engineer.

18.0 GUARANTEE / WARRANTY:

Notwithstanding any Guarantee/Warranty clause(s) mentioned elsewhere in this tender document, the complete unit shall be under guarantee/warranty by the supplier for a minimum period of one (01) year from the date of successful field commissioning of the unit at site.

OIL reserves the right to inspect, test and if necessary reject any part/parts after delivery at site (including incomplete manuals, catalogues, etc.) in case of any fault on the part of the supplier. It shall in no way be waived by the reason that the unit/item was previously inspected and passed by OIL as per Inspection Clause detailed elsewhere in this tender document.

To keep the unit fully operational, in case of failure of any item during the warranty period, it shall be the supplier's responsibility to arrange replacement/repairing at site at their cost including customs, freight, etc. within a period of maximum three (03) weeks from the date of notification of such failure and warranty for such items shall be extended accordingly.

19.0 TECHNICAL MANUAL AND CERTIFICATION FOR OPERATION AND MAINTENANCE OF THE UNIT:

The following Manuals & Catalogues **in printed form** (in English UK) shall be supplied along with the unit in addition to the supply of the same in CD or DVD. **Supply of the manuals/ catalogues only in Compact Disk is not acceptable. Manuals/ Part Catalogues provided shall be Custom Illustrated Manuals/Catalogues for the particular vehicle and equipment only, not a general Composite Manual/Catalogue.**

- A.** Four (04) sets of printed Spare Parts Catalogue and Workshop & Service Manual for all components/systems of truck chassis like engine, transmission, axles, brakes, suspension, electrical & pneumatic systems, etc. with complete schematics of electrical & pneumatic circuits.
- B.** Two (02) sets of Operator's manual for vehicle.
- C.** The bidder has to supply four (04) sets of operating, maintenance and spare parts manual for operation and maintenance of the Swabbing Unit showing all sub assemblies, instrument sensors, wiring diagram hydraulic schematics with colour code and entire requisite spare parts with Part No (Preferable OEM part).

- D. Two (02) sets of Operation and maintenance manual for control & instrumentation system.
- E. Four (04) copies of all relevant test and quality control certificates of the manufacturing and testing of all unit functions and parameters shall be supplied.
- F. Four (04) sets of all relevant test and calibration certificate for each instrument shall be supplied along with the unit.
- G. All test certificates, test reports, third party inspection report and other certificates shall be provided separately as a set in a compiled manner.

COMMISSIONING OF THE UNIT SHALL NOT BE CONSIDERED AS COMPLETE UNTIL & UNLESS ALL ABOVE PRINTED MANUALS / CATALOGUES ARE RECEIVED.

20.0 DEVIATIONS FROM THE SPECIFICATIONS:

The bidder shall enclose comprehensive list of intended deviations from the technical specifications, of any **clearly highlighting the reasons thereof**, along with the bid. Deviations from the Technical specifications are intended, the same shall be confirmed in the offer. However, OIL reserves the right for acceptance or rejection of the deviation(s).

21.0 CONFORMITY TO THE TENDER SPECIFICATIONS:

- 21.1 Bidder must fill the Technical datasheet enclosed with the offer.
- 21.2 The total axle capacity shall be at par with the GVW with all equipment.
- 21.3 Detailed specifications of Mechanical, Electrical, Pneumatic and Hydraulic systems including relevant instrumentation details should be provided.
- 21.4 The bids and the accompanied technical documentation must be in English language only. The bids with other than English language must have an English version.
- 21.5 Bidder must undertake that the provision for supplying spares (including bought out items) of the equipment will be continued for next ten (10) years from the certified date of completion / successful field commissioning of the unit.
- 21.6 The bidders are to confirm categorically the commissioning clause as mentioned in 17.0 of Technical Specification.

22.0 BID SUBMISSION & DOCUMENTATIONS:

- A. Bidder's response to all NIT stipulations should clearly be defined maintaining the same sequence as in the NIT. **Bidder shall furnish specific details/specifications of all major components, systems with Make & Model etc.** Submission of technical leaflet/catalogue alone is not sufficient.

General Response like- '**As per NIT Specifications/ Technical Leaflet**', '**Noted**', '**Accepted**' or in any similar fashion is not encouraged. Quoting only the NIT stipulation without any confirmation of acceptance of the same and/or without any confirmation of offering the same is also not acceptable.

B. Following documents shall be submitted along with bid for evaluation:

- a. Technical leaflets with detailed specifications, Make & Model of chassis, engine, transmission, power take off, transfer case (if any), axle, suspension, steering, brake, etc.
- b. Detail dimensional layout drawing/s illustrating Driver's Cabin & position of all major components & their mounting on the vehicle.
- c. Details on mast raise & lowering mechanism, mast raised position locking devices, load bearing details in mast raised and operating conditions, etc. for OIL's acceptance.
- d. List of tools that shall be supplied under Standard Tool Kit for general maintenance of the unit.
- e. Specific description, Part Nos., Make, etc. & Unit Price of each and every spares (for bid evaluation) as detailed in the **Operational critical Spares**. List provided in Para 14.2 above.
- f. List of Recommended Spares in Para 14.3 and 14.4 above.
- g. Checklist as per enclosed format shall be furnished along with the bid.
- h. Detail instrument layout drawing and control panel drawing.
- i. List of instruments with technical literature / part catalogue.

C. Following documents are to be submitted along with supply/unit :

- a. Sale Letter, Pollution & Roadworthy Certificate (in similar format of Form 21 & 22A of Indian Motor Vehicle Act - sample copies enclosed), Engine Emission Norms Certificate, etc. as required under Indian Motor Vehicle Act for registration of the unit in the name of **Oil India Limited**.
- b. Final Chassis Built Up/Vehicle Content Record documents from chassis manufacturer.
- c. Specification Sheet of unit indication all details viz Make & Model of chassis, engine, transmission, etc, GVWR, Axle Capacity, Axle Loading, Wheelbase, etc., number of Axles, wheels & tyres, etc., overall dimensions, turning radius, etc.
- d. *Certificate of Origin* for the chassis in original from chassis manufacturer. Amongst others, the certificate shall contain following information –
 - i. Make & Model of Chassis.
 - ii. Vehicle Identification Number (VIN i.e. Chassis No.)
 - iii. Month & Year of Manufacture of the chassis.
 - iv. Make & Model of Engine.
 - v. Serial No. of Engine.
 - vi. Month & Year of Manufacture of the engine.

- e. As built wiring diagram of control panel.
- f. **Notwithstanding any clause mentioned elsewhere in the NIT, the invoice for the complete unit shall be submitted in two (02) parts separately as under –**
 - i. **Invoice for truck chassis** - it shall include the cost of the truck chassis with driver's cabin only.
 - ii. **Invoice for Swabbing rig unit** - it shall include cost of all equipment of swabbing rig unit, tools, accessories, etc. subsequently fitted in the original truck chassis as well as supplied separately along of the unit.
- g. Operation and maintenance manual of Instrumentation and control system

23.0 **STANDARDS:**

The complete pumping unit shall be built under the quality standards of

- a. BS III / EURO III or Equivalent Emission Norms for vehicle
- b. ASME standards

The operations of this unit shall be covered under the

- i) Government of India, Ministry of Labour.
- ii) Directorate General of Mines Safety, Dhanbad, India.

24.0 **PAYMENT TERM:**

Payment shall be released as follows :

- i) 80 % value shall be released on supply against proof of despatch/shipment of the goods.
- ii) Remaining 20 % along with installation & commissioning charges shall be paid after successful commissioning and acceptance by OIL at site.

OIL may consider making 100 % payment towards supply against proof of dispatch/shipment provided bidders agree to pay interest @ 1% above prevailing Bank Rate (CC rate) of State Bank of India for 20 % of the value of goods and also submit Bank Guarantee for the equivalent amount plus interest valid till successful commissioning of at site. This is in addition to the 10 % of the order value towards Performance Security as per the tender requirement.

- 25.0 The item covered under this tender will be used by OIL in the PEL/ML areas issued/renewed after 01/04/99, applicable Customs Duty for import of goods shall be ZERO. Indigenous bidders shall be eligible for Deemed Export and should quote Deemed Export prices. Excise Duty under Deemed Export exempted.

NOTE : No price should be indicated in the technical bid.

TECHNICAL CHECK LIST:**Part A TECHNICAL****A 1.1 (TRUCK CHASIS)**

Sl. No.	PARAMETERS / REQUIREMENTS		BIDDER'S OFFER (To indicate details or yes/no, as applicable)	REMARKS, IF ANY
1	Make & Model of Chassis			
2	Max. Permissible Gross Vehicle Weight (GVWR)			
3	Drive (Right hand system)			
4	Wheelbase			
5	Overall Dimensions (Width, Height & Length) of complete unit			
6	Ground Clearance			
7	Laden Weight (Total weight of the unit)			
8	Engine	a Make & Model		
		b Max. Output Power		
		c Max. Output Torque		
		d Naturally Aspirated or Turbo Charged		
		e Emission Norms		
		f Control System (Electronic?)		
9	Transmission (Main)	a Make & Model		
		b No. of gears		
		c High/Low provision		
10	Make, Model & Type of Transmission Shifter			
11	Make & Model of Transfer Case, if any			
12	Total number of PTOs in operation			
13	Make & Model of PTOs			
14	Make, Model & Type of Steering System			
15	Minimum Turning Radius			
16	Make, Model & Type of Front Suspension			
17	Make, Model & Type of Rear Suspension			
18	Axle Capacity	a Front		
		b Rear		
19	Axle Loading (actual loading)	a Front		
		b Rear		
20	Type, Size of Wheel & Tyre	a Front		
		b Rear		
21	Type of Service Brake (S/Z-cam or not)			
22	Type of Wheel Brake Servos(screw type manual release or not)	a Front		
		b Rear		
23	Fuel Tank capacity			
24	Number of fuel tank			
25	Seating Capacity inside Driver's cabin.			
26	Reversing Alarm with Blinker Lights			

27	Electrical fittings/equipment suitable for oilfield area.		
28	Speedometer/Odometer in Metric (KM) calibration.		
29	Provision of Air Dryer in truck's pneumatic system.		
30	Towing Hooks at Front & Rear of truck.		
31	Make of Starter, Alternator, etc. of engine.		

A 1.2 HYDRAULIC PUMPS

Sl. No.	PARAMETERS / REQUIREMENTS	BIDDER'S OFFER (To indicate details or yes/no, as applicable)	REMARKS, IF ANY
1	Make , Model main hydraulic pump		
2	Make, model of other pumps		
3	Maximum capacity draw works drive pump		
4	Type of hydraulic circuit for each pump		
5	Main hydraulic pump control (Electrical/hydraulic/mechanical)		
6	Other pumps control: (Electrical/hydraulic/mechanical)		
7	Circuit drawing attached for all pumps (Yes/No)		
8	Identification mark for hoses		
9	Make of hydraulic hoses		

A 1.3 HYDRAULIC MOTORS

Sl no.	Parameters/requirements	Bidder's offer (To indicate details as applicable)	Remarks if any
1	Make & model of Main draw works motor		
2	Make & model of motor for auxiliary winch operation and other applications.		

A 1.4 OPERATOR'S CABIN

Sl No.	Parameters / requirements	Bidder's offer(To indicate details or yes/no as applicable	Remarks If any
1	Aluminum cabin frame with wall roof and flooring		
2	Captain's chair for operators cabin		
3	One rear bench in the operators cabin		
4	Front shield in the cabin for operators viewing to the top of the mast while		

	erected		
5	Front shield wiper with bottom fluid spray provided		
6	Emergency kill switch for engine		

A 1.5 DRAW WORKS ,AUXILIARY WINCH AND MAST

Sl. No.	PARAMETERS / REQUIREMENTS			BIDDER'S OFFER (To indicate details or yes/no, as applicable)	REMARKS, IF ANY
1	Make & Model and capacity of draw works assembly				
2	Weight without sand line loaded.				
3	Drive (double motor or single motor)				
4	Maximum pull capacity(High/low gear)				
5	Overall Dimensions (Width, Height & Length) of complete draw works				
6	Auxiliary winch & motor Make ,model and capacity				
8	Draw works	a.	Speed(High/Low)		
		b.	Flow/HP requirement		
		c.	Max. Output Torque at rated flow		
		d.	Type of braking		
		e.	Lubrication system		
		f.	Control System		
		g.	Maximum single line pull of the draw works at the top layer		
9	Hydraulic motor -Draw works	a.	Make & Model		
		b.	Type and controls		
		c.	Type of braking and fail safe system		
10	.Mast	a	Height from ground in ft.		
		b	Number of guying		
		c	Max load capacity while properly guyed		
		d	Sheave assembly for traveling block and auxiliary winch		
		e	Single mast /telescopic mast		
11	Make , Model and type of load cell				
12	Fail safe mechanism, of draw works				

A 1.6 BOP

			Bidder's offer	Remarks
1	BOP	a. Hydraulic		
		b. Manual		

2	Operating pressure	a.	Working Pressure		
		b.	Test Pressure		
3	Ram type				
4	Make, Model & Type of BOP				
5	Top: BOX API- 3.5 inches (88.9mm) OD Line Pipe Thread (8 TPI)				
6	Bottom : BOX API- 3.5 inches (88.9mm) OD Line Pipe Thread (8 TPI)				
7	Remote control provision, BOP				
8	Equalizer valve and rams, BOP				
9	Control of BOP (hydraulic/manual)				

A 1.7 SPARES

SI No	Parameters	Bidder's offer	Remarks
	Commitment of supply of spares as per the list in the Annexure -I		

A 1.8 OTHER FITTINGS AND ACCESSORIES

SI No.	Items in details description	Bidder's offer (to indicate details or yes/no as applicable)	Remarks if any
1	Sufficient Side marker lights, Hazard warning lights, rear & side reflectors, Air horn in addition to electric horn, etc. for safe movement of the unit on road.		
2	Suitable Reversing Audio Alarm with Blinker lights at rear of the unit.		
3	Well covered & non conducting material wrapped Vertical Exhaust located behind and projected above the top of the driver's cabin attached with flip-flop exhaust cover.		
4	Well covered Battery Box, Standard Tool Kit in a portable box for general maintenance of the truck, heavy duty grease gun, wheel wrench & handle, Two (02) Nos. min. 30 MT capacity hydraulic jack with handle, Two (02) Nos. stopper block for rear wheels.		
6	Fire Extinguisher & First Aid Box inside the driver's cabin.		
7	Suitable spark arrestor for engine exhaust for operation in oilfield area.		

Part B DOCUMENTATIONS

B1.1 TRUCK

Sl. No.	DESCRIPTIONS	DOCUMENT ENCLOSED (Yes or No)	REMARKS , IF ANY
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1	Technical leaflets with detailed specifications, Make & Model of chassis, engine, transmission, transfer case (if any), PTOs, suspension, axle, steering, wheel & rim, brake, etc.		
2	Detailed dimensional layout drawing illustrating Driver's Cabin and all major items/ components.		
3	List of tools that shall be supplied under Standard Tool Kit for general maintenance of the truck.		
4	Specific description, Part Nos., Make, etc. and Unit Price of each and every spares as detailed in para 14.2 in the Automobile Spare Parts List.		
5	Specific description, Part Nos., Make, etc. and Unit Price of each and every spares as detailed in para 14.3 in the Automobile Spare Parts List		
6	List of recommended spares as detailed in Para 14.4		
7	List of additional spares as felt necessary for two (02) years maintenance but not covered in the Automobile Spare Parts List provided in the NIT with Description, Part Nos., Make, etc. including Unit Rate (for future reference/procurement only; not for bid evaluation).		

B1.2 HYDRAULIC PUMP/MECHANICAL GEAR BOX & PTO

Sl. No.	DESCRIPTIONS	DOCUMENT ENCLOSED (Yes or No)	REMARKS , IF ANY
1	Technical literature with detailed specifications of hydraulic pumps, control valves and accumulator		
2	Detailed hydraulic circuit drawing illustrating pumps, control valves and actuators.		
3	Technical literature with detailed specifications of PTO, mechanical gear box (if any)		
4	List of additional spares as felt necessary for two (02) years maintenance (for future reference/procurement only; not for bid evaluation).		

B1.3 OIL SAVER & BOP

Sl. No.	DESCRIPTIONS	DOCUMENT ENCLOSED (Yes or No)	REMARKS , IF ANY
1	Technical literature with detailed specifications of Oil saver and BOP		
2	Technical literature with detailed specifications BOP		
3	List of tools that shall be supplied under Standard Tool Kit for general maintenance BOP & Oil saver		
4	Specific description, Part Nos., Make, etc. and Unit Price of each and every spares for Oil saver and BOP		
5	List of additional spares as felt necessary for two (02) years maintenance (for future reference/procurement only; not for bid		

	evaluation).		
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Signature _____
 Name _____
 Designation _____

- This is a sample copy **similar to FORM 21 of Indian Motor Vehicle Act** only. The certificate to be issued by supplier shall contain following minimum information. -

SALE CERTIFICATE

Certified that (brand name of the vehicle) has been delivered by us to on (date).

Name of the buyer

Address

The details of the vehicles are as under -:

1. Class of vehicle
2. Maker's name & address
3. Chassis No.
4. Engine No.
5. Horse power or cubic capacity
6. Fuel used
7. Number of cylinders
8. Month and year of manufacturing
9. Seating capacity (including driver)
10. Unladen weight
11. Maximum axle weight, number and description of tyres –
 - (a) Front axle
 - (b) Rear axle/axes
 - (c) Any other axle
12. Colour (s) of the body
13. Gross vehicle weight
14. Type of body

Date:

Signature of the manufacturer / dealer

- This is a sample copy **similar to FORM 22(A) of Indian Motor Vehicle Act** only. The certificate to be issued by supplier shall contain following minimum information. -

**CERTIFICATE OF COMPLIANCE WITH POLLUTION STANDARDS /
SAFETY STANDARDS OF COMPONENTS AND ROAD WORTHINESS**

Certified that (brand name of the vehicle) bearing
Chassis number and Engine number complies with
the (name of Emission Standard – Euro II, etc.) Emission standard as
well as other Safety & Road Worthiness Standards as per provisions of the
..... (name of Motor Vehicles Act of country of
origin).

It is also certified that body of the above vehicle has been fabricated by us and the same
complies with the provisions of the (name of
Motor Vehicles Act of country of origin).

Signatures of Manufacturer / Body Builder

BID REJECTION CRITERIA (BRC) / BID EVALUATION CRITERIA (BEC) :

(I) BID REJECTION CRITERIA (BRC)

The bids must conform to the specifications and terms and conditions given in the tender. Bids shall be rejected in case the item(s) offered do not conform to the required minimum/maximum parameters stipulated in the technical specifications and to the respective international / national standards wherever stipulated. Notwithstanding the general conformity of the bids to the stipulated specifications and terms and conditions, the following requirements shall have to be particularly met by the bidders, without which the offer will be considered as non-responsive and rejected :

(A) TECHNICAL:

1.0 Bidder's Qualification :

- 1.1 The bidder shall be an Original Equipment Manufacturer (OEM) having experience in manufacturing of Swabbing Rig Unit.

OR

The bidder shall be an Authorized Dealer of OEM of Swabbing Rig Unit.

2.0 Bidder's Experience :

- 2.1 In case the Bidder is an Original Equipment Manufacturer (OEM) of Swabbing Rig Unit, the following criteria shall be met by the Bidder:

The OEM shall have the experience of successful completion (including commissioning of the equipment) of at least one (01) order in the last five (05) years preceding from the bid closing date of this tender against supply, installation & commissioning of Swabbing Rig Unit. The OEM shall submit copies of Purchase order together with any or combination of the following documents related to the Purchase order viz. invoice, bill of lading, commissioning report from the clients and/or any documentary evidence which confirms that the bidder's past supply has been successfully executed.

- 2.2 In case the Bidder is an Authorized Dealer of the Original Equipment Manufacturer (OEM) of Swabbing Rig Unit, the following criteria shall be met by the Bidder:

- 2.2.1 The Bidder shall be in the business of supply, installation and commissioning of Swabbing Rig for the last five (05) years preceding from the bid closing date of this tender. Additionally, the bidder shall have the experience of supply, installation & commissioning of atleast one (01) Swabbing Rig during the last five (05) years preceding from the bid closing date of this tender. The bidder shall submit copies of Purchase order together with any or combination of the following documents related to the Purchase order viz. invoice, bill of lading, commissioning report from the clients and/or any documentary evidence which confirms that the bidder's past supply has been successfully executed.

- 2.2.2** The bidder shall submit proof of valid authorization / dealership certificate issued by the OEM (the principal) with backup warranty / guarantee along with the technical bid.
- 2.2.3** The Principal (i.e. OEM) must have experience of manufacturing Swabbing Rig in the last five (05) years preceding from the bid closing date of this tender. The OEM's documentary evidence in this regard shall be provided in the form of copies of Purchase order together with any or combination of the following documents related to the Purchase order viz. invoice, bill of lading, commissioning report from the clients and/or any documentary evidence which confirms that the bidder's past supply has been successfully executed.

(B) COMMERCIAL :

- 1.0 Bids are invited under Single Stage Two Bid System. Bidders shall quote accordingly under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid.** The "Unpriced Bid" shall contain all techno-commercial details except the prices which shall be kept blank. The "Priced Bid" must contain the price schedule and the bidder's commercial terms and conditions. Bidder not complying with above submission procedure will be rejected.
- 2.0 Bid security of **US \$ 39,000.00 or Rs. 17,54,000.00** shall be furnished as a part of the TECHNICAL BID. Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration. For exemption for submission of Bid Security, please refer Clause No. 9.8(Section A) of General Terms and Conditions for Global Tender. The Bid Security shall be valid till 10/03/2016 (dd/mm/yy). Bids with lesser validity of Bid Bond shall be rejected.
- 3.0 The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- 4.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of 6 (six) months from the date of commissioning against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts notified by OIL shall be replaced immediately by the supplier at the supplier's expenses.
- 5.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for 6 (six) months from the date of successful commissioning of the equipment . Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 6.0 Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.
- 7.0 Bidders shall quote directly and not through Agents in India. Offers made by Indian Agents on behalf of their foreign principals will be rejected. Similarly offers from unsolicited bidders will be rejected.

- 8.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.
- 9.0 Validity of the bid shall be minimum 180 days from the bid closing date. Bids with lesser validity will be rejected.
- 10.0 Bids containing incorrect statement will be rejected.
- 11.0 Offers received without Integrity Pact duly signed by the authorised signatory of the bidder will be rejected.
- 12.0 (i) **Commercial Bid Format (Summary) for Foreign Bidders :**

- (A) Cost of Swabbing Rig Unit
- (B) Third Party inspection charges, if any
- (C) Packing & FOB Charges
- (D) Total FOB Port of Shipment value, (A+B+C) above
- (E) Ocean Freight Charges up to Kolkata, India
- (F) Insurance Charges
- (G) Total CIF Kolkata value, (D+E+F)
- (H) Pre-dispatch/shipment Inspection charges, if any
- (I) Installation / Commissioning charges
- (J) Training Charges
- (K) Total Value, (G+H+I+J) above
- (L) Total value in words:
- (M) Gross Weight :
- (N) Gross Volume :

(ii) **Commercial Bid Format (SUMMARY) for Indigenous Bidders :**

- (A) Cost of Swabbing Rig Unit
- (B) Third Party inspection charges, if any
- (C) Packing and Forwarding Charges
- (D) Total Ex-works value, (A+B+C) above
- (E) Excise Duty with Cess, (Please indicate applicable rate of Duty)
- (F) Sales Tax, (Please indicate applicable rate of Tax)
- (G) Total FOR Despatching station price, (D+E+F) above
- (H) Road Transportation charges to Duliajan
- (I) Insurance Charges
- (J) Total FOR Duliajan value, (G+H+I) above
- (K) Pre-dispatch/shipment Inspection charges, if any
- (L) Installation / Commissioning charges
- (M) Training Charges
- (N) Total Value, (J+K+L+M) above
- (O) Total value in words:
- (P) Gross Weight:
- (Q) Gross Volume:

NOTE :

- 1.0 The item covered under this tender shall be used by OIL in the PEL/ML areas issued/renewed after 01/04/99 and hence, applicable Customs Duty for import of goods shall be ZERO. Indigenous bidders should quote Deemed Export prices. Excise Duty under Deemed Export exempted.
- 2.0 Installation/Commissioning charges must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/lodging, local transport at Duliajan and other expenses of supplier's commissioning personnel during their stay at Duliajan, Assam (India). All Income, Service, Corporate Taxes etc. towards the services provided under installation / commissioning shall be borne by the supplier and will be deducted at source at the time of releasing the payment. Bidder should also confirm about providing all these services in the Technical Bid.
- 3.0 Pre-despatch/Shipment Inspection charges, if any, must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. The to and fro fares, boarding/lodging and other enroute expenses of OIL's Engineers shall be borne by OIL.

Bidders must categorically indicate the Installation / Commissioning, Training and Pre-despatch/Shipment Inspection charges in their offers and must confirm about providing the same in their Technical bids.

(II) BID EVALUATION CRITERIA (BEC) :

The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria given below :

A. TECHNICAL :

- 1.0 All materials as indicated in the material description of the tender should be offered. If any of the items are not offered by the bidders, the offer will not be considered for evaluation.

B. COMMERCIAL :

- 1.0 The evaluation of bids will be done as per the Price Schedule (SUMMARY) detailed vide Para 12.0 of BRC.
- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision

exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.

- 4.0 Offers not complying with the payment terms indicated in the NIT shall be loaded with one percent above the prevailing Bank rate (CC rate) of State Bank of India for evaluation purpose.
- 5.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.

5.1 When only foreign bids are involved :

Comparison of bids will be done on the basis of "TOTAL VALUE" which is estimated as under:

- (A) Cost of Swabbing Rig Unit
- (B) Third Party inspection charges, if any
- (C) Packing & FOB Charges
- (D) Total FOB Port of Shipment value, (A+B+C) above
- (E) Ocean Freight Charges up to Kolkata, India
- (F) Insurance Charges @1% on total FOB value ()
- (G) Banking Charges @ 0.5% of Total FOB Value vide (H) above in case of payment through Letter of Credit (If confirmed L/C required, 1.5% of Total FOB Value will be loaded)
- (H) Total CIF Kolkata value, (D+E+F+G)
- (I) Pre-despatch/shipment Inspection charges, if any
- (J) Installation / Commissioning charges
- (K) Training Charges
- (L) Total Value, (H+I+J+K) above
- (M) Total value in words :

NOTE : Banking charge in the country of the foreign bidder shall be borne by the bidder.

5.2 When only domestic bids are involved :

Comparison of bids will be done on the basis of "Total Value" which is estimated as under :

- (A) Cost of Swabbing Rig Unit
- (B) Third Party inspection charges, if any
- (C) Packing and Forwarding Charges
- (D) Total Ex-works value, (A+B+C) above
- (E) Excise duty as applicable

- (F) Sales Tax as applicable
- (G) Total FOR Despatching station Value, (D+E+F) above
- (H) Transportation charges
- (I) Insurance charges @0.5% of Total FOR Despt. Station Value (G) above
- (J) Assam entry tax
- (K) Total FOR Duliajan value, (G+H+I+J) above

- (L) Pre-despatch/shipment Inspection charges, if any
- (M) Installation / Commissioning charges
- (N) Training Charges
- (O) Total Value, (K+L+M+N) above
- (P) Total value in words :

NOTE: Excise Duty in case of the indigenous bidder is EXEMPTED.

5.3 When both Foreign and Domestic bids are involved :

The Total Value of domestic bidder (inclusive of customs duty on imported raw material and components etc, and applicable terminal excise duty on the finished products and Sales Tax) excluding inland transportation to destination and Insurance charges worked out as per Para 5.2 above and Total Value of the foreign bidder worked out as per Para 5.1 above excluding inland transportation to destination will be compared.

- 6.0 Other terms and conditions of the Tender shall be as per General Terms and Conditions for Global Tender. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) mentioned here contradict the Clauses in the General Terms and Conditions for Global Tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

COMMERCIAL CHECK LIST

TENDER NO. SDG 5711 P15/08

THE CHECK LIST MUST BE COMPLETED AND RETURNED WITH YOUR OFFER. PLEASE ENSURE THAT ALL THESE POINTS ARE COVERED IN YOUR OFFER. THESE WILL ENSURE THAT YOUR OFFER IS PROPERLY EVALUATED. PLEASE MARK 'YES' OR 'NO' OR SPECIFY AGAINST THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.

1	Whether bid submitted under Two Bid System ?	
2	Whether ORIGINAL Bid Bond(not copy of Bid Bond) submitted? If YES, provide details	
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
	(d) Whether Bid Bond is valid till	
	(e) Whether Bid Bond is submitted as per Revised format ?	
3	Whether offered firm prices ?	
4	Whether quoted offer validity of 180 days from the date of closing of tenders ?	
5	Whether quoted a firm delivery period and indicated in technical bid?	
6	Whether quoted as per tender (without any deviations) ?	
7	Whether quoted any deviation ?	
8	Whether deviation separately highlighted ?	
9	Whether agreed to the Warranty clause ?	
10	Whether Price Bid submitted as per Price Schedule (refer Para 12.0 of BRC)	
11	Whether quoted all the items of tender ?	
12	Whether indicated the country of origin for the items quoted?	
13	Whether technical literature / catalogue enclosed?	

14	Whether confirmed acceptance of tender Payment Terms .	
15	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	
16	For Foreign Bidders – Whether port of shipment indicated. To specify:	
17	For Indian bidders – Whether indicated the place from where the goods will be dispatched. To specify :	
18	For Indian bidders – Whether road transportation charges up to Duliajan quoted ?	
19	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges ?	
20	Whether Indian Agent applicable ?	
21	If YES, whether following details of Indian Agent provided ?	
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
22	Whether weight & volume of items offered indicated ?	
23	Whether confirmed to submit PBG as asked for in tender ?	
24	Whether agreed to submit PBG within 30 days of placement of order ?	
25	For Indian Bidders only - Whether indicated import content in the offer ?	
26	For Indian Bidders only - Whether deemed export quoted?	
27	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted ?	
28	Whether all BRC/BEC clauses accepted and supporting documents submitted as applicable ?	
29	Whether Integrity pact as per enclosed format with digital signature uploaded and whether all clauses of the pact has been accepted exactly as per format ?	
30	Whether Installation and commissioning , pre dispatch inspection and training have been confirmed and charges quoted ?	
31	Whether quoted as manufacturer ?	

32	Whether quoted as authorized dealer. To Specify :	
33	If quoted as an authorized dealer ,	
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized dealer for the product offered ?	

OFFER REF	
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NAME OF THE BIDDER	
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