



**Oil India Limited**  
(A Govt. Of India Enterprise)

P.O. DULIAJAN 786 602  
DIST. DIBRUGARH  
ASSAM , INDIA  
FAX : 91 374 2800533  
EMAIL : [material@oilindia.in](mailto:material@oilindia.in)  
WEBSITE : [www.oil-india.com](http://www.oil-india.com)

TENDER NO. : SDG5614P10/07  
TENDER FEE : Rs. 4,500.00 OR US\$ 100.00  
PERFORMANCE SECURITY : APPLICABLE

**OIL INDIA LIMITED** invites Global Tenders for the item detailed below:

Srl. No.	Material Description	Unit	Qty
1	SWABBING RIG (DETAILED SPECIFICATION HAS BEEN FURNISHED VIDE ANNEXURE – A)	NO	1

**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) and its amendments.

2.0 Bid Rejection Criteria / Bid Evaluation Criteria is furnished vide Annexure-B of tender document.

3.0 Commercial Check list is furnished vide Annexure – C. Please ensure that the check list is properly filled up and uploaded along with Technical bid.

4.0 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.

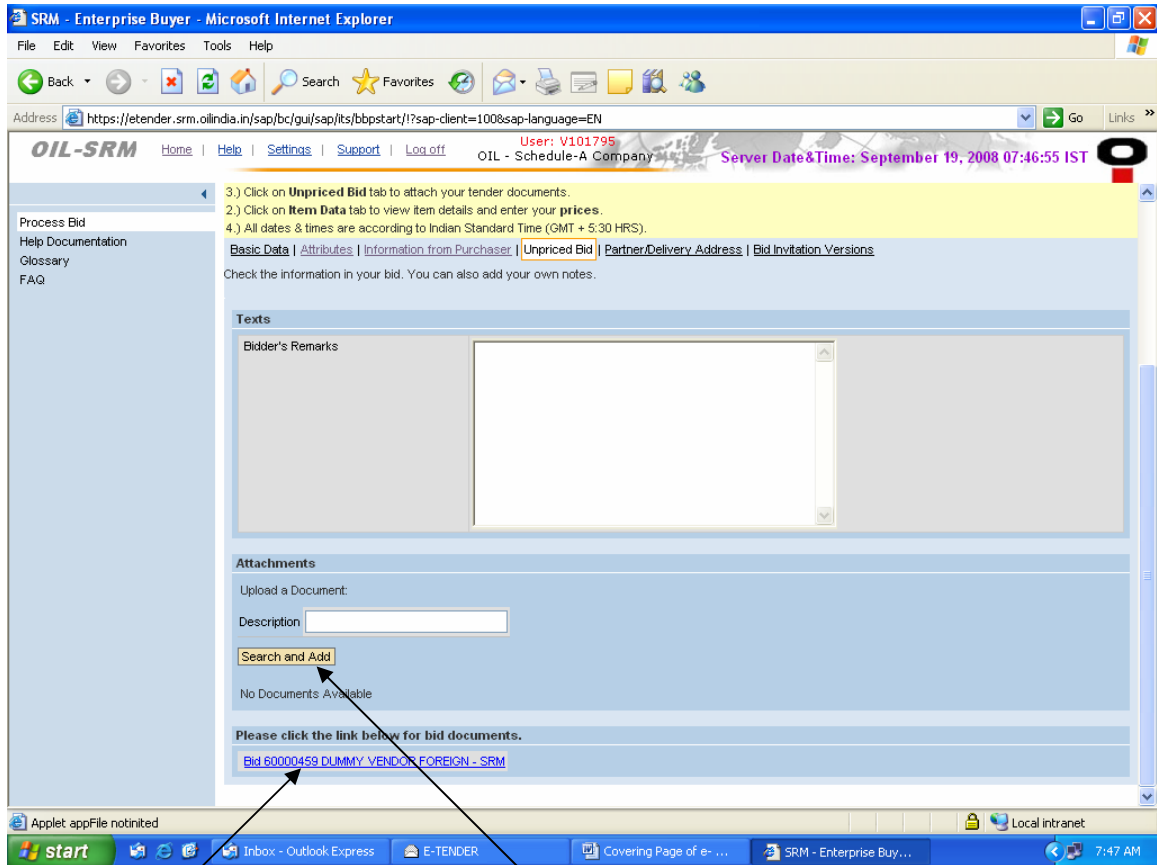
5.0 Please note that all tender forms and supporting documents are to be submitted through OIL’s e-Procurement site only except following documents which are to be submitted manually in sealed envelope super scribed with tender no. and due date to **The Head Materials, Materials Department, Oil India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

a) **Original Bid Security.**

b) **Details Catalogue.**

Contd....2

7.0 The tender is invited under SINGLE STAGE-TWO BID SYSTEM. The bidders are required to submit both the “TECHNICAL” and “COMMERCIAL” bids through electronic form in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. Please ensure that Technical Bid / all technical related documents related to the tender are to be uploaded in the c-Folder link (collaboration link) under Un-priced Bid Tab Page only. **Please note that no price details should be uploaded as c-Folder link (collaboration link) under Un-priced Bid Tab Page. Details of prices as per Bid format / Commercial bid can be uploaded as Attachment in the attachment link Search and Add under “Un-priced Bid” under “General Data”. A screen shot in this regard is given below. Offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in Annexure-II (Refer Clause 1.0 of (B) Commercial)**



**C-FOLDER LINK**

**Details of prices as per Bid format / Commercial bid can be uploaded in this Attachment**

8.0 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.

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**ANNEXURE-A**  
**TO TENDER NO. SDG5614P10/07**

**DETAILED SPECIFICATIONS FOR SWABBING RIG**

Supply and commission 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, operator control console, weight indicator and other necessary rigging up tools inclusive of necessary spares.

**1.0 APPLICATION:**

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

- a. Swabbing operation
- b. 2 7/8"OD tubing pulling out
- c. Fishing operation to recover wire line fish in the hole
- d. Run in and pull out of sucker rods and other down hole operation to be carried out up to the depth of 2000m.

Fluid to be handled:

Crude Oil, Plain Water, Acid, Saline Water, high density slurries of sand / bauxite, resin, etc.

**Tubing size** : 2 7/8" or 3 1/2"  
**Liner size** : 4" or 7",  
**Casing size** : 5 1/2" or 7 1/2" Casing

**2.0 EQUIPMENT DETAIL:**

**2.1 TRUCK CHASSIS:**

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

**2.2 DIMENSION (COMPLETE UNIT):**

Overall Width - Within 2.5 meter  
 Overall Height - Within 4.0 meter  
 Overall Length - Preferably within 10.00 meter  
 Ground Clearance - Min. 30.0 cm. It shall be bidder's endeavour to mount subsequently fitted undercarriage components (i.e. other than originally mounted components) at maximum possible height.

### 2.3 **ENGINE:**

Water-cooled diesel engine of adequate power (within the range 250 - 300 HP at around 2100 rpm) suitable for road drive as well as swabbing operation and other operations as defined in this tender document. The engine shall conform to minimum EURO-III or equivalent emission norms. Make of the engine shall be either Caterpillar or Cummins or International only. In case of engine with Electronic Controller System, Engine Fault Diagnostic & Repair Tool (both Software and complete Hardware) shall be supplied along with the unit. Bidder shall categorically confirm in the bid that the offered software is for the particular engine model of the truck.

### 2.4 **TRANSMISSION:**

Fully automatic Allison Transmission suitable for both road drive as well as draw works /sand line drum operations.

Suitable Transfer Case & PTO/s for hydraulic system as per design and requirement. The operating system for the PTO/s shall be through pneumatic actuator/s.

### 2.5 **DRIVE & STEERING**

- Drive** - 6X6
- Steering** - Right hand drive Hydraulic Power Assisted Steering (Steering wheel on the right hand side of the truck).

**Turning Radius** - Minimum Turning Radius approx 16 meters (Curb to Curb)

### 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) with auxiliary leaf springs or rubber cushion support suspension with shock absorbers or Pneumatic Suspension with shock absorbers.
- C. Laden Weight** - Within 30000 KG.
  - Front Axle Capacity** - As per design
  - Rear Axle Capacity** - As per design
- D.** Rear Axles shall have Inter Axle Lock facility.
- E.** Actual loading on each individual axle (front as well as rear) shall be within 85% (eighty-five percent) of the maximum load bearing capacity

**i.e. Laden Weight of the unit shall be within 85% (eighty-five percent) of Maximum Permissible Gross Vehicle Weight (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 & operator's cabins + weight of the draw works, mast assembly, outriggers, etc. + weight of all other equipment

permanently mounted on the unit + weight of other tools & accessories, guy lines, anchoring device, etc. + other items like 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 (2 Nos. at Front Axle, 8 Nos. at Rear Axles) of adequate size and ply rating with two sets of complete spare wheel (even in case of same front & rear wheels).

**Super Single tyre is not acceptable.**

It shall be bidder's endeavour to offer front and rear wheels of same size & type. If not possible for design constraint, two spare wheels - one for each type shall be supplied. Suitable lifting & mounting arrangement facility for spare wheels shall be provided.

## **2.8 BRAKE**

- A. Service Brake** - Multiple Circuit Pneumatic S-Cam brake acting on all wheels.
- B. Parking/ Emergency Brake** - Parking Brake operating 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.** All air tanks shall have Drain Plugs.
- E.** All wheel brake drums shall have Dust Cover.
- F.** Buzzer warning for low air pressure.
- G. In case of brake with ABS, ABS Fault Diagnostic & Repair Tool (both Software as well as complete Hardware) shall be supplied along with the unit.**

## **2.9 FUEL TANK**

Two fuel tanks each of minimum 200 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 build (original built & supplied with chassis by chassis manufacture) ergonomically designed floating steel / aluminium driver's cabin complete with all standards fittings. Sitting capacity inside the cabin should preferably be 3(three) 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. It shall be suitably designed with large rectangular windshield glass for proper viewing of mast, draw works, entire working platform, etc. during operation of the unit.
- 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.
- c. Height approximately 2.00 meters. It shall be suitable for personnel of average height of 6.0 feet with adequate head clearance.
- d. Roof mounted heavy duty air conditioner of adequate capacity.
- e. Aluminium interior and exterior panelling 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 panelling as per design.
- g. Adequate numbers of light inside cabin for proper illumination. Two searchlights at rear top corners of the cabin for night operations. In addition, two 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 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.
- l. The cabin shall be directly mounted on top of the truck's chassis.

### 4.0 **BOP:**

Manual as well as hydraulically operated twin ram BOP, 2 1/2" bore 3000psig working pressure having connection **API 3" Line pipe thread pin up and pin bottom**.

- a. Pipe ram with rubber seal for 1 3/4 "sinker bar
- b. Ram with rubber seal for 5/8" sand line.
- c. 1 (one) no. of Suitable Hydraulic Hand pumps, hoses and quick connections with BOP (Hydraulic BOP) shall be provided.
- d. Additional provision shall be made to operate the BOP through the unit hydraulics controlled from the Operator's cabin.

### 5.0 **Oil saver and releasing attachment**

Oil saver **series H Wireline oil saver series H (Guiberson or similar make) with 2 7/8"(73mm) EUE** and releasing attachment should be supplied along with the BOP suitable for 5/8 " sand line. Releasing attachment bottom connection:

**PIN 3" API Line Pipe Thread 10 TPI.**

Oil saver shall be operated with the help of hydraulic hand pump with 30 ft suitable hose.

1 (one) 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**

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" of length 12,000 feet shall be supplied and installed in the drum.

**Maximum 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:-

1. 4 m/min through 380m/min at the top of the flange
2. 3 m/min through 280 m/min at the mid point of the drum
3. 2 m/min through 160 m/min at the core of the drum

The drive of the draw works shall be through hydraulically operated two speed Torque Hub having failsafe brake system. In addition there shall be suitable caliper type brake system for the draw works.

Draw Works shall have spooler arm facility.

## **7.0 Spooling & Measurement**

- Counter head assembly shall be consist of imperial measuring wheel with integral tension & depth measurement.
- Tension measurement using electronic strain type load cell and with back up of a mechanical Weight Indicator shall be fitted in the unit
- Depth measurement with encoder connected to electronic display in control panel shall be fitted in the unit.
- Back up mechanical depth assembly including right angle drive, speedometer cable and veeder root meter display in operator's cabin shall be provided.
- Hydraulically operated Heavy duty spooler mechanism shall provisioned in the unit and the control shall be from the operator's cabin.

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 shall no way affect the functioning of the other system.

## **8.0 Mast & Outrigger**

Hydraulically operated telescopic mast unit of 40 MT (40,000 Kg) capacity with following features –

- a. Suitable hydraulic cylinder operated folding mast. Mast 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 2(two) section telescopic mast of all steel construction. Lattice type mast is not acceptable.
- c. 50 feet hook height (50 feet from ground level).
- d. 40MT (40,000 Kg) capacity mast at fully extended position.
- e. 3(three) sheave hook system with 4(four) parts of line (falls) for deployment of SRP & Tubing running in / pulling out operation.
- f. Crown Pulley diameter 20 "
- g. Guy line anchoring angle within 26° to 42°.
- h. Number of Guy lines for utmost capacity as per design.
- i. Mast capable of withstanding wind speed of min 80 km/hr.
- j. Four numbers of outriggers as per design to level & stabilize the unit at rigged up condition.

#### 9.0 **Auxiliary Winch:**

***One number of hydraulically operated auxiliary winch with 3/8"wire rope in sufficient length shall 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 the top edge of the deck
- e. Suitable Pullout Ladder for safe & easy access to the operator's cabin.
- f. Suitable and sufficient storage compartments under the platform for storing various tools & accessories.

#### 11.0 **Hydraulic system :**

PTO driven 2(two) independent hydraulic systems for operation of the unit as under –

##### A. **For operation of Draw Works:**

Suitable independent Closed Loop hydraulic system to drive the draw works as per design. The drive of the draw works shall be through suitable Torque Hub with two speed (High – Low) facility. The Torque Hub shall have hydraulically operated failsafe brake system.

The variable displacement pump control shall preferably be mechanical type.

NOTE: Make of the hydraulic Pumps & Motors shall be of Sauar Danfoss / Denison / Roxorth / Dynapower



**B. For operation of mast, outriggers, etc.**

Suitable independent Open Loop 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. 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 and SAE/DIN standards of hoses in use should be mentioned.***

**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 Nos. fans inside driver's cabin.
- D. It shall be bidder's endeavour 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. of Lucas or Delco Remy make.

- J. Engine start 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, 2(two) Nos. min. 30 MT capacity hydraulic jack with handle, 2 (two) Nos. stopper block for rear wheels.
- M. Fire Extinguisher & First Aid Box inside 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 at accessible notice to the operators.
- P. Procedure for guying the mast should be displayed in written 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 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 labour 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.

- x) Noise level for the complete unit in running condition should not cross 90.0 db.

#### 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.

##### 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. & unit price of each & every spares shall clearly be indicated in the bid for bid evaluation.

##### A. **ENGINE -**

1.	Fuel Filter Element	-	10 Nos.
2.	Water Separator Filter Element	-	10 Nos.
3.	Engine Oil Filter Element	-	10 Sets
4.	Air Filter Element	-	10 Sets
5.	Water/Corrosion Filter Element	-	05 Nos.
6.	Fan Belt	-	04 Sets
7.	Alternator Belt	-	04 Sets
8.	Compressor Belt	-	04 Sets
9.	Water Pump Repair Kit	-	02 Sets
10.	Water Hose	-	04 Sets
11.	Engine Mounting	-	01 Set

##### B. **TRANSMISSION -**

1.	Transmission Filter Element	-	04 Sets
2.	Transmission Mounting	-	02 Sets
3.	Gear Shifter (one inside driver's Cabin)	-	01 No.
4.	Gear Shifter Repair Kit	-	02 Sets
5.	Gear Shifter Hoses	-	02 Nos.

##### C. **TRANSFER CASE (if any) & POWER TAKE OFF (PTO) -**

1.	Oil Filter Element, if any	-	04 Sets
2.	Mounting	-	02 Sets

- |    |                       |   |         |
|----|-----------------------|---|---------|
| 3. | Oil Seal              | - | 02 Sets |
| 4. | PTO actuator Seal Kit | - | 05 Nos. |

**D. FRONT AXLE -**

- |    |                                  |   |                                     |
|----|----------------------------------|---|-------------------------------------|
| 1. | Wheel Stud with Nuts             | - | 30 Nos.(15 nos for each front axle) |
| 2. | Axle Stud with Nuts powered axle | - | 10 Nos. for                         |
| 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 Sets  |

(\* 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 Sets |
| 2. | Steering Pump Repair Kit         | - | 01 Set  |
| 3. | Steering Box/Cylinder Repair Kit | - | 03 Sets |
| 4. | Tie Rod End (for both sides)     | - | 02 Sets |

**H. BRAKE & PNEUMATICS -**

- |    |                                      |   |             |
|----|--------------------------------------|---|-------------|
| 1. | Foot Brake Valve Repair Kit          | - | 03 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  | - | 01 Set each |

(\* set comprising of items for one servo)

**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        | - | 01 set  |
| 7. | Repair Kit for Telescopic Cylinder     | - | 01Set   |

**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 |

**NOTE -**

- a. *All spares in specified quantity as indicated above shall be supplied along with the unit.*
- b. *Specific description, Part Nos., Make etc. and Unit Price 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 2(two) equal parts.*
- d. *Bidder shall also quote separately for any additional spares with similar details as felt necessary for 2 (two) years trouble free operation and maintenance but not covered in this list for future reference/ procurement- not for bid evaluation.*

**14.3 RECOMMENDED SPARES:**

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 EVALUTION.

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.

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 10 (ten) 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 Tuboscope Vetco, M/s IRS or M/s DNV only). The scope of 3<sup>rd</sup> party inspection shall be as under -
- a. Witness the manufacturing and assembly
  - b. Witness the functional and performance tests
  - c. Review of inspection procedure
  - d. 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 [engineers from Production (Oil) and Transport departments] at manufacture's works. The supplier shall inform OIL at least 1 (one) month ahead for such inspection to enable OIL to send its inspectors. The supplier has to arrange the inspection for 4 (four) OIL engineers [two from Production (Oil) and two from Transport department]. OIL shall bear the expenses towards travelling, accommodation, etc. for its inspection team. The Inspection cum Acceptance process shall include the following minimum steps/tasks but not limited to -
- a. Physical verification/inspection of all 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.
  - b. Operational testing of the complete unit including the truck part.
  - c. 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 despatch of the unit only on receipt of OIL's despatch advice.

#### **16.0 TRAINING TO OIL PERSONNEL ON HYDRAULIC SWABBING RIG OPERATION.**

The supplier shall have to provide training to OIL personnel in two phases -

- A. During the pre-despatch inspection by OIL's engineers, the supplier shall arrange comprehensive training to the team members at their manufacturing plant / works for a period of minimum 1(one) week on Operation & Maintenance, Troubleshooting and Working Principle of followings system / items used in the unit amongst other relevant subjects –
  - a. Engine and its Electronic Controller System.
  - b. Transmission, Transfer Case and their control systems.
  - c. Brake & ABS (if any) - including their electronic control system.
  - d. Power assisted steering system including hydraulic pump and gearbox.
  - e. Pneumatic system for brake, transmission, PTO shifters including different valves.
  - f. Maintenance of draw works and hydraulically operated mast.
  - g. Hydraulic system and its schematics.
  - h. Control Panel.
  - i. Swabbing rig operation & troubleshooting.
- B. During installation and commissioning of the unit at site at Duliajan (India), the commissioning engineer shall provide field training to OIL's engineers and technicians on Maintenance, Troubleshooting, Working Principle and repair/ replacement of different components.

**Bidders should quote their training charges, if any, separately for bid evaluation purposes. The charges should be shown in Commercial bid only.**

#### **17.0 COMMISSIONING:**

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). Services including all boarding and lodging, to & fro transportation from supplier's works to OIL's operating site and local transportation at Duliajan during the period of commissioning of the unit shall be arranged by the supplier at their own cost.

**Bidders should quote Commissioning charges, if any, separately for bid evaluation purposes. The charges should be shown in Commercial bid only.**

The unit is deemed to be commissioned after 3 (three) successful field operations at Duliajan (India). Supplier's competent commissioning personnel shall be present at site at Duliajan during this entire commissioning filed operation.

**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 1(one) year from the date of successful filed 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 3(three) 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 CD/DVD format is not acceptable. Manuals/ Part Catalogues provided shall be Custom Illustrated Manuals/ Catalogues for the particular unit and equipment only, not a general Composite Manual/Catalogue.**

- A. 4(Four) 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. 2 (two) sets of Operator's manual for vehicle.
- C. 4(Four) sets of Engine Fault Diagnostic & Repair Tool manuals in case of engine with Electronic Controller System
- D. 4(Four) sets of ABS Fault Diagnostic & Repair Tool manuals in case of brake with ABS.
- E. The bidder has to supply 4 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)



- F. 4 (Four) copies of all relevant test and quality control certificates of the manufacturing and testing of all unit functions and parameters shall be supplied.
- G. 4 (Four) sets of all relevant test and calibration certificate for each instrument shall be supplied along with the unit.
- H. The necessary licensed software in original packages along with user software backups are also to be supplied

**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, if any, clearly highlighting the reasons thereof along with the bid. In case of any deviation from the Technical specifications is intended, the same shall be confirmed in the offer. However, OIL reserves the right for acceptance or rejection of such deviation(s).

**21.0 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, operator'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 items that shall be supplied under the Engine Fault Diagnostic & Repair Tool (both Software as well as complete Hardware).
- e. List of items that shall be supplied under brake ABS Diagnostic & Repair Tool (both Software as well as complete Hardware).
- f. List of tools that shall be supplied under Standard Tool Kit for general maintenance of the unit.
- g. 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.
- h. List of Recommended Spares in para 14.3 above.
- i. Checklist as per enclosed format shall be furnished along with the bid.

**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. **Notwithstanding any clause mentioned elsewhere in the NIT, the invoice for the complete unit shall be submitted in 2(two) 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.

**22.0 STANDARDS:**

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

- a. EURO III 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.

**General Notes:**

1) Payment: Payment shall be released as follows:

- i) 80 % of the supply made by the supplier shall be paid against proof of despatch/shipment of the goods.

- ii) Remaining 20 % of the supply value along with commissioning charges shall be paid after successful commissioning and acceptance of the unit by OIL.
- iii) Training charges will be paid only after successful completion of training.

OIL may also consider making 100 % payment towards supply of the units against proof of despatch provided bidders agree to pay interest for 20 % of the order value and also submit Bank Guarantee for the amount equivalent to 20 % of the order value. This is in addition to the 10 % of the order value towards Performance Security as per the NIT requirement.

Any offer not complying with the above shall be loaded with one percent above the prevailing Bank Rate (CC rate) of State Bank of India for evaluation purpose.

2) To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.

3) Oil India Purchase Order No. must be engraved on the body of the item. Bidder must confirm the same categorically in their quotation.

4) The items covered by this enquiry shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Customs Duty during import will be applicable. Indigenous bidder shall be eligible for Deemed Export Benefit against this purchase. Details of Deemed Export are furnished vide Addendum to MM/GLOBAL/E-01/2005 enclosed.

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

<b>Sl. No.</b>	<b>PARAMETERS / REQUIREMENTS</b>	<b>BIDDER'S OFFER (To indicate details or yes/no, as applicable)</b>	<b>REMARKS, IF ANY</b>
1	Make & Model of Chassis		
2	Max. Permissible Gross Vehicle Weight (GVWR)		
3	Drive		
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	Axle Loading within 85% of capacity.		
21	Type, Size of Wheel & Tyre	a Front	
		b Rear	
22	Type of Service Brake (S-cam or not)		
23	Type of Wheel Brake Servos(screw type manual release or not)	a Front	
		b Rear	
24	Fuel Tank capacity		

25	Number of fuel tank		
26	Seating Capacity inside Driver's cabin.		
27	Reversing Alarm with Blinker Lights		
28	Electrical fittings/equipment suitable for hazardous oilfield area.		
29	Speedometer/Odometer in Metric (KM) calibration.		
30	Provision of Air Dryer in truck's pneumatic system.		
31	Towing Hooks at Front & Rear of truck.		
32	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 and specification main hydraulic pump			
2	Nos of hydraulic pump for other functions except draw works.			
3	Make, model of other pumps			
4	Maximum capacity draw works drive pump			
5	Pump gear box type and ratio			
6	Type of hydraulic circuit for each pump			
7	Minimum Prime mover RPM to run pumps efficiently			
8	Main hydraulic pump	a.	Speed(High/Low)	
		b.	Flow/HP requirement	
		c.	Circuit(Closed/Open)	
		d.	Size of suction/delivery port Control System	
		e.	(Electrical/hydraulic)	
		f.	Control System (HDC/EDC)	
9	Other pumps	P	Variable/fixed/gear(If variable control system(EDC/HDC)	
10	Circuit drawing attached for all pumps (Yes/No)			
11	Make , Model and type of control valves			
12	Valve control pilot(Electrical/Hydraulic)			
13	Pump pressure sensing device(Hyd/elect)			
15	Filtration system(Inlet/return)			
16	Type of filters and indicating system			
17	Capacity of cooler			
18	Hydraulic temp sensing device	a.	Hydraulic	
		b.	Electrical	
19	Reservoir for hydraulic oil for all	a.	Common	
		b.	Individual	

	pumps				
20	Level gauge/temperature gauge for reservoir				
21	Temperature measuring device	a.	Mechanical		
		b.	Electrical		
22	Hand pump back up for critical function OILSAVER/BOP etc				
23	Reservoir hydraulic oil filling pump with filter	a.	Metric		
		b.	British		
24	Identification mark for hoses				
25	Make of hydraulic hoses				
26	Space for Maintenance of pumps and other hydraulic components				
27	Accessibility for inspection of gear box oil, leakage etc				

### **A 1.3 HYDRAULIC MOTORS**

SI no.	Parameters/requirements	Bidder's offer ( To indicate details or yes/no as applicable)	Remarks if any
1	Main draw works motor model, capacity & make		
2	Other motors model, capacity & make for auxiliary winch operation and other applications.		

### **A 1.4 OPERATOR'S CABIN**

SI No.	Parameters / requirements	Bidder's offer( To indicate details or yes/no as applicable)	Remarks If any
1	Aluminium cabin frame with wall roof and flooring		
2	Captain's chair for operators cabin		
3	One rear bench ion 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	<b>Make &amp; Model and capacity</b> 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	
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 travelling 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**

1	BOP	manual	hydraulic		
2	Hydraulic operating pressure	a.	Working Pressure		
		b.	Test Pressure		
3	Ram type				
4	Make, Model & Type of BOP				
5	Top connection BOP <i>3" API LP Thread 8 TPI</i>				
6	Bottom connection BOP <i>3" API LP Thread 8 TPI</i>				
7	Remote control provision, BOP				

8	Equalizer valve and rams, BOP		
9	Control of BOP (hydraulic/manual)		

### A 1.7 SPARES

SI No	Parameters	Bidders offer	Remarks
	<b>Commitment of supply of spares as per the list in the Para 14.2 &amp; 14.3</b>		

### 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.		
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, 2(two) Nos. min. <b>30 MT capacity hydraulic jack with handle, 2 (two) Nos. stopper block for rear wheels.</b>		



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
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 items that shall be supplied under Engine Fault Diagnostic & Repair Tool (both Software as well as complete Hardware).		
4	List of items that shall be supplied under ABS Fault Diagnostic & Repair Tool (both Software as well as complete Hardware).		
5	List of tools that shall be supplied under Standard Tool Kit for general maintenance of the truck.		
7	Specific description, Part Nos., Make, etc. and Unit Price of each and every spares as detailed in the Automobile Spare Parts List.		
8	List of additional spares as felt necessary for 2 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**

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		
4	Technical literature with detailed specifications of		

	pressure, flow and temperature measuring system		
5	List of tools that shall be supplied under Standard Tool Kit for general maintenance Tubing reel assy.		
6	Specific description, Part Nos., Make, etc. and Unit Price of each and every spares for hydraulic transmission.		
7	List of additional spares as felt necessary for 2 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 2 years maintenance (for future reference/procurement only; not for bid evaluation).		

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/axles .....
  - (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. -

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**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

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**Bid Rejection Criteria (BRC) & Bid Evaluation Criteria (BEC)**

**(I) BID REJECTION CRITERIA (BRC)**

The bid must conform to the specifications and terms and conditions given in the enquiry. Bid will be rejected in case the items offered do not conform to all the required technical 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.

Bid evaluation will be done only for those bids that pass through the Bid rejection criteria (BRC) as stipulated in this document.

**A. Technical**

**1.0 Bidder's Qualification**

- 1.1 The bidder may be an Original Equipment Manufacturer (OEM) having experience in manufacturing of Swabbing Rig  
OR
- 1.2 The bidder may be an authorized dealer of OEM.

**2.0 Bidder's Experience**

- a. The OEM should have the experience of successful completion (including commissioning of the equipment) of at least one order in the last 5 (five) years preceding from the bid closing date of this tender against supply, installation & commissioning of Swabbing Rig. The OEM's (Original Equipment Manufacturer) documentary evidence in this regard must be provided in the form of copy of Purchase Order, Commissioning Report / Completion Certificate from the Clients along with the bid.
- b. In case of authorized dealer, the Bidder must be in the business of supply, installation and commissioning of Swabbing Rig for the last 5 years preceding from the bid closing date of this tender. As a proof of evidence, the Bidders must furnish a list of installations carried out by them during last 5 years preceding from the bid closing date of this tender including customer contact details. The bidder shall submit the valid authorization certificate in original from the OEM along with the bid, failing which offer will be rejected. The OEM must have experience of manufacturing of Swabbing Rig in the last 5 years preceding from the bid closing date of this tender. The OEM's (Original Equipment Manufacturer) documentary evidence in this regard must be provided in the form of copy of Purchase Order, Commissioning Report / Completion Certificate from the Clients along with the bid.

### **3.0 CONFORMITY TO THE NIT SPECIFICATIONS:**

- 3.1 Bidder must fill the Technical datasheet enclosed with the offer.
- 3.2 The total axle capacity shall be at par with the GVW with all equipment.
- 3.3 The offered engine shall conform to minimum EURO-III or equivalent Emission Norms and of make Caterpillar/ International / Cummins only as per clause no 2.3.
- 3.4 Detailed specifications of all the systems including Mechanical, Electrical, Pneumatic and Hydraulic should be provided.
- 3.5 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.
- 3.6 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.
- 3.7 Bidders offering other than the specified make of the equipment will be rejected.
- 3.8 The bidders must confirm that the offered Swabbing Rig shall perform at the desired rate and parameters as mentioned in clause no.1.0 of Technical Specification.
- 3.9 The bidders are to confirm categorically the commissioning clause as mentioned in 17.0.

### **B. Commercial**

- 1.0 Bids are invited under Single Stage Two Bid System. Bidders shall quote accordingly under Single Stage Two Bid System. Bidder not complying with submission procedure mentioned in General Terms & Conditions of Global Tender will be rejected.
- 2.0 Bid security of US \$ 12,000 or Rs. 5,00,000 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 for 240 days from the date of bid opening.
- 3.0 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 eighteen months from the date of shipment/dispatch or twelve months from the date of successful commissioning whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.
- 4.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for one year from the date of successful commissioning of the equipment or 18 months from the date of shipment/dispatch whichever is earlier. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 5.0 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.
- 6.0 Validity of the bid shall be minimum 180 days. Bids with lesser validity will be rejected.
- 7.0 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.
- 8.0 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.

9.0 Bids containing incorrect statement will be rejected.

10.0 Bidders are required to submit the summary of the prices in their commercial bids as per bid format (Summary), given below :

(i) **Commercial Bid Format ( Summary ) for Foreign Bidders :**

- (A) Cost of Swabbing Rig Unit
- (B) Cost of spares (Refer Clause 14.2 of Annexure-A)
- (C) Cost of Commissioning spares, if any
- (D) Grand Total Material Cost, ( A + B + C )
- (E) Third Party inspection charges, if any
- (F) Pre-despatch/shipment Inspection charges, if any
- (G) Packing & FOB Charges
- (H) Total FOB Port of Shipment value, ( D + E + F + G ) above
- (I) Ocean Freight Charges up to Kolkata, India
- (J) Insurance Charges
- (K) Total CIF Kolkata value, ( H + I + J )
- (L) Installation / Commissioning charges
- (M) Training Charges
- (N) Total Value, ( K + L + M ) above
- (O) Total value in words :
- (P) Gross Weight :
- (Q) Gross Volume :

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

- (A) Cost of Swabbing Rig Unit
- (B) Cost of spares (Refer Clause 14.2 of Annexure-A)
- (C) Cost of Commissioning spares
- (D) Grand Total Material Cost, ( A + B + C )
- (E) Third Party inspection charges, if any
- (F) Pre-despatch/shipment Inspection charges, if any
- (G) Packing and Forwarding Charges
- (H) Total Ex-works value, ( D + E + F + G ) above
- (I) Excise Duty with Cess, (Please indicate applicable rate of Duty)
- (J) Sales Tax, (Please indicate applicable rate of Tax)
- (K) Total FOR Despatching station price, ( H + I + J ) above
- (L) Road Transportation charges to Duliajan
- (M) Insurance Charges
- (N) Total FOR Duliajan value, ( K + L + M ) above
- (O) Installation / Commissioning charges
- (P) Training Charges
- (Q) Total Value, ( N + O + P ) above
- (R) Total value in words :
- (S) Gross Weight :
- (T) Gross Volume :

**NOTES :**

1. The Commissioning Spares should be quoted separately indicating the unit price and quantity quoted.

2. The Swabbing Rig Unit covered under this enquiry 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.
3. Installation/Commissioning charges and Training 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/training 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.
4. 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 :

- 1.0 The evaluation of bids will be done as per the Price Schedule (SUMMARY) detailed vide Para 10.0 of BRC (Commercial).
- 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 enquiry 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) Cost of spares (Refer Clause 14.2 of Annexure-A)
- (C) Cost of Commissioning spares
- (D) Grand Total Material Cost, ( A + B +C )
- (E) Third Party inspection charges, if any
- (F) Pre-despatch/shipment Inspection charges, if any
- (G) Packing & FOB Charges
- (H) Total FOB Port of Shipment value, ( D + E + F + G ) above
- (I) Ocean Freight Charges up to Kolkata, India
- (J) Insurance Charges
- (K) 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 )
- (L) Total CIF Kolkata value, ( H + I + J + K )
- (M) Installation / Commissioning charges
- (N) Training Charges
- (O) Total Value, ( L + M + N ) above
- (P) 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) Cost of spares (Refer Clause 14.2 of Annexure-A)
- (C) Cost of Commissioning spares
- (D) Grand Total Material Cost, ( A + B + C )
- (E) Third Party inspection charges, if any
- (F) Pre-despatch/shipment Inspection charges, if any
- (G) Packing and Forwarding Charges
- (H) Total Ex-works value, ( D + E + F + G ) above
- (I) Excise Duty with Cess
- (J) Sales Tax
- (K) Total FOR Despatching station price, ( H + I + J ) above
- (L) Road Transportation charges to Duliajan
- (M) Insurance Charges
- (N) Assam Entry tax, if any
- (O) Total FOR Duliajan value, ( K + L + M + N ) above
- (P) Installation / Commissioning charges
- (Q) Training Charges
- (R) Total Value, ( O + P + Q ) above
- (S) 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. No price preference will be allowed to indigenous bidders except that for capital goods, the domestic manufacturers would be accorded a price preference to offset CST to the extent of 4 % or actuals, which ever is less subject to 30 % local content norms as stipulated for World Bank Funded project to the satisfaction of OIL. When more than one domestic bidders fall within price preference range, inter-se-ranking will be done on Total Value basis.

6.0 Other terms and conditions of the enquiry 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 & Conditions of Global Tender of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

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**ANNEXURE-C**  
**TO TENDER NO. SDG5614P10/07**

**COMMERCIAL CHECK LIST**

**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 SELECT 'YES' OR 'NO' TO THE FOLLOWING QUESTIONS, IN THE RIGHT HAND COLUMN.**

1	Whether quoted as manufacturer ?	YES / NO
2	Whether quoted as Supply House / Distributor. To Specify :	YES / NO
3	If quoted as Supply House / Distributor,	
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Supply House for the product offered ?	YES / NO
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted	YES / NO
4	Whether bid submitted under Two Bid System ?	YES / NO
5	Whether ORIGINAL Bid Bond(not copy of Bid Bond) submitted? If YES, provide details	YES / NO
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
6	Whether offered firm prices ?	YES / NO
7	Whether quoted offer validity of six months from the date of closing of tenders ?	YES / NO
8	Whether quoted a firm delivery period?	YES / NO
9	Whether quoted as per NIT (without any deviations) ?	YES / NO

10	Whether quoted any deviation ?	YES / NO
11	Whether deviation separately highlighted ?	YES / NO
12	Whether agreed to the NIT Warranty clause ?	YES / NO
13	Whether Price Bid submitted as per Price Schedule (refer Para 10.0 of BRC vide Annexure – B)	YES / NO
14	Whether the Spares quoted as per Clause 14.0 of Annexure-A?	YES / NO
15	Whether quoted all the items of tender ?	YES / NO
16	Whether indicated the country of origin for the items quoted?	YES / NO
17	Whether technical literature / catalogue enclosed?	YES / NO
18	Whether confirmed that all spares & consumables will be supplied for a minimum period of 10 years from successful commissioning?	YES / NO
19	Whether confirmed to carry out installation & Commissioning at Duliajan (Assam)?	YES / NO
20	Whether installation & Commissioning charges applicable?	YES / NO
21	If installation & Commissioning charges applicable, whether separately quoted on lump sum basis?	YES / NO
22	Whether to & fro air fares, boarding/lodging of the commissioning personnel for installation & commissioning at Duliajan, Assam (India) included in the quoted charges ?	YES / NO
23	Whether confirmed that all Service, Income, Corporate tax etc. applicable under installation & Commissioning are included in the prices quoted?	YES / NO
24	Whether confirmed that Training will be provided in the event of placement of order?	YES / NO
25	Whether the cost of Training has been furnished in the offer?	YES / NO

26	Whether to & fro air fares, boarding/lodging of the Training personnel for providing Training at Duliajan, Assam (India) included in the quoted charges ?	YES / NO
27	Whether confirmed that all Service, Income, Corporate tax etc. towards Services provided under Training are included in the prices quoted ?	YES / NO
28	Whether confirmed acceptance of tender Payment Terms of 80% against shipment/dispatch documents and balance 20% after successful installation & commissioning ?	YES / NO
29	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	YES / NO
30	For Foreign Bidders – Whether port of shipment indicated. To specify:	YES / NO
31	For Indian bidders – Whether indicated the place from where the goods will be dispatched. To specify :	YES / NO
32	For Indian bidders – Whether road transportation charges up to Duliajan quoted ?	YES / NO
33	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges ?	YES / NO
34	Whether Indian Agent applicable ?	YES / NO
35	If YES, whether following details of Indian Agent provided ?	YES / NO
	(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?	
36	Whether weight & volume of items offered indicated ?	YES / NO
37	Whether Pre-despatch/shipment inspection & testing quoted?	YES / NO
38	Whether charges towards Pre-despatch/shipment inspection & testing applicable?	YES / NO
39	If Pre-despatch/shipment inspection & testing charges applicable, whether quoted separately?	YES / NO
40	Whether confirmed to submit PBG as asked for in NIT ?	YES / NO

41	Whether agreed to submit PBG within 30 days of placement of order ?	YES / NO
42	For Indian Bidders only - Whether offered Deemed Export price?	
43	For Indian Bidders only - Whether indicated import content in the offer ?	YES / NO
44	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted ?	YES / NO
45	Whether all BRC/BEC clauses accepted ?	YES / NO