

OIL INDIA LIMITED
(A Govt. of India Enterprise)
P.O. Duliajan – 786602, Assam

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Email: materials@oilindia.in ; erp_mm@oilindia.in; mmfd1@oilindia.in

Tender No. & Date : **SDG6130P15/09**

Tender Fee : INR 4,500.00 OR USD 100.00

Bid Security Amount : Applicable

Bidding Type : **SINGLE STAGE TWO BID SYSTEM**

Bid Closing on : **08.04.2015 (at 11.00 Hrs. IST)**

Bid Opening on : **08.04.2015 (at 14.00 Hrs. IST)**

Performance Guarantee : Applicable

OIL INDIA LIMITED invites Global Tenders for items detailed below:

Item No. / Mat. Code	Material Description	QTY.	UOM
<u>10</u>	SUPPLY, INSTALLATION AND COMMISSIONING OF SELF-PROPELLED TRUCK MOUNTED HOT OIL CIRCULATION UNIT (HOCU) CUM PUMPING UNIT WITH HEAT-GENERATOR AS PER THE FOLLOWING ANNEXURES: a) Detailed specification – Annexure - I. b) Bid Rejection Criteria (BRC) and Bid Evaluation Criteria – Annexure - II. c) Technical & Commercial Check list vide Annexure - III	1	No.

NOTES:

(1) A Pre-Bid Conference with the vendors will be held at Kolkata (India) on **10th March 2015** to discuss on the technical specifications mainly and other terms and conditions, if any, of the tender. The exact venue and time of the Pre-Bid conference will be intimated to the eligible vendors at a later date.

(2) Clarification on the technical specifications and other terms & conditions of the self-propelled truck mounted Hot Oil Circulation Unit (HOCU) cum Pumping Unit with Heat-Generator shall be provided to the vendors during the Pre-bid Conference. Bidders should come fully prepared to the Pre-bid Conference and submit their queries to OIL in the Pre-bid Conference for clarification. The set of queries may please be sent to OIL in advance to e-mail address mmfd1@oilindia.in & materials@oilindia.in and the same should reach us latest by **07.03.2015** for study by OIL. Non receipt of queries from any bidder will be construed as there is no query in respect of this tender. In the Pre-bid conference, discussions will be held only on those queries which are received from the bidders by 07.03.2015.

(3) Any changes in the technical specifications and other terms & conditions of this tender arising out of discussion in the Pre-bid Conference shall also form part of the tender document.

(4) Bidders 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
Phone No. 03742808720
FAX NO. : +91 - 374 – 2800533
E-Mail : mmfd1@oilindia.in / materials@oilindia.in

(5) Maximum two (2) representatives from each prospective bidder shall be allowed to participate in the pre-bid conference. All costs associated to attending the pre-bid conference by their representatives shall be borne by the interested Bidders themselves.

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 vide Annexure – III. Please ensure that both the check lists are properly filled up and uploaded along with “Techno-commercial Unpriced Bid”.

3.0 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
TENDER No. SDG6130P15/09

Deemed Export Benefit against this purchase. Details of Deemed Export are furnished vide Addendum to “General Terms & Conditions”.

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 **13:00 Hrs.(IST)** on the Bid Closing Date mentioned in the Tender.

a) Original Bid Security.

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

All documents submitted in physical form should be signed on all pages by the authorised signatory of the bidder and to be submitted in triplicate.

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

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

RFx Information Items Notes and Attachments

Basic Data Questions

Event Parameters

Currency: Indian Rupee

Detailed Price Information: Price with Conditions

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

Service and Delive
Incoten
Status and Statist
Created C
Created B
Last Processed C
Last Processed B

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:

Edit RFX Response:

Submit | Read Only | Print Preview | Check | Technical RFX Response | Close | Save | Verify

Bid on “EDIT” Mode

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 RFX Version Number 5

RFX Information | Items | **Notes and Attachments** | Conditions

Area for uploading Techno-Commercial Unpriced Bid*

▼ Notes

Add Clear

Assigned To	Category	Text Preview

▼ Attachments

Sign Attachment Add Attachment Edit Description Versioning Delete Create Qualification

Assigned To	Category	Description	File Name	Version	Processor	Checked
The table does not contain any data						

Area for uploading Priced Bid**

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 click 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 Other terms and conditions of the tender shall be as per “General Terms & Conditions” for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) and its amendments. However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

8.0 **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 RAGHAW SHARAN PANDEY, IAS (RETD.)
Former Secretary, Ministry of Petroleum & Natural Gas
E-MAIL ID : raghaw_pandey@hotmail.com

SCOPE OF SUPPLY :

SUPPLY, INSTALLATION & COMMISSIONING OF SELF-PROPELLED TRUCK MOUNTED HOT OIL CIRCULATION UNIT (HOCU) CUM PUMPING UNIT WITH HEAT-GENERATOR.

QUANTITY : 1 No.

A APPLICATION : Hot Oil Circulation with additional provision of Fluid Pumping

The Unit shall be used in oil/gas/injection wells and pipeline for carrying out of the following well servicing jobs:

As HOCU: De-waxing of production tubing in conjunction with/without Coiled Tubing Unit, Dewaxing of Flow lines by pumping hot fluid,

As FPU: Pumping of water/Salt Solution/High Viscosity fluid through Coiled Tubing, Acid Stimulation, Well Killing Operation, etc.. While pumping as Fluid Pumping Unit (FPU) the fluid flow through heating coil shall be avoided/by-passed.

Fluids to be handled: Crude oil, HSD, Plain Water, Saline Water, Mineral oils, High Viscosity fluid, mud etc.

B EQUIPMENT DETAIL:

1.0 TRUCK CHASSIS:

Brand New, Semi Forward Control (SFC) 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 latest and conforming to international quality standard norms, having specifications, fittings, accessories, etc. as under:

1.1 DIMENSION (COMPLETE UNIT)

Overall Width - should not be more than 2.60 mtr.

Overall Height - Should not be more than 3.75 mtr (from the ground level)

Overall Length - Should not be more than 13.00 mtr.

Wheel base: - As per design.

Chassis Over hang: - As per design.

Ground Clearance - Maximum ground clearance is required for this unit to avoid hitting of retrofitted under carriage components while travelling on uneven roads in oilfield areas. It shall be the bidder's endeavor to mount retrofitted undercarriage components (i.e. other than originally mounted components) at maximum possible height. It should be not less than 20 cm. The ground clearance will not be applicable within 1 mtr distance of Axles.

1.2 ENGINE

Water-cooled diesel engine of adequate power (within the range 425-500 HP at rated rpm) suitable for road drive as well as hot oil pumping operation. The engine shall conform to BSIII / EURO-III or equivalent Emission Norms and of make Caterpillar/ International / Cummins / Volvo 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.

1.3 TRANSMISSION

Fully automatic Allison (4700 series) or VOLVO make transmission suitable for both road drive and Hot Oil Operations shall be provided. The transmission should be compatible for offered engine. Suitable Transfer Case & other PTO's as per design/requirement shall be provided. Suitable hardware & software for fault diagnostic & repair tool shall be provided along with the unit.

1.4 DRIVE & STEERING

Drive	-	6X4 Drive (One Single non powered front axle & two Powered rear axles).
Steering	-	Right hand drive Hydraulic Power Assisted Steering (Steering wheel on the right hand).
Minimum Turning Circle Radius	-	As per design

1.5 SUSPENSION, GVW & AXLES

A. Front Suspension	-	Heavy Duty Multi-Leaf Spring Suspension of suitable design with Shock Absorbers.
B. Rear Suspension	-	Preferably Rocker Beam (Walking Beam) type suspension with heavy duty shock absorbers.
C. Laden Weight	-	As per design
Front Axle	-	As per Design

	Capacity		
	Rear Capacity	Axle	- As per Design
D.	Rear Axles shall have Inter Axle Lock facility.		
E.	<p>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.</p> <p>[Laden Weight means – Weight of the complete unit with all equipment & fittings i.e. weight of the chassis with driver's cabin + weight of all equipment permanently mounted on the unit + weight of other tools, accessories, etc. generally being carried/kept in the unit, spare wheels, hydraulic & diesel oil, etc. Accordingly, Laden Weight is the sum of actual loading on each individual axle.]</p>		

1.6 **WHEELS & RIMS**

Suitable wheels (2 Nos. at Front Axle, 8 Nos. at Rear Axles) with Tube & Tyre of adequate ply rating with **two (02) sets of complete spare wheels** (even in case of same front & rear wheels) shall be provided.

Super Single tyre / wheels are not acceptable.

It shall be bidder's endeavour to offer front and rear wheels of same size & type. If not possible for design constrain, two (02) spare wheels - one for each type shall be supplied. Suitable lifting & mounting arrangement facility for spare wheels shall be provided. It is the bidder's endeavor to provide tyres available in India.

1.7 **BRAKE**

- A. Service Brake** - Multiple Circuit Pneumatic S-Cam / Z-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.

1.8 FUEL TANK

Two (02) nos. of fuel tanks each of minimum 100 USG (380 Lts.) Capacity with suitable strainer at the opening of the tank to prevent entry of foreign materials & locking arrangement shall be provided.

1.9 DRIVER'S CABIN

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

1.10 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.** All lights shall be covered to the extent possible with suitable wiremesh 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. of fan inside driver's cabin shall be provided.
- 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 left side, 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. should be of Lucas / Delco Remy / Mitsubishi make only.
- J.** Suitable electrical Master Switch should be provided to disengage all electrical circuits from battery.
- K.** 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 (2) nos. min. 30 MT capacity hydraulic jack with handle, two (2) nos. stopper block for rear wheels.

- L.** Fire Extinguisher & First Aid Box inside the driver's cabin.
- M.** Suitable spark arrestor for engine exhaust for operation in oilfield area.
- N.** Mounting of the sub frame on the main chassis frame shall be rugged enough to overcome the stresses developed during road travel / operation in a typical oilfield of tropical region. Mounting diagram of the sub-frame on the main chassis shall be provided along with the offer. All welding shall conform to recommended practices of the American Welding Society as outlined in ANSI/AWS D14.3 or ANSI/AWS D1.1.

2.0 **PUMPING SYSTEM:**

The pump shall be horizontal, triplex, single acting reciprocating type plunger pump with replaceable plungers, valves and stuffing box packing with max Working Pressure of 10,000 psi. The pump shall be any one of following make:

1) Gardner Denver 2) National Oil well Varco 3) SPM

The pump should be fitted with proper size of plungers to meet the following requirement:-

- Maximum discharge = 337 GPM (1275 LPM) at 2745 psi (193 kg/cm²) pressure
- Minimum discharge = 75 GPM (284 LPM) at 10000 psi (703 kg/cm²)
- Pump speed: The maximum operating speed will be limited to 450 RPM.
- Duty type: "Intermittent Service"

The pump will be operated at different speeds using a five speed gear having various transmission ratios to have a wide range of discharge volume against various pressure rating. The pump should be equipped with internal reduction gear or chain drive arrangement with proper reduction ratio to those discharge condition.

The pump should be equipped with the followings:

- i. Pump Duty: Heavy duty pump suitable for the following service:-
Crude oil, HSD, Plain Water, Saline Water, Mineral oils, High Viscosity fluid, mud acid etc
- ii. Pump Lubrication
 - a. For lubrication of plunger & packing, suitable lubricating system either of slow speed drip lubrication type or provision for regular greasing along with required accessories.

- b. Power end should be pressure lubricated either by crank shaft driven gear type lube pump or by hydraulically driven lube oil pump to ensure proper lubrication at slow speed of the pump.
- c. If a chain drive system is used, proper lubrication system has to be installed for the chain drive and the chain with the sprockets should be enclosed in leak-proof metal enclosure with provision for periodic inspection.

The bidder has to furnish the performance curve of the pump with selected plunger along with data sheet & technical leaflet of the offered pump along with the bid.

2.1 SUCTION MANIFOLD FOR TRIPLEX PUMP:

The suction manifold from the tank/tanks will be extended to the edge of the chassis and fitted with 4" connection with a 4" Butterfly valve. There shall be provision for suction directly from the tank/tanks and via Booster Pump for the triplex pump. Additionally the pump suction shall have a 4" provision to take suction from an external source. An Isolating valve of butterfly type needs to be provided in the external source line.

2.2 DISCHARGE MANIFOLD:

The discharge manifold connection shall consist of the following:

- 1) 2 nos of 2" X 15,000 Psi Plug valves.
- 2) All treating iron, nipple & unions shall be of make FMC/SPM/MSI.
- 3) One No. 50.8 mm (2") full flow, spring loaded reset relief valve of 15000 psi set at 6500 Psi (Make: OTECO/ BAIRD / CAMERON /SPM) with 1502 standard quick union.
- 4) One No. heavy duty industrial type Liquid filled discharge pressure gauge having a range up to 10000 psi, with built in dampening mechanism to minimize fluctuations for accurate response to pressure changes mounted directly at the pump discharge manifold
(Make: OTECO/ CAMERON / MARTIN DECKER/NOV)
- 5) Bypass/ isolating system for heating coil/vaporizer.

2.3 BOOSTER PUMP / FEED PUMP:

One (01) no. of 3" Viking/Bowie make booster pump or feed pump shall feed the main Triplex Pump and also for circulation between Tank and burner to attain the desired temperature. Temperature gauge shall be provided at the inlet and outlet of the tank. The required pressure at the inlet of Triplex Pump should be sufficient enough so that no starvation is developed at any speed of the Triplex pump. The booster pump should have double suction arrangement, one from suction tank and other from different/external sources.

2.4 LOADING & UNLOADING PUMP:

One suitable hydraulic motor driven gear type pump of 5 Cubic m/hr capacity and 20 m head shall be installed in the unit for loading & unloading of volatile chemical. The hydraulic motor of the loading and unloading pump shall be driven by the same hydraulic system of the unit.

Delivery: 50 mm end connection. The pumps shall be any one of the following make: Viking, Parker, Bowie, Rotodel etc

2.5 FLUID TANKS:

The capacity of the suction tank (closed tank) shall be 50 bbls with provision for removable lid. Suitable indicator for fluid measurement in Kilo-liters/ barrels scale shall be provided on the tank. The material of construction of tank should be stainless steel and the tank shall have a coat of corrosion resistance paint on the inner surface to protect against corrosive material. The tank should be equipped with Vapor vent line against pressurization and sight gauge glasses for fluid level indication.

2.6 FUEL PUMP:

One fuel pump (preferably Hydraulic motor driven) of adequate capacity to feed fuel to the burner shall be provided.

2.7 BURNER / HEATING SYSTEM:

2.7.1 The heating system shall be designed to raise the inlet temperature of the working fluid (Crude oil/Plain water/Saline water etc.) from a minimum of 5°C to 100°C with the designed pumping rate.

The heating system shall be direct fired one pass continuous forced circulation oil type heater. Burner rated capacity approximately 8.5 million BTU / hr input at maximum output of 6.5 million BTU / hr (actual heating capacity shall be designed by the supplier keeping Fuel Efficiency and Environmental friendly use in mind). The design data sheet shall be supplied along with the quotation. Hydraulic driven blower system for atomization & combustion shall be provided. The burner system shall have provision for manual remote ignition in addition to automatic ignition system. However, the auto cut-off provision should not interfere with the manual remote ignition system.

2.7.2 One (01) no fuel tank of 100 USG capacity with suitable strainer at the opening of the tank to prevent entry of foreign materials and locking arrangement shall be provided.

Type of Fuel to be used is High Speed Diesel of calorific value 10840 KCAL/KG.

Safety: In addition to any other safety provision, provision for CO₂ fire protection in the heater shall be made.

2.8 HYDRAULIC TRANSMISSION & CONTROLS:

1. Hydraulic system pumps shall be driven by truck engine through transmission and PTOs.
2. All variable displacement hydraulic pump and motor should be hydraulic displacement control type only.
3. All hydraulic direction control valve should have mechanical actuation system. In case of Pilot operated direction control valve, pilot signal should be either pneumatic or hydraulic.
4. Make of the hydraulic motors/ pumps shall be Sauer Danfoss / Sun strand / Parker / Denison / Rexroth / Linde / Vickers.
5. Hydraulic oil cooler should be designed in such a way that the temperature of the hydraulic oil in the system does not exceed 70° C in extreme ambient temperature of 50° C.

3.0 CONTROL PANEL , INSTRUMENTATION AND MONITORING SYSTEM:

3.1 CONTROL PANEL:

The control panel shall be made of stainless steel plates. Panel shall be weather proof (IP-65) and shall have provision of front opening with proper side hinge. The necessary hinge, screw, nuts& bolts used in the panel should be SS. There shall be proper illumination inside the panel. Necessary power supply for the panel DC/AC, inverter/converter shall be mounted inside the panel or a suitable location near the panel on the truck body with proper enclosure. All nuts, bolts, screws etc. used for mounting the panel and its modules shall be non-rusting type.

The AC operating power for the instruments shall be 230±10 V, 50 Hz and DC operating power for the instruments shall be 12/24V. Inverter shall be 12/24VDC to 230VAC.

The control system should be predominantly hydraulic / pneumatic. Use of electronic control should be minimal. The inside of the door should depict a permanent block/flow diagram of the operating process and list of start-up and shutdown procedure.

The gauges installed in the control panel shall be liquid filled type to dampen vibration when the unit is in operation. The control panel shall be installed with suitable anti vibration pads. The gauges to be provided shall be dual scale, English / Metric where ever possible.

All important parameters of the unit shall be indicated in the control panel. The parameters/controls that are required to be installed in this local gauge cabinet will be as follows:

- 1) Engine coolant temperature gauge
- 2) Engine oil pressure gauge.
- 3) Engine rpm
- 4) Hydraulic oil pressure gauge.
- 5) Hydraulic Temperature gauge
- 6) Air Pressure gauge

- 7) Transmission oil temperature gauge.
- 8) Triplex pump Lube oil temperature gauge.
- 9) Triplex pump power end lube oil pressure gauge along with one (01) no. additional pressure gauge for direct power end lube oil pressure
- 10) Triplex pump rate (liters) and totalizer
- 11) Triplex pump pressure
- 12) Boost Pressure gauge
- 13) Boost control valve
- 14) Lo-Hi Temperature Switch
- 15) Lo-Hi Pressure switch protection for burner
- 16) Lo-Flow Safety Switch
- 17) Rapid fuel shut-off switch
- 18) Emergency shut down
- 19) Normal shut down
- 20) Lights on / off
- 21) Transmission shifter
- 22) Throttle control
- 23) Burner ON/OFF switch
- 24) Audio-visual Safety alarms for safe operation and protection of main equipment of the unit.

3.2 The unit should be equipped with a real time data acquisition and diagnostic system to monitor engine as well as pump performance. The system should include appropriate software, hardware, an industrial computer, laptop and any other accessories needed.

4.0 ILLUMINATION:

The unit should have an inbuilt electrical system to provide sufficient illumination to enable emergency operation during night hour operations. At least four flood lights shall be provided in the unit for all round illumination.

5.0 TREATING IRON / DISCHARGE MANIFOLD:

The following items are to be supplied with this unit:

- 1) 2" style 10 swivel with Fig 1502 connection: 4 nos.
 - 2) 2" style 50 swivel with Fig 1502 connection: 8 nos.
 - 3) 2" x 10' pup joint with Fig 1502 connection: 10 nos.
 - 4) 2" x 5' pup joint with Fig 1502 connection: 10 nos.
 - 5) 2" check valve with Fig 1502 connection: 2 nos.
 - 6) 2" plug valve: 2 nos. with Fig 1502 union connection male X Female end connection
 - 7) 2" Y with Fig 1502 connection: 2 nos.
 - 8) 4" x 10' low pressure suction hose with connection: 4 nos.
 - 9) Line relief valve with fig 1502 connection.
- All treating iron should be of make FMC/SPM.

6.0 TOOLS:

One set of relevant tools for operation and maintenance of the unit for all equipment, engines, pumps, associated hydraulic system, Allison transmissions, PTO, etc. to be supplied.

Apart from the above the following standard tools and accessories to be supplied in a tool box:

Pipe Wrench (size 12", 18", 24")	: 4 nos. (each)
Combination Spanners	: 2 sets
Combination Pliers	: 2 nos.
Allen Key Set	: 2 nos.
Screw Drivers (plain, Size 6" X 10")	: 2 nos.
Screw Drivers (Philips Size 6" X 10")	: 2 nos.
Fire Extinguisher	: 1 no.

Special tools wrenches for Pump servicing

Valve seat Puller	: 1 set
Aluminum ladder	: 1 no
Special tools for removing plunger	: 1 set
Special tools for valve suction and discharge cover removal:	1 set each
Special tools required for Booster pump & hydraulic system:	1 set

7.0 SPARES

7.1 COMMISSIONING SPARES

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

7.2 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 Hot Oil Circulation 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	-	04 Nos.
7.	Alternator Belt	-	04 Nos.
8.	Compressor Belt	-	04 Nos.
9.	Water Pump Repair Kit	-	02 Sets
10.	Water Hose	-	04 Nos.
11.	Engine Mounting	-	01 Set

B. TRANSMISSION

1.	Transmission Filter Element	-	04 Nos.
2.	Transmission Mounting	-	02 Sets
3.	Gear Shifter (one inside driver's Cabin)	-	01 No.
4.	Gear Shifter Repair Kit (in case of pneumatic shifter)	-	01 Set.
5.	In case of electrical shifter, <u>one (01) set of harness</u> from the main shifter (inside driver's cabin) to transmission shall be provided.		
6.	Gear Shifter Hoses	-	02 Nos.

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

1.	Oil Filter Element, if any	-	04 Nos.
2.	Mounting	-	02 Nos.
3.	Oil Seal	-	02 Sets
4.	PTO actuator Seal Kit	-	05 Sets.

D. FRONT AXLE

1.	Wheel Stud with Nuts	-	20 Nos.
2.	Axle Stud with Nuts	-	20 Nos.
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	-	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 major Pneumatic Valves
(Circuit protection valve, relay valve, etc.) | - | 01 Set each |

I. ELECTRICAL

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

ii) Hot Oil Unit Spares

- | | | | |
|-----|--|--|--------|
| 1 | Repair kit for fuel injection system of Oil heater | | 1 set |
| 2 | Repair kit for electrical ignition system of oil heater | | 1 set |
| 3 | Valve repair kit for all sizes of valve used in the piping | | 1 each |
| 4 | Repair kit for blower for oil heater. | | 2 no |
| 5 | Solenoid valve used in the pneumatic control system
for all type of solenoid valve fitted in the unit | | 1 set |
| 6 | Feed / circulating pump repair kit containing all
consumables such as gasket, packing & seals: | | 4 set |
| 7 | Load pump repair kit containing all
consumables such as gasket, packing & seals: | | 1 set |
| 8 | Repair kit tank level gauge | | 4 set |
| 9 | All Strainers and Filter elements used in hydraulic system
(High Pressure & Low pressure system) | | 2 set |
| 10 | Joystick to control blower speed | | 1 no |
| 11 | Joystick to control Triplex speed | | 1 no |
| 12 | Plug valve repair kit (Hot oil discharge) | | 1 no |
| 13 | Hot oil temperature gauge (All) | | 1 set |
| 14. | Booster/Feed Pump | | 1 no. |

Triplex Pump Spares

- | | | |
|------|--|-------------|
| 1. | Triplex pump repair kit containing the followings: | 1 no. |
| i. | Bearing oil seal: 1 no. each for DE & NDE | |
| ii. | Suction valve cover gasket : 6 nos. each | |
| iii. | Discharge valve cover gasket : 6 nos. each | |
| iii. | Packing, oil stop head : 6 set. | |
| iv. | Seal, suction to fluid cylinder : 6 set | |
| 2. | Plunger | 3 nos. |
| 3. | Stuffing box | 3 nos. |
| 4. | Stuffing Box Seal | 12 nos. |
| 5. | Complete Fluid Valve assy. including valve seat, spring etc. | |
| i) | Suction valve assy. | 3 nos. |
| ii) | Discharge valve assy | 3 nos. |
| 6. | Fluid Valve with inserts as applicable, | |
| i) | Suction | 3 nos. |
| ii) | Discharge | 3 nos. |
| 7. | Complete packing assembly | 6 nos. |
| 8. | Complete Packing rings set | 6 set |
| 9. | Valve spring, suction and discharge | 3 nos. each |
| 10. | Pump lube oil filter | 2 nos. |
| 1. | Packing Nut | 4 Nos. |
| 2. | Header Ring | 3 Nos. |
| 3. | Pressure Ring | 6 Nos. |
| 4. | Transmission oil filter | 4 Nos. |
| 5. | Heavy duty Pressure gauge | 2 No. |

INSTRUMENTATION & CONTROL SYSTEM

- | | | |
|-----|---|--------|
| 1. | Flow meter to measure hot oil discharge. | 1 No |
| 2. | Thermo couple, cable and meter to measure discharge temp | 1 set |
| 3. | Pump lube oil filter | 4 nos |
| 4. | Pump lube pressure sensor | 1 no |
| 5. | Pump lube temp sensor | 1 no |
| 6. | Pump discharge pressure gauge | 1 no |
| 7. | All Panel gauges | 1 set |
| 8. | Temperature controller | 1 No |
| 9. | Spares for burner control system
(Burner, ignition transformer, ignition rod assembly,
Flame sensors, controller, solenoid valves, fuel &
air pressure switch, no flow switch, etc.) | 1 set |
| 10. | Spares for electrical power system for panel & instruments
(Inverter/converter, relays, switches, fuse, bulb, LED etc.) | 1 set. |
| 11. | Fire eye | 1 set. |

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 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. However, these additional spares, as suggested by the bidder will not be considered for Bid Evaluation purpose.

7.3 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 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
Triplex Pump	Plunger	XX	359	GD Make
		YY	5000	
Hydraulic System	Pump motor and so on	XY	10000	Rexroth -do-
		X1Y1	500	
Instrumentation items	Pressure Gauges	XY	200	Make and part no of the subunits are also to
	Solenoid Valve	X1Y1	500	

				be provided.
--	--	--	--	--------------

7.4 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.

8.0 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.

9.0 STANDARDS:

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

- I. BSIII / EURO-III or equivalent Emission Norms for vehicle
- II. 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.
- iii)

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

The following Manuals & Catalogues **in printed form** (in English language) shall be supplied along with the unit in addition to the supply of the same in Compact Disk (CD). **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.** One (01) set of Engine Fault Diagnostic & Repair Tool manuals in case of engine with Electronic Controller System.
- D.** One (01) set of ABS Fault Diagnostic & Repair Tool manuals in case of brake with ABS.
- E.** One (01) set of Transmission fault diagnostic & repair tool manual for Allison / Volvo transmission.
- F.** The bidder has to supply four (04) sets of operating, maintenance and spare parts manual detailing maintenance schedule for daily maintenance, preventive maintenance, major overhauling and frequency of spares replacement for all the components of the unit. The operation and maintenance manual should also contain details of all sub assemblies, instrument sensors, wiring diagram hydraulic schematics with colour code and entire requisite spare parts with Part No (Preferably OEM Part No. with detail contact address).
- G.** 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.
- H.** Four (04) sets of all relevant test and calibration certificate for each instrument shall be supplied along with the unit.
- I.** The necessary licensed software in original packages along with user software backups are also to be supplied

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

11.0 INSPECTION CUM ACCEPTANCE

1) THIRD PARTY INSPECTION:

Independent 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). Scope of 3rd party inspection:

- i) Witness the manufacturing and assembly
- ii) Witness the functional and performance tests

Any other requirement of the inspection agency to satisfy the equipment as per applicable standards.

2) Pre-shipment inspection shall be carried out by OIL (by representative of user as well as service dept viz. Instrumentation, Transport Dept. Field Engineering etc.) at manufacturer's site. The supplier shall inform OIL at least two (02) months ahead for such inspection to enable OIL to send its inspectors. The supplier has to arrange for five (05) OIL engineers for inspection. 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 -

- a. 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.
- b. Operational testing of the carrier.
- c. 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 to OIL.
- d. The inspection report would be prepared at the end of the inspection and jointly signed by both the parties.
- e. 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.
- f. Supplier will affect dispatch of the unit only on receipt of OIL's dispatch advice.

12.0 TRAINING TO OIL PERSONNEL ON HOCU SYSTEM:

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

12.1 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 ten (10) days on Operation & Maintenance, Troubleshooting and Working Principle of following systems/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) Hydraulic system.
- vii) Control Panel.
- viii) HOCU operation & trouble shooting.
- ix) Repairing and Maintenance of Triplex Pumps, Booster pump, Heat Generator etc.

12.2 During installation and commissioning of the unit, the commissioning engineer shall have to provide field training as well as class room training for a period of one (01) week to OIL Engineers and technicians on Maintenance, troubleshooting, Working Principle and repair/ replacement of different equipment.

Bidders should quote their training charges separately for evaluation purposes.

13.0 COMMISSIONING:

13.1 The unit shall be commissioned at Duliajan, Assam, India by carrying out three (03) successful field **jobs at suitable locations / wells within a period of one (01) month after arrival of the Supplier's Commissioning Engineer.**

13.2 The successful bidder must quote for commissioning charges which should include the to and fro charges, fooding & lodging and daily charges of the personnel. OIL will provide accommodation (on payment basis) subject to availability. OIL will provide local transportation to the commissioning personnel.

13.3 The commissioning engineer should be available at site within fifteen (15) days of the intimation given by OIL for commissioning the unit.

13.4 Bidders should quote commissioning charges separately for evaluation purposes.

14.0 WARRANTY / GUARANTEE:

The offered items/complete unit, in the event of an order, must be under guarantee/warranty by the bidder for a minimum of not less than 12 months from the date of successful commissioning of the complete unit at site. Defective goods/materials or parts notified by oil to the seller shall be replaced immediately by the seller on F.O.R destination basis including payment of all taxes and duties at Seller's expense. This guarantee shall survive and hold good notwithstanding inspection, payment for and receipt of the goods. The bidder shall offer a period of at least one (01) year warranty for the entire equipment supplied from the date of successful field commissioning of the entire equipment.

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 the NIT.

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.

15.0 CONFORMITY TO THE NIT SPECIFICATIONS:

- 15.1 Bidder must fill the Technical datasheet enclosed with the offer.
- 15.2 The total axle capacity shall be at par with the GVW with all equipment.
- 15.3 Detailed specifications of Mechanical, Electrical, Pneumatic and Hydraulic systems including relevant instrumentation details should be provided.
- 15.4 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.
- 15.5 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.
- 15.6 The bidders are to confirm categorically the commissioning clause as mentioned in 13.0 of Technical Specification.

16.0 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. If no deviations from the Technical specifications are intended, the same shall be confirmed in the offer. But OIL reserves the right for acceptance or rejection of the deviation.

17.0 BID SUBMISSION & DOCUMENTATIONS:

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' etc. 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.

17.1 Following documents shall be submitted along with bid for evaluation–

1. Technical leaflets with detailed specifications, Make & Model of chassis, engine, transmission, power take off, transfer case (if any), axle, suspension, steering, brake, pump, heating system etc.
2. Detail dimensional layout drawing(s) illustrating Driver's Cabin & position of all major components & their mounting on the vehicle.
3. List of items that shall be supplied under the Engine Fault Diagnostic & Repair Tool (both Software as well as complete Hardware).

4. List of items that shall be supplied under brake ABS 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.
6. 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 7.2 above.
7. List of Recommended Spares in para 7.3 above.
8. Checklist as per enclosed format shall be furnished along with the bid.

17.2 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 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 Hot Oil Circulation unit** - It shall include cost of all equipment of Pumping unit, tools, accessories, etc. subsequently fitted in the original truck chassis as well as supplied separately along of the unit.

18.0 General Notes for Bidders :-

(Bidders should confirm each & every point clearly. Deviations, if any, should be highlighted in the quotation.)

- 1.0 Bidder should indicate the name of manufacturer & country of origin.
- 1.1 Materials shall be brand new, unused & of prime quality.
- 2.0 The bidders must submit a written undertaking 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. Original Equipment Manufacturer's undertaking must be forwarded for the items not manufactured by the bidder.

3.0 Installation & Commissioning :

3.1 The successful bidder will be required to install and commission the Hot Oil Circulation unit (HOCU) at Duliajan, Assam, India as indicated in the NIT vide Para 13.0 above by their competent service engineer within fifteen (15) days from the date of intimation from OIL.

3.2 Installation/ Commissioning charges must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. Total Nos. of days required for commissioning shall also be clearly indicated by the bidders.

4.0 Training :

- i) The successful bidder will be required to provide training to OIL personnel as indicated in the NIT vide Para 12.0 above.
- ii) Training charges shall be quoted separately which shall be considered for evaluation of the offers.

5.0 Pre-Shipment Inspection :

- i) The successful bidder will be required to keep provision for Pre-Shipment Inspection by OIL personnel in addition to Third Party Inspection agency as indicated in the NIT vide Para 11.0 above .
- iii) TPI charge and Pre-Shipment Inspection by OIL charge, if any, shall be quoted separately which shall be considered for evaluation of the offers.

6.0 Installation/Commissioning, Training and Pre-Shipment Inspection charges, if any, should be quoted separately (and should not be clubbed together with main equipment) which shall be considered for evaluation of the offers.

6.1 While quoting Installation/Commissioning, on-site Training/expert charges above, bidder should take into account all charges including to and fro fares, boarding/lodging, local transport at Duliajan, Assam and other expenses of supplier's personnel during their stay at Duliajan. OIL may provide accommodation on Chargeable basis subject to availability. Bidder should confirm about providing all these services in their Bid. However, OIL reserves the right to avail such services at its own discretion.

7.0 **Tax & Duties:**

- (i) All taxes, stamp duties and other levies imposed outside India shall be the responsibility of the Bidder/Seller and charges thereof shall be included in the offered rates.
- (ii) All Taxes & levies imposed in India, for the services including installation & commissioning, shall be to the Bidder/Seller's account.
- (iii) Income Tax on the value of the Services rendered by the Bidder /Seller in connection with installation, commissioning, training etc. shall be deducted

at source from the invoices at the appropriate rate under the I.T. Act & Rules from time to time.

8.0 **Payment** : Payment shall be released as follows:

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

OIL may consider making 100 % payment of the Hot Oil Circulation units value towards supply of the Indirect Water Bath units 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 Hot Oil Circulation units value and also submit Bank Guarantee for the equivalent amount plus interest valid till successful commissioning of Hot Oil Circulation units at site. This is in addition to the 10 % of the order value towards Performance Security as per the NIT requirement.

Offers not complying with the payment terms as indicated above shall be loaded with one percent above the prevailing Bank rate (CC rate) of State Bank of India for duration of commissioning time indicated in the tender plus transit time (3 months) for evaluation purpose.

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

10.0 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 attached.

10.1 Other terms and conditions of the tender shall be as per “General Terms & Conditions” for e- Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). However, if any of the Clauses of the Bid Rejection Criteria (BRC) / Bid Evaluation Criteria (BEC) mentioned here contradict the Clauses in the “General Terms & Conditions” for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders) of the tender and/or elsewhere, those mentioned in this BEC / BRC shall prevail.

11.0 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 RAGHAW SHARAN PANDEY, IAS (RETD.)**
Former Secretary, Ministry of Petroleum & Natural Gas
E-MAIL ID : raghaw_pandey@hotmail.com

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

FORM 21

[See Rules 47 (a) and (d)]

SALE CERTIFICATE

(To be issued by manufacturer/ dealer or officer of Defence Department (in case of military auctioned vehicles) for presentation along with the application for registration of a motor vehicle).

Certified that

(brand name of the vehicle)

has been delivered by us to on (date)

Name of the buyer

Son /wife / daughter

Address (Permanent)

(Temporary)

The vehicle is held under agreement of hire-purchase/lease/hypothecation with

The details of the vehicle are given below:

1. Class of Vehicle
2. Maker's name
3. Chassis No.
4. Engine No.
5. Horse power or cubic capacity
6. Fuel used
7. Number of cylinders
8. Month and year of manufacture
9. Seating capacity (including driver)
10. Unladen Weight
11. Maximum axle weight & number &
Description of tyres (in case of transport vehicle)
 - (a) Front axle
 - (b) Rear axle
 - (c) Any other axle
 - (d) Tandem axle
12. Colour or colours of the body
13. Gross vehicle weight
14. Type of body

Signature of the Manufacturer /
Dealer or Officer of defence Department

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

FORM 22-A

[See Rules 47 (g), 124, 126-A & 127]

INITIAL CERTIFICATE OF COMPLIANCE WITH POLLUTION
STANDARDS, SAFETY STANDARDS OF COMPONENTS AND ROAD
WORTHINESS
(FOR VEHICLES WHERE BODY IS FABRICATED SEPARATELY)

PART – I

(TO BE ISSUED BY THE MANUFACTURER)

Certified that (brand
name of the vehicle) bearing Chassis number
..... and Engine Number
..... complied with the provisions of Motor
Vehicles Act, 1988 and Rules made thereunder.

Signature of the Chassis

Manufacturer

Form 22-A, Part I shall be issued with the signature of the manufacturer duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal of the manufacturer.

PART – II

(TO BE ISSUED BY THE BODY BUILDER)

Certified that body of the vehicle (brand
name of the vehicle) bearing Chassis number
..... and Engine Number
..... has been fabricated by us and the same
complies with the provisions of Motor Vehicles Act, 1988 and Rules made
thereunder.

Signature of the body builder

Form 22-A, Part II shall be issued with the signature of the body builder duly printed in the Form itself by affixing facsimile signature in ink under the hand and seal of the body builder.

BID REJECTION CRITERIA / BID EVALUATION CRITERIA:

I) BID REJECTION CRITERIA

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 shall be an Original Equipment Manufacturer (OEM) having experience in manufacturing of Hot Oil Circulation Unit (HOCU).

OR

The bidder shall be an authorized dealer of OEM of Hot Oil Circulation Unit (HOCU).

2.0 Bidder's Experience

2.1 In case the Bidder is an Original Equipment Manufacturer (OEM) of Hot Oil Circulation Unit (HOCU), the following criteria shall be met by the Bidder:

2.1.1 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 Hot Oil Circulation Unit (HOCU). 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 Hot Oil Circulation Unit (HOCU), 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 Hot Oil

Circulation Unit (HOCU) 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) Hot Oil Circulation Unit (HOCU) 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 Hot Oil Circulation Unit (HOCU) 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 :

Commercial Bid Rejection Criteria will be as per Section D of General Terms & Conditions of Global Tender (MM/GLOBAL/E-01/2005) with following Special Bid Rejection Criteria.

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 \$ 27,500.00 or Rs. 12,40,000.00** 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 for **one (1) year** from the original date of bid opening i.e, valid upto 07.04.2016.

3.0 Validity of the Bids shall be minimum 6(six) months (180 days) from the Bid closing date of the tender. Bids with lesser validity will be 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 twelve months from the date of successful commissioning 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.

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 one year from the date of successful commissioning of complete unit at site. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.

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

(i) Priced Bid Format (SUMMARY) for Foreign Bidders :

- (A) Total Material value of the unit including spares under para 7.1(commissioning spares) and 7.2(operationally critical spares)
- (B) Third Party Inspection Charge
- (C) Grand Total Material Value including above Charges (A + B)
- (D) Packing & FOB Charges
- (E) Total FOB Port of Shipment value (C + D) above
- (F) Ocean Freight upto Kolkata port, India
- (G) Insurance Charges
- (H) Total CIF Kolkata value, (E + F + G)
- (I) Pre-Despatch Inspection (by OIL personnel), Testing and Training charges, if any
- (J) Installation / Commissioning charges
- (K) Training charges
- (L) Total Value, (H + I + J + K) above
- (M) Total value in words :
- (N) Gross Weight :
- (O) Gross Volume :

(B) Priced Bid Format (SUMMARY) for Indigenous Bidders :

- (A) Total Material value of the unit including spares under para 7.1(commissioning spares) and 7.2(operationally critical spares)
- (B) Third Party Inspection Charge
- (C) Grand Total Material Value including above Charges (A + B)
- (D) Packing and Forwarding Charges
- (E) Total Ex-works value, (C + D) above
- (F) Excise Duty with Education Cess, (Please indicate applicable rate of Duty)
- (G) Sales Tax, (Please indicate applicable rate of Tax)
- (H) Total FOR Despatching station price, (E + F + G) above
- (I) Road Transportation charges to Duliajan
- (J) Insurance Charges
- (K) Total FOR Duliajan value, (H + I + J) above
- (L) Pre-Despatch Inspection(by OIL personnel), Testing and Training charges, if any
- (M) Installation / Commissioning charges

- (N) Training charges
- (O) Total Value, (K + L + M + N) above
- (P) Total value in words :
- (Q) Gross Weight :
- (R) Gross Volume :

NOTE :

Attention of Bidders is drawn to the followings, which were specified in the Tender document:

1. Cost of individual items must be quoted separately.
2. The Commissioning Spares and 2 years Operationally Critical Spares should also be indicated separately indicating the unit price and quantity quoted.
3. The items covered under this enquiry 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 must quote Deemed Export prices. Excise Duty under Deemed Export exempted.
4. Pre-despatch/Shipment Inspection charges, if any, must be quoted separately on lumpsum basis. The to and fro fares, boarding/lodging and other enroute expenses of OIL's Engineers going for Pre-despatch/Shipment Inspection shall be borne by OIL.
5. Training charges, if any must be quoted separately on lumpsum basis. Training charges at OIL's premises should include amongst others to and fro fares, boarding/lodging, local transport at Duliajan and other expenses of supplier's training personnel during their stay at Duliajan, Assam(India). In case of training at Bidder's premises, to and fro fares, boarding/lodging and other enroute expenses of OIL's personnel shall be borne by OIL.
6. Installation/Commissioning charges must be quoted separately on lumpsum basis. These charges should include amongst others to and fro fares, boarding/lodging and other expenses of supplier's commissioning personnel during their stay at Duliajan, Assam(India).
7. All Income, Service, Corporate Taxes etc. towards the services provided under installation / commissioning, Training and inspection shall be borne by the supplier and will be deducted at source at the time of releasing the payment.
8. Banking charges in the country of the foreign bidder shall be borne by the bidder.
9. Bidders must categorically indicate the above charges in their priced bid and must confirm the same in their Techno-commercial bid.

(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:

All materials as indicated in the material description of the enquiry 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 6.0 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 duration of commissioning time indicated in the tender plus transit time (3 months) 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) Total Material value of the unit including spares under para 7.1(commissioning spares) and 7.2(operationally critical spares)
- (B) Third Party Inspection Charge
- (C) Grand Total Material Value including above Charges, (A + B)
- (D) Packing & FOB Charges
- (E) Total FOB Port of Shipment value, (C + D) above
- (F) Ocean Freight upto Kolkata port, India
- (G) Insurance Charges @ 1% of Total FOB Value, (F) above
- (H) Banking Charges @ 0.5% of Total FOB Value (F) above in case of payment through Letter of Credit (If confirmed L/C at buyer's account is required, 1.5% of Total FOB Value will be loaded)

- (I) Total CIF Kolkata value, (E + F +G + H)
- (J) Pre-Despatch Inspection (by OIL personnel), Testing and Training charges, if any
- (K) Installation / Commissioning
- (L) Training Charges
- (M) Total Value, (I + J + K + L) above
- (N) 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) Total Material value of the unit including spares under para 7.1(commissioning spares) and 7.2(operationally critical spares)
- (B) Third Party Inspection Charge
- (C) Grand Total Material Value including above Charges (A + B)
- (D) Packing and Forwarding Charges
- (E) Total Ex-works value, (C + D) above
- (F) Sales Tax, as applicable on (E) above
- (G) Total FOR Despatching station price, (E + F) above
- (H) Road Transportation charges to Duliajan as per quote
- (I) Insurance Charges @0.5% of Total FOR Despt Station Value, (G) above
- (J) Total FOR Duliajan value, (G + H + I) above
- (K) Pre-Despatch Inspection(by OIL personnel), Testing and Training charges, if any
- (L) Installation / Commissioning
- (M) Training Charges
- (N) Assam Entry Tax
- (O) Total Value, (J + K + L + M + N) above
- (P) Total value in words :

NOTE: Excise Duty in case of the indigenous bidder quoting under Deemed Export 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, Assam Entry Tax 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 will be compared.

6.0 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for Global Tender vide MM/GLOBAL/01/2005. However, if any of the Clauses of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) contradict the Clauses of the tender and/or MM/GLOBAL/01/2005 elsewhere, those in the BEC / BRC shall prevail.

C H E C K L I S T

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.

(A) TECHNICAL CHECK LIST**Part A**

<u>A1.1 TRUCK</u>				
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			
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?)		
		g Fuel used		
9	Transmissio	a Make & Model		

	n (Main)	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-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 – Single or double				
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.		
32	Rated Electrical system voltage-12V/24V		

A1.2 PUMPING & HEAT GENERATING SYSTEM				
Sl. No.	PARAMETERS / REQUIREMENTS		BIDDER'S OFFER (To indicate details or yes/no, as applicable)	REMARKS, IF ANY
1	Make & model of pump, Maximum Working Pressure against clause no. 2.0			
2	Maximum discharge pressure, delivery rate , working temperature against clause no. 2.0			
3	Suction and Discharge manifold against clause no. 2.1 and 2.2			
4	Booster Pump / Feed Pump against clause no. 2.3			
5	Loading & Unloading Pump against clause no. 2.4			
6	Fluid Tank against clause no. 2.5			
7	Fuel Pump against clause no. 2.6			
8	Burner/Heating system against clause no. 2.7	Out let fluid temperature		
		Burner rated capacity		
		CO2 fire protection system		
9	Hydraulic Transmission & Controls against clause no. 2.8	Hydraulic system		
		Hydraulic control valve direction		
		Make		
		Maximum design temperature for		

		hydraulic oil cooler		
10	Control Panel and Instrumentation system as per clause no. 3.0 and 3.1	Control system		
		Type of Different gauges		
		Anti vibration pad with control panel		
		Control parameters installed		
11	Illumination as per clause no 4.0			
12	Treating iron as per clause no 5.0			
13	Tools as per clause no 6.0			
14	Spares as per clause no. 7.0	Commissioning spares as per clause no 7.1		
		Operational critical spares as per clause no. 7.2		
		Recommended spares as per clause no. 7.3		
		Written undertaking as per clause no 7.4		

Part B DOCUMENTATIONS

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	Technical literature with detailed specifications of Gardner Denver pumps, safety relief valves and pressure gauge		
6	Technical literature with detailed specifications of booster pump, drive mechanism		
7	Technical literature with detailed specifications for loading and unloading pumps		
8	Technical literature with detailed specifications, layout drawing, design data sheet for burner / heating system.		
9	Technical literature with detailed specifications and hydraulic circuit drawing illustrating pumps, control valves and actuators of hydraulic pumps, hydraulic motors		
10	List of tools that shall be supplied under Standard Tool Kit for general maintenance of the truck.		
11	Specific description, Part Nos., Make, etc. and Unit Price of each and every spares as detailed in the Operational critical Spare Parts List.		
12	List of any additional spares with details as felt necessary for two (02) years trouble free operation and maintenance but not covered in this list of Operational Critical Spares for future reference/ procurement- NOT FOR BID EVALUATION.		
13	Relevant test and quality control certificates of the manufacturing and testing of all unit		
14	Specific description, Part Nos., Make, etc. and Unit Price of each and every spares for pumps, control panel etc.		

Signature _____
Name _____
Designation _____

(B) 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.

<u>Sl#</u>	REQUIREMENT	COMPLIAN CE
1.0	Whether bid submitted under Single Stage Two Bid System?	Yes / No
2.0	Whether quoted as manufacturer?	Yes / No
2.1	Whether quoted as Supply House / Distributor. To Specify-	Yes / No
2.2	If quoted as Supply House / Distributor,	Yes / No
	(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
3.0	Whether ORIGINAL Bid Bond as per format in Annexure VII(Revised) (not copy of Bid Bond) Sent separately? If YES, provide details	
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
3.1	Whether offered firm prices ?	Yes / No
3.2	Whether quoted offer validity of 180 days from the date of closing of tenders ?	Yes / No
3.3	Whether quoted a firm delivery period? Delivery - Days / Weeks / Months	Yes / No
3.4	Whether agreed to the NIT Warranty clause ?	Yes / No
3.5	Whether confirmed acceptance of tender Payment Terms.	Yes / No

3.6	Whether confirmed to submit PBG as asked for in NIT ?	Yes / No
3.6.1	Whether agreed to submit PBG within 30 days of placement of order ?	Yes / No
3.7	Whether Price submitted as per Price Schedule (refer Para 6.0 of BRC vide Annexure-II)?	Yes / No
3.7.1	Whether the quoted price is inclusive of Commissioning spares?	Yes / No
3.7.2	Whether all the items of tender quoted?	Yes / No
3.7.3	Whether confirmed that all spares & consumables will be supplied for a minimum period of 10 years ?	Yes / No
3.7.4	Whether cost of Recommended Spares for 2 years of operations quoted ?	Yes / No
3.8	Whether quoted as per NIT (without any deviations)?	Yes / No
3.8.1	Whether quoted any deviation?	Yes / No
3.8.2	Whether deviation separately highlighted?	Yes / No
3.9	Whether indicated the country of origin for the items quoted?	Yes / No
3.9.1	Whether technical literature / catalogue enclosed?	Yes / No
3.9.2	Whether weight & volume of items offered indicated?	Yes / No
4.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding ?	Yes / No
4.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
4.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
4.3	Whether Indian Agent applicable ?	Yes / No
	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?	
5.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
5.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
5.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
5.3	For Indian Bidders only - Whether indicated import content in the offer ?	Yes / No
5.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
5.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted ?	Yes / No
6.0	Whether all BRC/BEC clauses accepted ?	Yes / No
7.0	Whether confirmed to offer the equipment for Pre-despatch/shipment Inspection & testing?	Yes / No
7.1	Whether Pre-despatch/shipment inspection & testing charges applicable?	Yes / No
7.2	If Pre-despatch/shipment inspection & testing charges applicable, whether quoted separately on lumpsum basis?	Yes / No
7.3.	Whether confirmed to carry out Installation & Commissioning of the equipment at Duliajan(Assam) ?	Yes / No
7.4	Whether Installation & Commissioning charge applicable?	Yes / No
7.5	If Installation/ Commissioning charges applicable, whether separately quoted on lumpsum basis?	Yes / No
7.6	Whether to & fro air fares, boarding/lodging of the commissioning personnel at Duliajan, Assam(India) included in the quoted charges ?	Yes / No
7.7	Whether confirmed that all Service, Income, Corporate tax etc. applicable under Installation/ Commissioning & Training (as applicable) are included in the prices quoted ?	Yes / No
8.0	Whether Integrity Pact with digital signature uploaded?	Yes / No

Offer Ref Dated
