

Bid Document

Bid Details	
Bid End Date/Time	27-08-2021 11:00:00
Bid Opening Date/Time	27-08-2021 11:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Petroleum And Natural Gas
Department Name	Oil India Limited
Organisation Name	Oil India Limited
Office Name	Oil India Limited
Total Quantity	1
Item Category	Live Oil Recombination Set Up
Minimum Average Annual Turnover of the Bidder	101 Lakh (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Bidder Turnover,OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled	No
Annual Maintenance Charges Required	Yes
Time allowed for Technical Clarifications during technical evaluation	5 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Pre Dispatch
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Quality Assurance Plan document	1628229185.pdf
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	HDFC Bank
ePBG Percentage(%)	3.00
Duration of ePBG required (Months).	23

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

CHIEF MANAGER

Oil India Limited, OIL INDIA Limited, OIL INDIA Limited, Ministry of Petroleum and Natural Gas
(Balen Bharali)

Splitting

Bid splitting not applied.

MII Purchase Preference

MII Purchase Preference	Yes
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MSE Purchase Preference

MSE Purchase Preference	Yes
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1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

3. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued

by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer) of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 100%(selected by Buyer) percentage of total QUANTITY.

4. Inspection of Stores by Nominated Inspection Authority / Agency of buyer or their authorized representatives

An independent third party Professional Inspection Body can help buyer in mitigating buyer's risk with pre-dispatch/post-dispatch inspection in order to ensure that equipment, components, solutions and documentation conform to contractual requirements. The buyer has a right to inspect goods in reasonable manner and within reasonable time at any reasonable place as indicated in contract. Inspection Fee/ Charges (as pre-greed between buyer and Inspection Agency) would be borne by the buyer as per their internal arrangement but may be recovered from the seller if the consignment failed to conform to contractual specification and got rejected by the Inspection Officer .If so requested and accepted by the seller , initially seller may pay for inspection charges as applicable and get the same reimbursed from buyer if consignment accepted by the Inspecting Officer . For reimbursement seller has to submit proof of payment to Inspection Agency.

Seller/OEM shall send a notice in writing / e-mail to the Inspecting officer / inspection agency specifying the place of inspection as per contract and the Inspecting officer shall on receipt of such notice notify to the seller the date and time when the stores would be inspected. The seller shall, at his own expenses, afford to the Inspecting officer, all reasonable facilities as may be necessary for satisfying himself that the stores are being and or have been manufactured in accordance with the technical particulars governing the supply. The decision of the purchaser representative /inspection authority regarding acceptance / rejection of consignment shall be final and binding on the seller.

The Seller shall provide, without any extra charge, all materials, tools, labour and assistance of every kind which the Inspecting officer may demand of him for any test, and examination, other than special or independent test, which he shall require to be made on the seller's premises and the seller shall bear and pay all costs attendant thereon.

The seller shall also provide and deliver store / sample from consignment under inspection free of charge at any such place other than his premises as the Inspecting officer may specify for acceptance tests for which seller/OEM does not have the facilities or for special/ independent tests.

In the event of rejection of stores or any part thereof by the Inspecting officer basis testing outside owing to lack of test facility at sellers premises, the seller shall, on demand, pay to the buyer the costs incurred in the inspection and/or test. Cost of test shall be assessed at the rate charged by the Laboratory to private persons for similar work.

Inspector shall have the right to put all the stores or materials forming part of the same or any part thereof to such tests as he may like fit and proper as per QAP/governing specification. The seller shall not be entitled to object on any ground whatsoever to the method of testing adopted by the Inspecting officer.

Unless otherwise provided for in the contract, the quantity of the stores or materials expended in test will be borne by seller.

Inspecting officer is the Final Authority to Certify Performance / accept the consignment. The Inspecting officer's decision as regards the rejection shall be final and binding on the seller.

The seller shall if so required at his own expense shall mark or permit the Inspecting officer to mark all the approved stores with a recognised Government or purchaser's mark.

Live Oil Recombination Set Up (1 pieces)

(Minimum 50% Local content required for MII compliance)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Annual Maintenance	
Warranty of required product	1 Year
Annual Maintenance Charges Duration (Post Warranty)	3 Year
Annual Maintenance Charges Frequency	Bi-annually

*Warranty displayed under the AMC/CMC Details section will supersede the warranty displayed under the catalog specification

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Ragini Sarmah	781022, CoEEES, OIL INDIA LIMITED, RUKMINIGAON, G S ROAD, GUWAHATI	1	180

Buyer added Bid Specific Additional Scope of Work

S.No.	Document Title	Description	Applicable i.r.o. Items
1	BEC BRC View	BEC BRC	Live Oil Recombination Set Up(1)

The uploaded document only contains Buyer specific Additional Scope of Work and / or Drawings for the bid items added with due approval of Buyer's competent authority. Buyer has certified that these additional scope and drawings are generalized and would not lead to any restrictive bidding.

Buyer Added Bid Specific Additional Terms and Conditions

1. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and

conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

Additional Clause For Annual Maintenance Charges

- 1.** AMC charges to be indicated as percentage of cost of Product/Equipment quoted for each year after the warranty period.
- 2.** GST shall be included in the AMC Charges quoted.
- 3.** The AMC functionality shall be available in bid only and no direct RA shall be applicable. In case of bid to RA decrement rules shall be applicable on total price inclusive of AMC charges.
 - 3.1** Buyer shall indicate number of years of warranty by selecting option of 1- 10 Years available in the field depending on warranty parameter applicable in category parameters for the equipment. The Seller while participating in Bid/RA will get fields to indicate AMC charges as percentage depending on number of years of AMC selected by Buyer. The following shall be applicable If 5 year AMC selected.
 - 3.1.1** AMC charges for first year after warranty period – Percentage to be indicated- A1.
 - 3.1.2** AMC charges for second year after warranty period – Percentage to be indicated A2.
 - 3.1.3** AMC charges for third year after warranty period – Percentage to be indicated A3.
 - 3.1.4** AMC charges for fourth year after warranty period – Percentage to be indicated A4.
 - 3.1.5** AMC charges for 5th year after warranty period – Percentage to be indicated A5.
 - 3.2** The calculation of AMC Charges shall take in to account of number of years of warranty and duration of AMC as specified while creating bid.
 - 3.3** AMC charges to be indicated for each subsequent year should be same or higher than preceding year.
 - 3.4** The AMC charges shall be offered within range of 3 to 10% of cost of equipment.
- 4.** Since AMC charges are to be paid only later for each year during AMC period , applicable performance guarantee amount after placement of contract shall be based on the cost of product/equipment and not on basis of cost of equipment along with AMC Charges.
- 5.** Performance bank guarantee applicable for AMC is to be submitted at start of the AMC and shall be applicable as 3% on the total contract value including AMC Charges The PBG submitted after award of contract shall be released only after new PBG for the AMC period is submitted and accepted by buyer/consignee after due verification. Bank guarantee for AMC is to remain valid till completion of AMC period plus one year .The bank guarantee for AMC shall be submitted to buyer directly.
- 6.** In case of splitting of quantity product/equipment cost and AMC charges offered by L-1 in the evaluated cost shall be matched by higher quoting eligible bidders on one to one basis .The equipment cost shall be matched and AMC charges shall be matched year to year.
- 7.** The AMC Contract shall be an offline contract to be handled by buyer. The payment of AMC will be made on AMC frequency (as indicated above) basis after satisfactory completion of said period, duly certified by end user and scope of AMC will be as per para 1 above.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---



Live Oil Recombination Set Up

TECHNICAL SPECIFICATION

Item Description: Live Oil Recombination Set Up

1.0 General Features:

The Live Oil Recombination Set up should recombines the right proportions of gaseous and liquid hydrocarbons sampled from separators at reservoir-representative conditions to yield a hydrocarbon mixture closely resembling that of the reservoir.

The apparatus must comprise of a high-pressure, high- temperature recombination cell in which specified volumes of oil and gas solutions are injected by means of a highly precise positive displacement pump. The ratio of oil and gas to be injected is pre-determined by the user using field and/or corrected laboratory data (GOR, oil shrinkage factor and gas compressibility factor). When transferred into the recombination cell, the fluids should be thoroughly mixed with an internal magnetically-driven impeller as well as an external rocking mechanism, heated and pressurized at reservoir temperature and pressure. The process is carried out for a few hours to ensure complete gas dissolution, after which the recombined sample can be can be transferred to a sampling bottle for PVT analysis.

2.0 Scope of Supply

The Live Oil Recombination cell must include the following parts:

- i. A recombination cell jacketed in an insulated heating jacket for temperature control
- ii. A rocking system
- iii. A mixing mechanism inside the cell
- iv. A magnetically-driven stirrer for proper agitation
- v. A bull's eye window to observe the process
- vi. A temperature & pressure display panel
- vii. A moveable chassis.

3.0 Detailed specifications

The units mentioned in Sl. No. 2.0 must conform to the following specifications

3.1 Recombination Cell

The Recombination cell should consist of a stainless steel, high-pressure cylinder equipped with a floating piston to separate the driving fluid from the test fluids, two control valves and an insulated heating jacket.

- i. Pressure : 1000 bar (15,000psi)
- ii. Temperature: 175°C (350°F)
- iii. Capacity: 2,000 cc
- iv. Wetted material: Stainless steel, Viton

3.2 Stirring Mechanism

The Recombination cell should include a stirring mechanism in the sample chamber to enhance sample mixing. Moreover, the cell must also be equipped with a magnetically-driven mixer to provide a thorough, efficient fluid homogenization under pressure and temperature.

3.3 Bull's Eye Window

There should be the provision of a bull's eye window to allow the operator to visualize the recombination process, i.e. the dissolution of the final bubble or droplet condensation during gas condensate studies.

3.4 Instrumentation

There should be provision for monitoring pressure and temperature by an internal pressure transducer and temperature probe. A manometer in the driving chamber must also report the driving fluid pressure.

3.5 Control Panel

The Control Panel should permit the following:

- i. Display temperature and pressure of the test fluid
- ii. Start / stop the stirrer

4.0 Power Supply requirements

230 \pm 10% volts, 50hz AC

5.0 Consumables

Following items required to be supply along with main item for smooth and trouble free operation of the equipment

- i. 5 nos. of recombination cell seal kits
- ii. 3 nos. of Bull 's eye window seal kits
- iii. 1 set of maintenance tools
- iv. 20 m of tubing 1/8"
- v. 20 nos. of ferrules 1/8"

Any other consumable required for smooth running of the equipment for at least 2 years to be included along with main supply.

6.0 Additional Accessories

Following must be supplied in addition to the Live oil Recombination Cell

6.1 Dual Cylinder Pump : 1 set

A dual cylinder pump is required to perform the sample recombination. One cylinder is used to pressurize the recombination cell from the hydraulic side and the second one to transfer the dead oil from the transfer cylinder to the recombination cell. Finally, the recombined oil can be then transferred from the recombination cell to the transfer cell.

The pump must be delivered with the following components:

- a) 2 cylinder from stainless steel
- b) 2 calibrated piston with low friction sealing
- c) 2 driving piston system using brushless motor
- d) 2 pressure sensor
- e) 2 automatic 3-way valves
- f) 2 reservoirs
- g) 1 control panel

The dual cylinder pump should have the following specifications

- i. Working pressure: 10,000 psi
- ii. Volume: 2x500 cc
- iii. Max flow rate: 0.0001 to 70 cc/min
- iv. Wetted parts: Stainless Steel

v. Power requirement: 230 ± 10% volts, 50hz single phase AC

The bidder must quote for any spares and consumables required for smooth running of the Dual Cylinder pump for at least 2 years

6.2 Light Weight Piston Sample Cylinder : 5 sets

These cylinders are required to store the dead oil sample before recombination and the live oil sample after recombination.

The sample cylinder should be a light weight titanium double end floating piston type cylinder designed for the storage and transportation of reservoir fluid samples. The reservoir fluid samples must be isolated from the hydraulic driving fluid by a floating piston that, by virtue of its design minimizes friction and reduces pressure load. Cylinders should be fitted with a single inlet needle valve for the hydraulic driving fluid and a double inlet needle valve for the fluid sample. There should also be provision for agitation of the sample for mixing and optimization of dead volume. The cylinder must be H₂S resistant and mercury free.

A carrying case should also be provided with each cylinder to facilitate transportation.

Specifications:

- i. Capacity: 650 cc
- ii. Filling pressure: 10,000 psi
- iii. Working temperature: Up to 150 °C
- iv. Material of construction : Titanium
- v. Length: 450 mm
- vi. Diameter OD: 70mm
- vii. Weight: Not exceeding 6 kg
- viii. The cylinders should conform to Pressure Equipment directive 2014/68/EU

Each cylinder must be provided with a Redressal kit. Also the tools required for operating the cylinders must also be provided.

6.3 Heating Trolley: 1 set

The heating trolley must be specially designed to heat and maintain at constant temperature, pressurized live oil contained in the Piston sample cylinder. The trolley should be equipped with two heavy duty casters for easy transportation. The cylinder should be wrapped in a heating mantle equipped with a temperature thermostat. A thermocouple probe should measure temperature which is displayed and regulated via a dedicated control panel.

Specifications:

- i. Temperature: Ambient to 200°C
- ii. Temperature accuracy: ±0.1°C
- iii. Wetted parts: Stainless steel
- iv. Power supply: 230 ± 10% volts, 50hz single phase AC

6.4 Gas Shipping Cylinder : 5 sets

The gas cylinder is needed to store the Hydrocarbon gas used for recombination.

Specifications:

- i. Capacity: 20 liters
- ii. Working temperature: 10 to 100 °C
- iii. Filling pressure: 200 bar (2,900 psi) @ 60°C, 170 bar (2,465 psi) @ 100°C

- iv. Construction: Cylinder: Aluminium, Valves: Stainless steel
- v. Valves: Angle needle valve at each end of the cylinder
- vi. Protective end caps: To be provided for protecting the angle needle valves from handling and transportation related damage
- vii. Diameter OD: 25 cm
- viii. Length: Not exceeding 100 cm
- ix. Weight: Not exceeding 26 kg

A carrying case should also be provided with each cylinder to facilitate transportation.

6.5 Gas Booster : 1 set

The Gas Booster is required to compresses and transfers low pressure field gas samples into high pressure cylinders and recombination cell. The device should include manometers, manual valves, an air regulator, filter, high pressure tubing and fitting etc.

Specifications:

- i. Inlet Pressure: 15 to 200 bar
- ii. Outlet pressure: 700 bar (10,000 psi)
- iii. Requirement: air : 10 bar (150 psi), dry

7.0 Maintenance requirement

A maintenance kit comprising of all the tools relevant for usage and repair/maintenance of the Live Oil Recombination Set-up and its accessories to be provided.

8.0 Reliability and Performance Requirements

- i. The life expectancy of the major components of the system should be at least for 10 years.
- ii. Product/service support along with uninterrupted and timely supply of spare parts for at least 10 years for the quoted model must be specifically ensured by the bidders/representatives.

9.0 Warranty & Guarantee

The complete instrument and its accessories should be under warranty for a period of one year from the date of installation. In case of breakdown during the warranty period, a competent service engineer of the supplier should make as many visits as are necessary to rectify the instrument. The supplier should provide any spares required for making the instrument operational.

10.0 Installation & Commissioning

(i) The supplier will be responsible for on-site installation and commissioning of equipment at customer's premises viz. Centre of Excellence for Energy Studies, Oil India Limited, Guwahati, within one month from the date of intimation given to him or his representative regarding readiness of the equipment for installation at the site.

(ii) Pre shipment inspection: Pre shipment inspection shall be carried out by OIL's representative at manufacturer's site. The supplier shall inform OIL at least 2 (two) months ahead for such inspection to enable OIL to send its inspectors. The supplier has to arrange for 2 (two) OIL engineers for inspection and training for a working week. 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. Verification of all material test certificates.
- b. Physical verification/ inspection of all the items/ fittings/ accessories including all Parts Catalogue, Maintenance & Service Manuals together with Operational testing of the equipment. During inspection/ verification, if any faults/ defects on part(s)/

equipment(s)/ accessories have found, supplier have to replace the faulty/ defective items and rectify the same at no extra cost to OIL.

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 will confirm in writing compliance of all the points raised in the inspection report.

f. Supplier will affect dispatch of the unit only on receipt of OIL's dispatch advice.

g. 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 01 (one) week on operation & maintenance, troubleshooting and working principle of the system/ item used in the unit.

(iii) It may be noted that a representative from OEM should visit CoEES, Guwahati during installation/commissioning of the equipment. Bidder shall arrange for to & fro travel to the installation site, local conveyance and boarding & lodging during the installation. All charges shall be borne by the bidder and should be quoted accordingly separately which shall be inclusive of GST and all other taxes including Income Tax/Corporate Tax/ Personal Tax shall be deducted at source.

(iv) A certificate will be issued by the authorized representative of OIL regarding satisfactory installation and commissioning of the equipment and about the system acquaintance by way of work association by the supplier.

11.0 Training

A group (around 5) of scientific staff of OIL should be trained in the operation the instrument and its routine maintenance at site (CoEES) for 5 working days by Application Specialist of OEM after the installation is over.

OIL may also depute its scientific staff for training on the operation and maintenance of the instrument at OEM's factory. Provision should be kept to provide free of cost training to two persons for five days or one person for ten days at OEM's factory. However, to and fro and board and lodging for OIL's staff will be borne by OIL.

12.0 General

The original equipment manufacturer (OEM) should confirm in writing that the spares for the quoted model will be available for a period of ten years after installation of the instrument. In case the OEM is bidding through an Indian agent, the OEM should give a written undertaking that they will be responsible for providing the warranty and annual maintenance as per the clauses above, even if there is a change in the Indian agency of the manufacturer. The undertaking from OEM should also include that, if in future, OEM does not have any Indian agency, the service will be provided directly by the service engineer of the OEM without any extra charge. Printed documents in support of claimed specification should be provided. System should be upgradeable at site for future applications.

13.0 DOCUMENTATION:

All the documents are to be provided in English language.

At the time of offer

(i) Literature in support of the offered equipment: 2 sets.

(ii) List of users worldwide to whom the equipment was sold during the last five years. Required undertaking from Manufacturer

(i) Manufacturer's Certificate: Document evidence such as POs along with invoice / installation report for manufactured and supplied at least 03 units during the last 5 years.

(ii) Manufacturer's Experience: Document evidence such as POs to proof the manufacturing experience of more than 05 years.

At the time of supply.

(i) Certificate of recent manufacture

(ii) Certificate of Warranty

(iii) Certificate of test and inspection with Third Party.

(iv) Operation manual: 2 sets on CD/DVD ROM.

(v) Repair and maintenance manual with all the electric/electronic circuit diagrams: 2 sets

(vi) Parts catalogue: 2 sets.

(vii) Trouble shooting manual with detail blocks diagram and circuit diagram of cards up to component level.

14.0 CONFORMITY TO TENDER SPECIFICATIONS:

14.1 The bidder must fill the Technical Datasheet enclosed with the offer (Annexure - CC)

14.2 The technical specifications must conform to the requirements as mentioned in Specifications.

14.3 The bidder must confirm that the offered unit/goods are newly manufactured.

14.4 The bidder offering other than the specified make of the equipment will be rejected.

14.5 For any bought out item their Catalogue/Technical literature etc. showing sectional drawing of each component along with the necessary maintenance spare parts, identification number etc. shall be provided.

14.6 The bids and the accompanied technical documentation must be in English language only. The bids other than English language must have an English version.

14.7 The technical documents to be submitted along with the bid shall include -

a) Literature with detailed specifications, Make & Model of items.

b) Technical documents & Layout/Process flow diagram of the whole system.

c) Piping & Instrumentation Diagram (P&ID) for Instrumentation and Control System

14.8 The bidder shall quote separately Installation/commissioning cost, if any.

14.9 The bidder must confirm that the offered Live Oil Recombination set-up and its accessories shall perform at the desired level as mentioned in the specifications.

14.10 Bidder's response to all tender stipulations should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model, etc. Generalized response like "As per NIT Specifications/Technical Leaflet", "Noted", "and Accepted" or in any similar fashion is not acceptable.

14.11 The supplier should also submit a list of companies to whom similar systems have been sold and are presently in operation.

NOTE: ALL THE POINTS FROM 1.0 TO 14.0 HAVE TO BE SUPPORTED BY LITERATURE OR CLEARLY STATED ALONG WITH CATALOGUE/ LITERATURE OF THE PRODUCT FOR EVALUATION OF THE BID.

1.0 SPECIAL TERMS & CONDITIONS:

1.1 THREE YEARS AMC OF Live Oil Recombination setup and its accessories.

OIL may decide to go for a Non Comprehensive Annual Maintenance Contract for a period of three years after the warranty period is over. Charges for the Annual Maintenance Contract (AMC) for three years, after the warranty period is over, should be quoted with year-wise break up. These

charges will be used for evaluation purposes only. The AMC requirements are mentioned below. However, the detailed and final scope for the AMC shall be as per contract of AMC at the time of awarding AMC contract.

1.2 SPECIAL TERMS & CONDITIONS:

1.2.1 The AMC shall come into effect after warranty period of the equipment.

1.2.2 The service contract will remain in force for three years w.e.f. date of acceptance of AMC contract.

1.2.3 The job will be certified by HoD, CoEES, OIL India Ltd

1.2.4 The payment will be released after each preventive maintenance visit on the instrument. It shall be certified and verified for the payment by HoD, CoEES, OIL on each of the bill copy.

1.2.5 OIL will not provide any accommodation or to and fro fare to the engineer deputed for preventive and breakdown maintenance.

1.2.6 The service agency will always depute trained service engineers with necessary tools and kits for servicing of instruments.

1.2.7 The bill should be submitted in triplicate in favour of HoD, CoEES, OIL India Ltd, Guwahati, Assam

1.2.8 Non Performance Deductions (NPD):

(i) If Preventive Maintenance is not carried out by the CONTRACTOR within the time schedule as agreed through mutual consent, the NPD shall be made for amount equivalent to 10% of the Annual contract value.

(ii) In case of the Breakdown Maintenance/Repair, contractor's service engineer has to report within one week from the time of sending Phone / Fax / Email to the contractor. In case of failure to report within the stipulated time, NPD shall be made @ ½ % of contract value per week or part thereof for delay in reporting, subject to a ceiling of 7.5% of total one-year contract price.

1.3 COMMITMENTS OF THE SPARES

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

1.3.2 The bidders must provide the commissioning spares at their cost along with the Equipment. They must submit a list of such spares.

1.3.3 Spares list for whole unit for 3-years trouble free operation must be quoted in their bids. The spare list shall contain the details of part nos., name OEM and other details as may be necessary for procurement of the parts quoted. While quoting for these spares the bidders must take in to account the consumption pattern of the spares as deemed fit. However, the same will be not considered for bid evaluation. OIL reserves the right to decide to procure the whole of the quoted spares or part thereof. It is to be noted that the price quoted shall remain firm during this 3(Three)years period. The list will be part of technical Bid.

1.4 TECHNICAL CHECK LIST

The enclosed technical checklist must be completed and returned with bidder's offer. Bidders must ensure that all these points are covered in the offer. Bidders to tick mark in 'Comply' or 'Not Comply' column against each point mentioned and mention the details if not comply.

BID REJECTION CRITERIA / BID EVALUATION CRITERIA

GENERAL CONFORMITY

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 REJECTION CRITERIA (BRC)

(A) TECHNICAL:

1.0 BIDDER'S ELIGIBILITY:

1.1 The bidder should be an Original Equipment Manufacturer (OEM) of the tendered item (s)

OR

1.2 The bidder should be an authorized dealer/authorized distributor/authorized supplier/wholly owned subsidiary of an Original equipment manufacturer (OEM) of the tendered item(s).

2.0 IN CASE THE BIDDER IS AN ORIGINAL EQUIPMENT MANUFACTURER (OEM):

The bidder must comply with the following:

2.1 The bidder (OEM) should have at least 5 (five) years of manufacturing experience of tendered item (Live Oil Recombination Apparatus) preceding to the original Bid Closing date of the tender. Documentary evidence to support the experience (more than 5 years) to be provided in terms of Purchase Order.

2.2 In addition to above, the bidder (OEM) should have supply experience of successfully executed at least three (03) orders of (Live Oil Recombination Apparatus) to various clients (other than their own subsidiaries/sister concerns), either directly by them or through their authorized dealers/distributor/supplier / subsidiaries, during last 5 (five) years preceding to the original bid closing date of the tender.

2.3 Documentary evidences to substantiate manufacturing & supply records must be submitted in the form of copies of relevant Purchase Order(s) and anyone of the following documents evidencing satisfactory execution of those Purchase Order(s), such as:

- (i) Satisfactory supply / completion / installation report (OR)
- (ii) Bill of Lading, Commercial Invoice / Payment Invoice (OR)
- (iii) Consignee receipt delivery receipt (OR)
- (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/ Vat.
- (v) Any other documents which shall prove that the bidder has successfully executed such order (s).

Note: The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.

3.0 IN CASE, THE BIDDER IS AN AUTHORIZED DEALER/ AUTHORIZED DISTRIBUTOR / AUTHORIZED SUPPLIER / WHOLLY OWNED SUBSIDIARY OF OEM:

The bidder must fulfill the following requirements:

3.1 The bidder's OEM (the Principal) should have at least 5 (five) years of manufacturing experience of tendered item (Live Oil Recombination Apparatus) preceding to the original Bid Closing date of the tender. Documentary evidence to support the experience (more than 5 years) to be provided in terms of Purchase Order.

3.2 The bidder's OEM (the Principal) should have supply experience of successfully executed at least three orders of (Live Oil Recombination Apparatus) to various clients (other than their own subsidiaries/sister concerns), either directly by them or through their authorized dealers/distributor/supplier / subsidiaries, during last 5 (five) years preceding to the original bid closing date of the tender.

3.3 Documentary evidences to substantiate manufacturing & supply records must be submitted in the form of copies of relevant Purchase Order(s) and any of the following documents evidencing satisfactory execution of those Purchase Order(s), such as:

- (i) Satisfactory supply / completion / installation report (OR)
- (ii) Bill of Lading, Commercial Invoice / Payment Invoice (OR)
- (iii) Consignee receipt delivery receipt (OR)
- (iv) Central Excise Gate Pass/Tax Invoice issued under relevant rules of Central Excise/ Vat.
- (v) Any other documents which shall prove that the bidder has successfully executed such order (s).

Note:

- a) The Purchase Order date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply should be within 5 (five) years preceding original bid closing date of this tender.
- b) Satisfactory supply/completion/installation report (if submitted) should be issued on client's official letterhead with signature and stamp.

3.4 The bidder shall submit valid Authorization Certificate/Letter issued by its Original Equipment Manufacturer (OEM), confirming the Bidder's status as their authorized supplier / dealer / distributor/wholly owned subsidiary (as the case may be) to sell their products with proper warranty and guarantee back -up. Such authorization certificate/ letter shall be valid for the entire period of execution of the order. Offers shall be rejected straightway, if such authority letter is not submitted along with the technical bid.

NOTES TO BIDDER:

- a. Authorization letter must be issued on the official letter head of the OEM clearly mentioning the status of Bidder i.e., whether 'authorized dealer' or 'authorized distributor' or 'authorized supplier' or wholly owned subsidiary of Original Equipment Manufacturer (OEM), failing which the bid shall not be considered for evaluation and in that case the offer shall be rejected straightway.
- b. Authorization letter issued by the OEM in any other form such as Direct Channel Partner / Indirect Channel Partner / Channel Partner / seller/ Reseller/ Sub Dealer / Sub Distributor/Sister Concern shall not be considered for bid evaluation and the offer shall be rejected.
- c. In case the bidder is a wholly owned subsidiary company of the parent company (OEM), in addition to the authorization letter including warranty/guarantee back-up, the bidder shall also upload/submit the documents such as board resolution / certificate of incorporation / any other legal certificate along with their offer that would establish the relation between the parent company with the subsidiary company without which the bid will not be evaluated and will be rejected straightway.

4.0 Bidders showing supply experience towards supply to its sister concern/ subsidiaries shall not be considered as experience for the purpose of meeting BRC.

5.0 Authorization letter and warranty/guarantee back-up as aforesaid must be issued to the bidder by the Original Equipment Manufacturer (OEM) in their official letter head only. Such certificates/authority letter issued by a party other than the OEM shall not be

considered as valid authorization letter and in such case the bid shall be rejected without any further reference.

6.0 Unsolicited bids shall be straightway rejected.

7.0 Bidder/OEM must submit an undertaking along with the Technical Bid that their offered equipment is not going to become obsolete during the next 5 (five) years from the date of successful installation & Commissioning, if order is awarded on them by OIL and must guarantee uninterrupted supply of spares and availability of services for at least for ten (10) years with effect from the successful installation & Commissioning of the equipment, without which offer will not be considered for evaluation/placement of order.

8.0 DELIVERY PERIOD: Delivery shall be completed within 06 (six) months from the date of receipt of firm Purchase Order. Bidder to confirm the same in their bid. The bidder should categorically confirm in their technical bid that the tendered items will be supplied within the delivery period, without which the bid will be rejected.

ANNEXURE - CC

TECHNICAL DATA SHEET

The check list must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark 'Yes' or 'No' and specify relevant page no. of your bid document where detail or compliance has been confirmed.

S/NO.	PARTICULARS	COMPLIED/NOT COMPLIED	REMARKS /PAGE NO. IN BID/ REFERENCE OF DOCUMENT IN BID
1.0	<u>TECHNICAL SPECIFICATIONS</u>		
	<u>Recombination Cell</u>		
1.1	<u>Recombination Cell</u> The Recombination cell should consist of a stainless steel, high-pressure cylinder equipped with a floating piston to separate the driving fluid from the test fluids, two control valves and an insulated heating jacket.		
1.1.1	Pressure :1000 bar (15,000psi)		
1.1.2	Temperature: 175°C (350°F)		
1.1.3	Capacity:2,000 cc		
1.1.4	Wetted material: Stainless steel, Viton		
	<u>Stirring Mechanism</u>		
1.2	<u>Stirring Mechanism</u> The Recombination cell should include a stirring mechanism in the sample chamber to enhance sample mixing. Moreover, the cell must also be equipped with a magnetically-driven mixer to provide a thorough, efficient fluid homogenization under pressure and temperature.		
	<u>Bull's Eye Window</u>		
1.3	<u>Bull's Eye Window</u> There should be the provision of a bull's eye window to allow the operator to		

	visualize the recombination process, i.e. the dissolution of the final bubble or droplet condensation during gas condensate studies.		
	<u>Instrumentation</u>		
1.4	<u>Instrumentation</u> There should be provision for monitoring pressure and temperature by an internal pressure transducer and temperature probe. A manometer in the driving chamber must also report the driving fluid pressure.		
	<u>Control Panel</u>		
1.5	<u>Control Panel</u> The Control Pane should permit the following: i. Display temperature and pressure of the test fluid		
	ii. Start / stop the stirrer		
2.0	<u>Power Supply requirements</u>		
	230 ± 10% volts, 50hz single phase AC		
3.0	<u>Consumables</u>		
	Following items required to be supply along with main item for smooth and trouble free operation of the equipment		
i.	5 nos. of recombination cell seal kits		
ii.	3 nos. of Bull 's eye window seal kits		
iii.	1 set of maintenance tools		
iv.	20 m of tubing 1/8"		
v.	20 nos. of ferrules 1/8"		
	Any other consumable required for smooth running of the equipment for at least 2 years to be included along with main supply.		
4.0	<u>Additional Accessories</u>		
	Following must be supplied in addition to the Live oil Recombination Cell		
4.1	<u>Dual Cylinder Pump : 1 set</u> A dual cylinder pump is required to perform the sample recombination. One cylinder is used to pressurize the recombination cell from the hydraulic side and the second one to transfer the dead oil from the transfer cylinder to the recombination cell. Finally, the recombined oil can be then transferred from the recombination cell to the transfer cell. The pump must be delivered with the following components:		
a)	2 cylinders from stainless steel		
b)	2 calibrated piston with low friction sealing		
c)	2 driving piston system using brushless motor		
d)	2 pressure sensors		
e)	2 automatic 3-way valves		
f)	2 reservoirs		
g)	1 control panel		

	The dual cylinder pump should have the following specifications		
i.	Working pressure:10000 psi		
ii.	Volume: 2x500 cc		
iii.	Max flow rate: 0.0001 to 70 cc/min		
iv.	Wetted parts: Stainless Steel		
v.	Power requirement: 230 ± 10% volts, 50hz AC		
	The bidder must quote for any spares and consumables required for smooth running of the Dual Cylinder pump for at least 2 years		
4.2	<p><u>Light Weight Piston Sample Cylinder : 5 sets</u></p> <p>These cylinders are required to store the dead oil sample before recombination and the live oil sample after recombination.</p> <p>The sample cylinder should be a light weight titanium double end floating piston type cylinder designed for the storage and transportation of reservoir fluid samples. The reservoir fluid samples must be isolated from the hydraulic driving fluid by a floating piston that, by virtue of its design minimizes friction and reduces pressure load. Cylinders should be fitted with a single inlet needle valve for the hydraulic driving fluid and a double inlet needle valve for the fluid sample. There should also be provision for agitation of the sample for mixing and optimization of dead volume. The cylinder must be H₂S resistant and mercury free.</p> <p>A carrying case should also be provided with each cylinder to facilitate transportation.</p> <p>The cylinders should have the following specifications:</p>		
i.	Capacity:650 cc		
ii.	Filling pressure:10,000 psi		
iii.	Working temperature:Up to 150 °C		
iv.	Material of construction : Titanium		
v.	Length: 450 mm		
vi.	Diameter OD: 70mm		
vii.	Weight: Not exceeding 6 kg		
viii.	The cylinders should conform to Pressure Equipment directive 2014/68/EU		
	Each cylinder must be provided with a Redressal kit. Also the tools required for operating the cylinders must also be provided.		
4.3	<p><u>Heating Trolley: 1 set</u></p> <p>The heating trolley must be specially designed to heat and maintain at constant temperature, pressurized live oil contained in the Piston sample</p>		

	<p>cylinder. The trolley should be equipped with two heavy duty casters for easy transportation. The cylinder should be wrapped in a heating mantle equipped with a temperature thermostat. A thermocouple probe should measure temperature which is displayed and regulated via a dedicated control panel.</p> <p><u>Specifications:</u></p>		
i.	Temperature: Ambient to 200°C		
ii.	Temperature accuracy: $\pm 0.1^{\circ}\text{C}$		
iii.	Wetted parts: Stainless steel		
iv.	Power supply: $230 \pm 10\%$ volts, 50hz single phase AC		
4.4	<p><u>Gas Shipping Cylinder : 5 sets</u></p> <p>The gas cylinder is needed to store the Hydrocarbon gas used for recombination.</p> <p><u>Specifications:</u></p>		
i.	Capacity: 20 liters		
ii.	Working temperature: 10 to 100 °C		
iii.	Filling pressure: 200 bar (2,900 psi) @ 60°C, 170 bar (2,465 psi) @ 100°C		
iv.	Construction: Cylinder: Aluminium, Valves: Stainless steel		
v.	Valves: Angle needle valve at each end of the cylinder		
vi.	Protective end caps: To be provided for protecting the angle needle valves from handling and transportation related damage		
vii.	Diameter OD: 25 cm		
viii.	Length: Not exceeding 100 cm		
ix.	Weight: Not exceeding 26 kg		
	A carrying case should also be provided with each cylinder to facilitate transportation.		
4.5	<p><u>Gas Booster : 1 set</u></p> <p>The Gas Booster is required to compress and transfer low pressure field gas samples into high pressure cylinders and recombination cell. The device should include manometers, manual valves, an air regulator, filter, high pressure tubing and fitting etc.</p> <p><u>Specifications:</u></p>		
i.	Inlet Pressure: 15 to 200 bar		
ii.	Outlet pressure: 700 bar (10,000 psi)		
iii.	Requirement: air : 10 bar (150 psi), dry		
5.0	MAINTENANCE REQUIREMENT		
	A maintenance kit comprising of all the tools relevant for usage and repair/maintenance of the Live Oil Recombination Set-up and its accessories to be provided.		
6.0	RELIABILITY AND PERFORMANCE REQUIREMENTS		

i.	The life expectancy of the major components of the system should be at least for 10 years.		
ii.	Product/service support along with uninterrupted and timely supply of spare parts for at least 10 years for the quoted model must be specifically ensured by the bidders/ representatives		
7.0	Warranty & Guarantee		
	The complete instrument and its accessories should be under warranty for a period of one year from the date of installation. In case of breakdown during the warranty period, a competent service engineer of the supplier should make as many visits as are necessary to rectify the instrument. The supplier should provide any spares required for making the instrument operational.		
8.0	Installation & Commissioning		
i.	The supplier will be responsible for on-site installation and commissioning of equipment at customer's premises viz. Centre of Excellence for Energy Studies, Oil India Limited, Guwahati, within one month from the date of intimation given to him or his representative regarding readiness of the equipment for installation at the site.		
ii.	Pre shipment inspection: Pre shipment inspection shall be carried out by OIL's representative at manufacturer's site. The supplier shall inform OIL at least 2 (two) months ahead for such inspection to enable OIL to send its inspectors. The supplier has to arrange for 2 (two) OIL engineers for inspection and training for a working week. 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) Verification of all material test certificates		
	b) Physical verification/ inspection of all the items/ fittings/ accessories including all Parts Catalogue, Maintenance & Service Manuals together with Operational testing of the equipment. During inspection/ verification, if any faults/ defects on part(s)/ equipment(s)/ accessories have found, supplier have to replace the faulty/ defective items and rectify the same at no extra cost to OIL		

	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 will confirm in writing compliance of all the points raised in the inspection report		
	f) Supplier will affect dispatch of the unit only on receipt of OIL's dispatch advice.		
	g) 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 01 (one) week on operation & maintenance, troubleshooting and working principle of the system/ item used in the unit.		
iii.	It may be noted that a representative from OEM should visit CoEES, Guwahati during installation/commissioning of the equipment. Bidder shall arrange for to & fro travel to the installation site, local conveyance and boarding & lodging during the installation. All charges shall be borne by the bidder and should be quoted accordingly separately which shall be inclusive of GST and all other taxes including Income Tax/Corporate Tax/ Personal Tax shall be deducted at source.		
iv.	A certificate will be issued by the authorized representative of OIL regarding satisfactory installation and commissioning of the equipment and about the system acquaintance by way of work association by the supplier.		
9.0	TRAINING		
	A group (around 5) of scientific staff of OIL should be trained in the operation of the software and the instrument and routine maintenance of the instrument at site for 5 working days by Application Specialist of OEM after the installation is over.		
	OIL may also depute its scientific staff for training on the operation and maintenance of the instrument at OEM's factory. Provision should be kept to provide free of cost training to two persons for five days or one person for		

	ten days at OEM's factory. However, to and fro and board and lodging for OIL's staff will be borne by OIL.		
10.0	GENERAL		
	The original equipment manufacturer (OEM) should confirm in writing that the spares for the quoted model will be available for a period of ten years after installation of the instrument. In case the OEM is bidding through an Indian agent, the OEM should give a written undertaking that they will be responsible for providing the warranty and annual maintenance as per the clauses above, even if there is a change in the Indian agency of the manufacturer. The undertaking from OEM should also include that, if in future, OEM does not have any Indian agency, the service will be provided directly by the service engineer of the OEM without any extra charge. Printed documents in support of claimed specification should be provided. System should be upgradeable at site for future applications.		
11.0	DOCUMENTATION		
11.1	All the documents are to be provided in English language.		
11.2	At the time of offer <ul style="list-style-type: none"> i. Literature in support of the offered equipment: 2 sets. ii. List of users worldwide to whom the equipment was sold during the last five years. 		
11.3	Required undertaking from Manufacturer <ul style="list-style-type: none"> i. Manufacturer's Certificate: Document evidence such as POs along with invoice / installation report for manufactured and supplied at least 03 units during the last 05 years. ii. Manufacturer's Experience: Document evidence to support the experience (more than 5 years) to be provided in terms of POs. 		
	At the time of supply <ul style="list-style-type: none"> i. Certificate of recent manufacture ii. Certificate of Warranty iii. Certificate of test and inspection with Third Party. iv. Operation manual: 2 sets on CD/DVD ROM. v. Repair and maintenance manual with all the electric/electronic circuit diagrams: 2 sets vi. Parts catalogue: 2 sets. 		

	vii. Trouble shooting manual with detail blocks diagram and circuit diagram of cards up to component level.		
12.0	CONFORMITY TO TENDER SPECIFICATIONS		
12.1	The bidder must fill the Technical Datasheet enclosed with the offer (Annexure -CC)		
12.2	The technical specifications must conform to the requirements as mentioned in Specifications		
12.3	The bidder must confirm that the offered unit/goods are newly manufactured		
12.4	The bidder offering other than the specified make of the equipment will be rejected		
12.5	For any bought out item their Catalogue/Technical literature etc. showing sectional drawing of each component along with the necessary maintenance spare parts, identification number etc. shall be provided.		
12.6	The bids and the accompanied technical documentation must be in English language only. The bids other than English language must have an English version.		
12.7	The technical documents to be submitted along with the bid shall include - a) Literature with detailed specifications, Make & Model of items. b) Technical documents & Layout/Process flow diagram of the whole system. c) Piping & Instrumentation Diagram (P&ID) for Instrumentation and Control System		
12.8	The bidder shall quote separately Installation/commissioning cost, if any		
12.9	The bidder must confirm that the offered Live Oil Recombination set-up and its accessories shall perform at the desired level as mentioned in the specifications.		
12.10	Bidder's response to all tender stipulations should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model, etc. Generalized response like "As per NIT Specifications/Technical Leaflet", "Noted", "and Accepted" or in any similar fashion is not acceptable.		
12.11	The priced bid should clearly indicate the following cost break up:		

	<p>a) Cost of the Live Oil recombination set-up and its accessories</p> <p>b) Cost of installation/commissioning, if any.</p> <p>c) Cost of AMC for three years after expiry of warranty.</p>		
12.12	The commercial bid will be evaluated based on the price quoted for 12.11 a), 12.11 b) and 12.11 c) as a whole		
12.13	The supplier should also submit a list of companies to whom similar systems have been sold and are presently in operation.		
13.0	TECHNICAL TERMS & CONDITIONS		
13.1	<p><u>THREE YEARS AMC OF LIVE OIL RECOMBINATION SET-UP AND ITS ACCESSORIES</u></p> <p>OIL may decide to go for Annual Maintenance Contract for a period of three years after the warranty period is over. Charges for the Annual Maintenance Contract (AMC) for three years, after the warranty period is over, should be quoted with year-wise break up. These charges will be used for evaluation purposes only. The AMC requirements are mentioned below. However, the detailed and final scope for the AMC shall be as per contract of AMC at the time of awarding AMC contract.</p>		
13.2	<u>SPECIAL TERMS & CONDITIONS</u>		
13.2.1	The AMC shall come into effect after warranty period of the equipment.		
13.2.2	The service contract will remain in force for three years w.e.f. date of acceptance of AMC contract		
13.2.3	The job will be certified by HoD, CoEES, OIL India Ltd		
13.2.4	The payment will be released after each preventive maintenance visit on the instrument. It shall be certified and verified for the payment by HoD, CoEES, OIL on each of the bill copy		
13.2.5	OIL will not provide any accommodation or to and fro fare to the engineer deputed for preventive and breakdown maintenance.		
13.2.6	The service agency will always depute trained service engineers with necessary tools and kits for servicing of instruments		
13.2.7	The bill should be submitted in triplicate in favour of HoD, CoEES, OIL India Ltd, Guwahati, Assam		
13.2.8	<p><u>Non Performance Deductions (NPD):</u></p> <p>i. If Preventive Maintenance is not carried out by the CONTRACTOR within the time schedule as agreed through mutual consent,</p>		

	<p>the NPD shall be made for amount equivalent to 10% of the Annual contract value.</p> <p>ii. In case of the Breakdown Maintenance/Repair, contractor's service engineer has to report within one week from the time of sending Phone / Fax / Email to the contractor. In case of failure to report within the stipulated time, NPD shall be made @ ½ % of contract value per week or part thereof for delay in reporting, subject to a ceiling of 7.5% of total one-year contract price.</p>		
13.3	<u>COMMITMENTS OF THE SPARES</u>		
13.3.1	The bidders must submit a written undertaking that they would be able to supply all the requisite spares and consumables for a minimum period of 10 (ten) years from the Certified date of completion/successful field commissioning of the unit.		
13.3.2	<u>The bidders must provide the commissioning spares at their cost along with the Equipment.</u> They must submit a list of such spares.		
13.3.3	<u>Spares list for whole unit for 3-years trouble free operation must be quoted in their bids.</u> The spare list shall contain the details of part nos., name OEM and other details as may be necessary for procurement of the parts quoted. While quoting for these spares the bidders must take in to account the consumption pattern of the spares as deemed fit. <u>However, the same will be not considered for bid evaluation.</u> OIL reserves the right to decide to procure the whole of the quoted spares or part thereof. It is to be noted that the price quoted shall remain firm during this 3(Three) years period.		
	<u>TECHNICAL CHECK LIST</u>		
13.4	The enclosed technical checklist (supplied in Hard Format) must be completed and returned with bidder's offer. Bidders must ensure that all these points are covered in the offer. Bidders to tick mark in 'Comply' or 'Not Comply' column against each point mentioned and mention the details if not comply.		