

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

Telephone No. (91-374) 2800491

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

Tender No. & Date : SDG6129P15/09

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 OF CRUDE OIL COMPOSITION ANALYSER FOR DETAIL ANALYSIS OF HYDROCARBON COMPONENTS IN CRUDE OIL , CONDENSATE & GAS AS PER THE FOLLOWING ANNEXURE: 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.

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 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 R
 RFX Owner WIPRO_TEST1 Total Value 0.00 INR

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

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 O
 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			

Go to this Tab "Technical RFX Response" for Uploading "Techno-commercial Unpriced Bid".

Go to this Tab "Notes and Attachments" for Uploading "Priced Bid" files.

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 | Verif

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

▼ Notes

Add | Clear

Assigned To	Category	Text Preview
The table does not contain any data		

▼ 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						

Bid on "EDIT" Mode

Area for uploading Techno-Commercial Unpriced Bid*

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 OF CRUDE OIL COMPOSITION ANALYSER FOR
DETAIL ANALYSIS OF HYDROCARBON COMPONENTS IN CRUDE OIL,
CONDENSATE & GAS.**

QUANTITY : 1 NO.

1.0 SCOPE & APPLICATION:

The oil analyser should be able to analyse

1.1 Analysis of crude oil samples for complete hydrocarbon components from low end components (Detailed Hydrocarbon Analysis C1-C9) as per ASTM D7169 Annexure X1 and SimDis analysis (from C5 to C99+) as per ASTM 7169. Software should integrate the output of both analyses to get complete crude oil analysis (Carbon number profiling). The output should give mole fractions of carbon numbers from C1 to C20 and lumped C20+. The analysis should take into account all the eluting compounds. Given software should also give the complete distillation profile.

1.2 Analysis of condensate samples (without residue) for complete hydrocarbon components having carbon number upto C25. Software should give the mole fractions of carbon numbers from C1 to C20 and lumped C20+. The analysis should take into account all the eluting compounds. Given software should also give the distillation profile.

2.0 GENERAL FEATURES:

2.1 The equipment should be complete and fully functional in all respects.

2.2 The Analysers (GC) should be microprocessor based Gas Chromatographic system with modular design, built in control panel with LCD/LED display and key board or touch screen or setting & control of all the operation, detector parameters, temperature programming as well as method creation and storage with battery backup.

2.3 The system should have an exhaustive auto-diagnostics including status of GC controls, memory checks, probe checks, pneumatics checks, heated zones and online diagnostics during analysis with immediate warning messages and display.

2.4 Analysis of crude oil samples for complete hydrocarbon components from low end components (Detailed Hydrocarbon Analysis C1-C9) as per ASTM D7169 Annexure X1 and SimDis analysis (from C5 to C99+) as per ASTM 7169. Software should integrate the output of both analyses to get complete crude oil analysis (Carbon number profiling). The output should give mole fractions of carbon numbers from C1 to C20 and lumped C20+. The analysis should take into account all the eluting compounds. Given software should also give the complete

distillation profile. Analysis of condensate samples (without residue) having carbon number up to C25. Given Software should calculate the mole fractions of carbon numbers from C1 to C20 and lumped C20+. The analysis should take into account all the eluting compounds. Given software should also give the distillation profile.

2.5 The analysers must have independent temperature control for all the heated compartments such as oven, injector and detectors etc.

2.6 It should have facility for automatic background corrections to take care of baseline drift.

2.7 All the wetted and non-wetted parts should be corrosion resistant as well as of rust proof.

2.8 The system should be fully factory Tested and the machine should be H₂S resistance.

2.9 Fully License Software with License Sticker/ Number should be quoted for each Computer

3.0 TECHNICAL FEATURES:

3.1 Overview of Crude Oil Analyser:

3.1.1 The analyser should be able to analyse complete hydrocarbon components present in oil ranging from low end components (front end DHA C1-C9) to higher end components (SIMDIS analysis for C5-C99+).

3.1.2 The output of both the analysis should be integrated to get a complete crude oil analysis (carbon number profiling). The output should give mole fractions of carbon numbers from C1 to C20 and lumped C20+. The analysis should take into account all the eluting compounds.

3.1.3 The analysers should be designed to simulate the actual physical distillation of petroleum products as per the American Society for Testing and Materials approved methods (ASTM D 7169).

3.1.4 The front end DHA should have column as per ASTM D7169 Annexure X1, The higher end fraction should be back flush through Prefractionator inlet or swafer or Dean Switch as prescribed in ASTM D7169 Annexure X1.

3.1.5 The system should produce the DHA Data for C1 – C9+ as per ASTM D 7169 Annexure X1. DHA Software should be provided.

3.1.6 It should have dedicated reference crude oil standard sample to establish and validate Crude Oil merge using DHA Front End and HT SIMDIS Analyzer.

3.1.7 It should have cryogenic cooling system using Liquid CO₂.

3.2 High temperature SimDis

3.2.1 A) Column oven:

Temperature range: - 40 to 450 °C with cryogenic accessories.

The column should have programming facility for a minimum of 3 ramps. The oven temperature in 10C increment up to 4500C.

Oven temperature rate: 100 Deg C/min or more

There should be overheating protection circuits and Liquid CO₂ Cooling facilities.

3.2.1 B) Injector port: 1 no

PTV injector with liner or programmable on column injector/temperature programmable injector.

3.2.1 C) Detectors: - FID 1 no

The instrument should have suitable FID having the minimum following specification:

i) Operating temperature range: up to 400°C in 10C increment

ii) Linear dynamic range: min 10⁶

iii) Minimum detectable limit: 3pg C/s or less

iv) Automatic flame-out detection and flame re-ignition

The instrument should have full electronic flow control for all gases and should give flame out warning and should have automatic flame ignition facility.

3.2.1 D) Column: As per ASTM 7169 along with guard column if it is on column injection

3.2.1 E) Liquid Auto sampler:

Auto sampler to inject the sample into on-column / Liner

Sample capacity 15 vials or more

Should have different injection Speed

Should have Wash and Waste vials for cleaning of syringe.

3.2.2 SimDis Software: Licensed copy, latest version

Boiling Distribution report as per ASTM 7169

Reporting of residue in percent as per ASTM 7169

The output should give mole fractions of carbon numbers from C₅ to C₂₀ and lumped C₂₀+. The analysis should take into account all the eluting compounds.

ASTM methodologies to include: D6352, D7500 and D7169.

3.3 DHA Front End Analyser:

Analyser should have DHA with Front End facility of back flushing the C₉ and above as per ASTM D7169 Annexure X1. Also analysis of condensate samples (without residue) having carbon number up to C₂₅.

3.3.1 A) Column oven in DHA:

Temperature range: -40 to 4500C with cryogenic accessories.

The column should have programming facility for a minimum of 3 ramps. Oven temperature in 10C increment up to 450 0C.

Oven temperature program 100 Deg C/min or more

There should be overheating protection circuits and CO2 Cooling facilities.

3.3.1 B) Injector port/s: Split/Splitless Inlet/PTV

3.3.1 C) Detector/s: - FID

i) Operating temperature range: up to 400°C in 1 0C increment

ii) Linear dynamic range: min106

iii) Minimum detectable limit: 3pg C/s or less

iv) Automatic flame-out detection and flame re-ignition

3.3.1 D) Column/s:

1) As per ASTM 7169 Annexure X1

2) Column/s for analysis of the condensate sample, if required

3.3.1 E) Liquid Auto sampler:

Auto sampler to inject the sample into the columns to be supplied with the system.

Sample capacity 15 vials or more

Should have different injection Speed

Should have for Wash and Waste vials for cleaning of syringe

3.3.1 F) Prefractionator Inlet /Swafer/Dean Switch:

Back flushing the higher fraction above C9 for front end application should be done by Swafer or Dean Switch or Prefractionator Inlet. Pre-configured and tested at factory.

3.4 Software for Analyser Licensed copy, latest version

Meets methodology requirements as described in ASTM Methods D5134, D6729, D6730 and D6733, ASTM D7169 Annexure X1

Quick database creation Reporting of Vapor pressure Detection of Oxygenate content Reporting of relative density

Reporting of Average molecular weight Calculated research octane number

Reporting of % carbon, % hydrogen

Reporting of Mass % and Volume % multi substituted ring aromatics

TBP True boiling-point distribution

Weight%, Volume %, Mole% of types by carbon number

Weight%, Volume%, Mole% of individual components

Gas chromatographic method for analysis of condensate sample.

3.5 Merge Software Licensed copy, latest version:

The merge software should be able to Merge the data of front End DHA C1- C9 and SimDis C9-C100 and produce the boiling point distribution. Reference Crude Oil standard sample results to establish Merge Principle and validate the Crude Oil Analysis.

The output should also give mole fractions of carbon numbers from C1 to C20 and lumped C20+ including residue (whole crude oil). The analysis should take into account all the eluting compounds.

3.6 Data System:

Latest 32-bit software should be Windows 7 or higher operative.

Only Original Full version license software from the original manufacturer should be supplied along with the system. No upgrade part number should be quoted.

The separate Main software license for the SIMDIS and DHA Analyser

The software should have all the operating controls for running the analysers.

The vendor should provide the original software license certificate from the original manufacture.

The vendor should provide the latest version of the software along with the instruments and should provide guarantee for the free replacement of the same if new version of the software is introduced within the warranty period

The software should carryout simultaneous analysis and report generation

The report should have the chromatogram and the concentration of the individual components.

The vendor should provide MNC brand computer with an industry standard Intel i5 or better, 3 GB RAM, 500 GB DD, Windows 7 operating system or higher along with virus protection software, 19" TFT monitor and Laser jet color printer.

4.0. Standards and Certified Reference Materials

The Analyser should come with the following standards.

4.1 For High Temp. SIMDIS:

- * Boiling Point Calibration Standards C5 to C28, C6 to C44, 10 ml each
- * Boiling Point Calibration Standards (C20-C120), 10 g.
- * D2887 Reference Gas Oil (Light fraction), 10 ml
- * Reference Gas Oil 5010 (Heavy fraction), 10 ml
- * Reference crude oil standard sample to establish Merge Principle and validate the Crude Oil Analysis. 10 ml.
- * All the standards should have minimum 1 year validity.
- * Any other standard required.

4.2 For DHA Front End Analyzer

- n-Paraffin, isoparaffins, aromatics, olefins, naphthenes, Naptha mix mixture (0.1 ml*2 vials),
- ASTM D6730 Mix (1ml * 2) and other necessary column evaluation standard
- Peak Identification Standard, Naphtha Standard to establish back flush of pre fractionator inlet etc. (5 vials)

- Any other standard required.

5.0 Essential accessories:

5.1 Spares and Consumables: (Price will be part of techno-commercial bid)

The vendor should quote list of consumables listed below and all the spare parts required for smooth functioning of the equipment at least for two year. The vendor should clearly mention spare parts number, their description and unit price along with utility.

Material: Vender to ensure that material of construction offered for equipment shall be compatible with specified operating conditions and parameters and shall be suitable for intended service except as required or prohibited by data sheet or relevant code & standards.

5.1.1 Consumable for SimDis:

1. All necessary consumable to run for minimum 2 year.
2. Installation Kit (Nuts, ferrules, tubing, connectors etc.).
3. Spare SimDis Column – 1 no.
4. Suitable Vials & Caps for crude oil analysis–300 nos
5. Autosampler Vial Holder 2 nos
6. Syringe – 3 nos
7. Snoop leak detection solution (2 bottles
8. Tool kit

5.1.2 Consumables for DHA

1. All necessary consumable to run for minimum 2 year.
2. Spare tuned Column - 1 no
3. Vials, Septa(PTFE Silicon), Cap – 300 nos
4. Syringe – 3 nos
5. FID Tool
6. Installation Kit (Nuts, ferrules, tubing, connectors etc.).
7. Electronic Flow meter
8. Tool kit

6.0 MISCELLANEOUS:

6.1 Literature, Manual, Drawings & Other relevant Documents etc:

6.1.1 Along with offer:-

- i) Technical literature/brochures supporting specifications – 2 sets
- ii) Parts catalogue with or without price list – 2 sets

6.1.2 Along with Supply: - Hard copies of following

- i) Technical literature - 2 set
- ii) Operational Manual – 1 set

- iii) Maintenance manual – 1 set (Having detailed circuit diagram and system Integration details)
- iv) Accessories catalogue – 1 set
- v) Demonstration CD, if any – 2 set
- vi) Back up copy of software

6.2 Warranty certificates:

6.2.1 Warranty certificate to be furnished along with the offer of the equipment. Warranty period should be one year from the date of satisfactory commissioning of the equipment at designated place.

6.2.2 The manufacturer shall ensure good workmanship and adequate design of the appliance to withstand all operational stress and strain. If any defect in manufacturing, material or workmanship is noticed within the warranty period, then the supplier shall depute his representative to repair or replace the defective part of the equipment, whichever is deemed necessary at their own cost.

6.2.3 The repair work/replacement of the defective parts is to be ensured within one week from the date of intimation by the OIL to the vendor. For any delay beyond 7 days, the warranty period shall be extended correspondingly.

6.3 After Sales Service & Spares:

6.3.1 The OEM shall provide the maintenance, services, calibration facilities in India for the equipment and its associated accessories/assemblies/sub-assemblies under the contract, if awarded by OIL.

6.3.2 The bidder shall indicate the source of their bought out items and also the names of the original equipment manufacturer (OEM). The OEM shall guarantee the supply of spares for minimum 10 years for all the items under the package to be supplied under the contract, if awarded by OIL.

6.3.3 The OEM shall undertake to enter in to AMC for minimum 05 years for all the items under the package to be supplied under the contract, if awarded by OIL.

6.3.4 The equipment should be covered under minimum one year warranty from the date of satisfactory commissioning against any manufacturing defects and malfunctioning.

6.3.5 Each quotation should be accompanied by a detailed technical catalogue containing salient features of the technical details.

6.3.6 The supplier should be responsible for onsite complete installation of the equipment as per manufacturer laid guidelines, with demonstration to be provided with standards. The supplier should provide all necessary standards, connections, lines etc. Gas cylinders with purification assembly will be provided by Chemical Department, Oil India Limited.

6.4 Manufacturing Test & Performance test Certificate along with the equipment.

6.5 Packing: Item should be strictly packed in sturdy, durable & weather proof packing to avoid any transit damage.

6.6 Inspection Procedure:

i. The Crude Oil composition analyser may be subjected to inspection & testing before despatch at the purchaser's discretion, but such inspection shall not relieve the supplier from his responsibility to ensure that the equipment supplied is free from the manufacturing or other defects and confirm to correct specifications.

ii. Pre dispatch inspection of the Crude Oil composition analyser shall be carried out by OIL's team comprising of 02 (two) nos. of officers at the manufacturer's works. The supplier will have to carry out all analysis to demonstrate capability of the equipment to analyse crude oil and condensate as per requirements indicated in clause 1.1 & 1.2 of Technical specification to the satisfaction of the inspection team. Necessary expenses for the inspection team will be borne by OIL. All other appliances, apparatus, samples, standards etc. required for the operations and testing of the composition analyser should be provided by the supplier at his cost.

The supplier shall intimate OIL for pre despatch inspection at least 2 (two) months prior to the inspection date.

7.0 NAME PLATE/ MARKING DETAILS:

Following information shall be securely stamped/stenciled on the body of the equipment /item or through a metallic plate tagged on the face of the equipment/item. The Equipment shall permanently be & legibly stamped with the following information:

7.1 Manufacturer's Name:

7.2 Model No.:

7.3 Serial No:

7.4 Year of Manufacture:

7.5 Any other relevant information

8.0 Annual Maintenance Contract (AMC):

The bidder shall quote comprehensive AMC as per the following clauses which shall be considered for bid evaluation.

8.1 The Nature of AMC is Comprehensive AMC. The cost of spares required for maintaining the equipment shall be in bidder's scope without any additional price implication to OIL. Bidder has to maintain ready stock available to meet any breakdown due to failure of components.

8.2 The bidder has to provide onsite comprehensive AMC service for supplied equipment including software if any for 5 (five) years. Party will quote their rate for AMC charges for the **first two years** only, and for the subsequent years ,the rate will be escalated(only positive escalation will be considered) as per CPI(All India Average) by giving effect after one year from the due date of revision of Rate as per Contract". Say, if the due date of revision of Rate as per Contract is wef

01.01.2015, the CPI of Annual Average Rate of 2015 will be applicable and the Rate will be revised as on 31/12/2015 by applying the CPI of that year. Arrear payment will be made for the enhanced amount for the whole year.

8.3 Contractual Period: In case OIL exercises the option to enter into comprehensive AMC with the bidder, a separate contract agreement shall be made between the bidder and OIL for the AMC after completion of warranty period.

8.4 Types of visit: There will be two types of visit to OIL site - Normal and call on visit. One competent engineer from the bidder has to visit Duliajan at least once in 6 months for preventive and corrective maintenance of all supplied equipment including software upgradation.

8.5 Normal (Preventive) visit: To check the normal healthiness of the system and attending problem reported by OIL. Also vendor to carry out any software upgradation or configuration of existing hardware/software, if felt necessary, as per OIL's requirement. Such a visit shall be planned on a mutually agreed schedule.

8.6 Call on visit: To attend any emergency situation reported by OIL, vendor shall mobilize their competent engineer to OIL site within one week of the intimation.

8.7 Accommodation: Cost of all visits (including transport to and from Duliajan and accommodation at Duliajan) by bidder's personnel for AMC related work shall have to be borne by the successful bidder.

8.8 Local conveyance shall be provided by OIL at Duliajan.

8.9 Payment terms: Pro rata basis against the submitted invoice after the completion of each visit.

9.0 General Notes for Bidders - Commercial

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

1.0 Materials shall be brand new, unused & of prime quality.

2.0 The Bidder shall warrant that in the event of an order, all product(s) supplied shall be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with the applicable codes and specification. Bidder should confirm the same while quoting.

3.0 Bidder should indicate the name of manufacturer & country of origin

4.0 **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 Bidder/Seller's account.
- (iii) Income Tax on the value of the Services rendered by the Bidder /Seller in connection with installation/ commissioning, AMC etc. shall be deducted at source from the invoices at the appropriate rate under the I.T. Act & Rules from time to time.

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

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

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

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

BID REJECTION CRITERIA / BID EVALUATION CRITERIA**BID REJECTION CRITERIA (BRC)**

The bid shall conform generally to the specifications and terms and conditions (note) given in the Bidding Documents. Bids will be rejected in case the item(s) offered do not conform to the required parameters stipulated in the technical specification and to the respective international / national standards wherever stipulated. Notwithstanding the general conformity of the bid to the stipulated specifications, the following mandatory requirements will have to be particularly met by the bidders without which the same will be considered as non-responsive and rejected.

A. TECHNICAL**1.0 Bidder's Qualification**

1.1 Bidder shall be an Original Equipment Manufacturer (OEM).

OR

The bidder shall be an authorized dealer of OEM.

2.0 Bidder's Experience

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

i) The bidder (OEM) shall have minimum experience of 5 (Five) years preceding from the bid closing date of this tender in manufacturing, assembling, supplying & execution of GC based DHA+SIMDIS systems.

ii) The bidder shall have also credentials for successful execution of orders for supplying not less than 02 numbers of similar units to Oil & Gas Industries during the currency of last 05 (five) years from the bid closing date of this tender.

2.2 In case the Bidder is a Supplier / dealer, authorized by an Original Equipment Manufacturer (OEM), the following criteria shall be met by the Bidder:

i) The Bidder shall furnish an Authorization Certificate in original from GC based DHA+SIMDIS systems manufacturer, confirming the Bidder's status as their authorized supplier / dealer to sell their products to OIL INDIA LIMITED with back-up warranty and guarantee from GC based DHA+SIMDIS systems manufacturer (OEM) to quote for this tender.

ii) The Bidder shall supply GC based DHA+SIMDIS systems produced by the Original Equipment Manufacturer (OEM) who meets the experience requirements stipulated under clause 2.1 (i) and (ii) above.

iii) The bid shall be rejected in case of any change of the proposed OEM after submission of the bid.

2.3 Supporting Documents:

a) Supporting documentary evidence in respect of the above must be submitted along with bid in the form of copies of relevant Purchase Order together with copies of tax invoice, Bill of Lading (or consignment Note) and successful commissioning report in respect of satisfactory execution of each of those Purchase Order.

b) Possession of a supply order without complete execution or partially completed order will not be considered as previous experience of the bidder with respect to the Bidder's Experience criteria.

c) In support of the experience as noted in Para 2.1 (i) & (ii), 2.2 (ii) above, the bidder shall submit the following documents.

i) Copy of the Purchase Order showing equipment details, Date of order, Delivery Date etc.

ii) Commissioning report from the clients

d) In support of clause nos. 2.2 (i) authorization certificate (in original) from the OEM shall be enclosed.

Note: All The above mentioned documents shall be in the name of the bidder.

3.0 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.

(B) COMMERCIAL :

1.0 Bids are invited under Single Stage Two Bid System. Bidders shall quote accordingly under Single Stage Two Bid System. Please note that no price details should be furnished in the Technical (i.e. Unpriced) bid. The "Unpriced Bid" shall contain all techno-commercial details except the prices which shall be kept blank. The "Priced Bid" must contain the price schedule and the bidder's commercial terms and conditions. Bidder not complying with above submission procedure will be rejected.

2.0 **Bid security of US \$ 5,500.00 or Rs. 2,48,000.00** shall be furnished as a part of the TECHNICAL BID (refer Clause Nos.9.0 & 12.0 (Section A) of "General Terms & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders)). **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 & Conditions" for e-Procurement as per Booklet No. MM/GLOBAL/E-01/2005 for E-procurement (ICB Tenders). The Bid Security shall be valid for one year from the date of tender opening i.e, valid upto 07.04.2016.

3.0 Validity of the bid shall be minimum 180 days from Bid closing date. Bids with lesser validity will be rejected.

- 4.0 The prices offered will have to be firm through delivery and not subject to variation on any account. A bid submitted with an adjustable price will be treated as non-responsive and rejected.
- 5.0 Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids received after the bid closing date & time will not be considered.
- 6.0 Bidders shall quote directly and not through Agents in India. Offers made by Indian Agents on behalf of their foreign principals will be rejected. Similarly offers from unsolicited bidders will be rejected.
- 7.0 The bids will be rejected straightway if it does not conform to any one of the “Non-negotiable” points mentioned below.
- (a) Validity of bid shorter than the validity indicated in the tender.
 - (b) Original bid security not received within the stipulated date and time mentioned in the tender.
 - (c) Bid security with (i) Validity shorter than the validity indicated in the tender and/or (ii) Bid Security amount lesser than the amount indicated in the tender.
 - (d) In case the party refuses to sign Integrity Pact.
- 8.0 Bids containing incorrect statement will be rejected.
- 9.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.
- 10.0 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 receipt/acceptance of goods or 18 months from the date of shipment whichever is earlier. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.
- 11.0 Bidders are required to submit the summary of the prices in their commercial bids as per bid format (Summary), given below :

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

- (A) Total material value of the Unit
- (B) Cost of Essential Accessories as per para 5.0 of Annexure-I
- (C) Grand Total Material Cost, (A + B)
- (D) Packing & FOB Charges
- (E) Total FOB Port of Shipment value, (C + D) above
- (F) Ocean Freight Charges upto Kolkata, India
- (G) Insurance Charges
- (H) Total CIF Kolkata value, (E + F + G)
- (I) Installation & Commissioning charges, if any
- (J) AMC charges for 1st year
- (K) AMC charges for 2nd year
- (L) Total AMC charges for 2 years

- (M) Total Value, (H +I + L) above
- (N) Total value in words :
- (O) Gross Weight :
- (P) Gross Volume

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

- (A) Total material value of the Unit
- (B) Cost of Essential Accessories as para 5.0 of Annexure-I
- (C) Grand Total Material Cost, (A + B)
- (D) Packing and Forwarding Charges
- (E) Total Ex-works value
- (F) Excise Duty, (Please indicate applicable rate of excise duty)
- (G) Sales Tax, (Please indicate applicable rate of Tax)
- (H) Total FOR Despatching station price, (E + F + G)
- (I) Road Transportation charges to Duliajan
- (J) Insurance Charges
- (K) Total FOR Duliajan value, (H + I + J)
- (L) Installation & Commissioning charges, if any
- (M) AMC charges for 1st year
- (N) AMC charges for 2nd year
- (O) Total AMC charges for 2 years
- (P) Total Value, (K + L + O) above
- (Q) Total value in words :
- (R) Gross Weight :
- (S) Gross Volume :

NOTE :

1. Cost of individual items must be quoted separately.
2. 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.

- 12.0 Installation/Commissioning charges and AMC charges must be quoted separately on lumpsum basis which shall be considered for evaluation of the offers. These charges should include amongst others to and fro fares, boarding/lodging, local transport at Duliajan and other expenses of supplier's commissioning/maintenance personnel during their stay at Duliajan, Assam(India).

Bidders must categorically indicate the above charges in their commercial offers and must confirm the same in their Technical bids.

- 14.0 **Offers received without Integrity Pact duly signed by the authorised signatory of the bidder will be rejected.**

(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. COMMERCIAL :

- 1.0 The evaluation of bids will be done as per the Commercial Bid Format (SUMMARY) detailed vide Para 11.0 of BRC.
- 2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.
- 3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids and final decision exceed 3(three) months, then B.C. Selling(Market) rate of exchange declared by SBI on the date prior to the date of final decision shall be adopted for conversion and evaluation.
- 4.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under, subject to corrections / adjustments given herein.
- 4.1 When only foreign bidders 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
- (B) Cost of Essential Accessories as per para 5.0 of Annexure-I
- (C) Grand Total Material Cost, (A + B)
- (D) Packing & FOB Charges
- (E) Total FOB Port of Shipment value, (C + D) above
- (F) Ocean Freight Charges upto Kolkata, India
- (G) Insurance Charges @ 1% of Total FOB Value vide (E) above
- (H) Banking Charges @ 0.5% of Total FOB Value vide (E) 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) above
- (J) Installation & Commissioning charges, if any
- (K) Total AMC charges for 2 years
- (L) Total Value, (I + J + K) above
- (M) Total value in words :

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

- 4.2 When only domestic bidders are involved or when more than one domestic bidders are in contention in case of mixed response :

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

- (A) Total material value of the Unit
- (B) Cost of Essential Accessories as para 5.0 of Annexure-I
- (C) Grand Total Material Cost, (A + B)
- (D) Packing and Forwarding Charges
- (E) Total Ex-works value
- (F) Excise Duty, (Please indicate applicable rate of excise duty)
- (G) Sales Tax, (Please indicate applicable rate of Tax)
- (H) Total FOR Despatching station price, (E + F + G)
- (I) Road Transportation charges to Duliajan
- (J) Insurance Charges @0.5% of Total FOR Despatching Station Value (H) above
- (K) Total FOR Duliajan value, (H +I +J)
- (L) Assam Entry tax
- (M) Installation & Commissioning charges, if any
- (N) Total AMC charges for 2 years
- (O) Total Value, (K + L + M +N) above
- (P) Total value in words :

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

4.3 When both foreign and domestic bidders 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 4.2 above and Total Value of the foreign bidder worked out as per Para 4.1 above will be compared. No price preference will be allowed to indigenous bidders except that for capital goods, the domestic manufacturers would be accorded a price preference to offset CST to the extent of 4 % or actuals, whichever is less subject to 30 % local content norms as stipulated for World Bank Funded project to the satisfaction of OIL. When more than one domestic bidders fall within price preference range, inter-se-ranking will be done on Total Value basis.

Note: If the Government of India revises these evaluation criteria the same as applicable on the bid closing date will be adopted for evaluation of the offers.

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

CHECK LIST**(A) TECHNICAL**

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.

Any difference in specification elsewhere in the tender, the specification of the check list shall be treated as final.

SIN o.	<u>PARAMETERS/ REQUIREMENT</u>	BIDDER'S OFFER (TO INDICATE YES or NO)	REMARK S, IF ANY
1.	Detailed Hydrocarbon Analysis (C1-C9) as per ASTM D7169 Annexure X1(as per clause 1.1 of specs)	(Yes / No)	
2.	SimDis analysis(from C5 to C99+) as per ASTM 7169(as per clause 1.1 of specs)	(Yes / No)	
3.	Whether the software can integrate the output of both analysis to get complete crude oil analysis.	(Yes / No)	
4.	Analysis of condensate samples(without residue)for complete hydrocarbon components having carbon no. upto C25 (as per clause 1.2 of specs)	(Yes / No)	
	Whether the software output give mole fraction of carbon numbers from C1 to C20 and lumped C20+ and complete distillation profile integrating data from both DHA & SIMDIS	(Yes / No)	
5.	Exhaustive autodiagnosics facility(as per clause 2.3 of specs)	(Yes / No)	
6.	Temperature control(as per clause 2.5 of specs)	(Yes / No)	
7.	Corrosion resistance and H ₂ S resistance(as per clause 2.7 and 2.8 of specs)	(Yes / No)	
8.	High Temperature SimDis		
	i) Column oven(as per clause 3.2.1 A of specs)	(Yes / No)	
	ii) Injector port(as per clause 3.2.1 B of specs)	(Yes / No)	
	iii) Detectors(as per clause 3.2.1 C of specs)	(Yes / No)	
	iv) Column(as per clause 3.2.1 D of specs)	(Yes / No)	
	v) Liquid Auto sampler(as per clause 3.2.1E of specs)	(Yes / No)	
	vi) SimDis software(as per clause 3.2.2 of specs)	(Yes / No)	

9.	DHA Front End analyser		
	i) Column oven(as per clause 3.3.1 A of specs)	(Yes / No)	
	ii) Injector port(as per clause 3.3.1 B of specs)	(Yes / No)	
	iii) Detectors(as per clause 3.3.1 C of specs)	(Yes / No)	
	iv) Column(as per clause 3.3.1 D of specs)	(Yes / No)	
	v) Liquid Auto sampler(as per clause 3.3.1E of specs)	(Yes / No)	
	vi) PrefractionatorInlet(as per clause 3.3.1F of specs)	(Yes / No)	
	vii) DHA software(as per clause 3.4 of specs)	(Yes / No)	
10.	Merge Software licensed copy(as per clause 3.5 of specs)	(Yes / No)	
11.	Data system for SimDis and DHA(as per clause 3.6 of specs)	(Yes / No)	
12.	Standards and certified reference materials		
	a) For High Temp.SimDis(as per clause 4.1 of specs)	(Yes / No)	
	b) For DHA(as per clause 4.2 of specs)	(Yes / No)	
13.	Consumables		
	a) For SimDis (as per clause 5.1.1 of specs)	(Yes / No)	
	b) For DHA (as per clause 5.1.2 of specs)	(Yes / No)	
14	After sales Service & Spares.		
	a) Supply of spares for minimum ten years(as per clause 6.3.2 of specs).	(Yes / No)	
	b) AMC for minimum ten years(as per clause 6.3.3 of specs).	(Yes / No)	
	c) One year warranty(as per clause 6.3.4 of specs).	(Yes / No)	
	d) Quotation(as per clause 6.3.5 of specs).	(Yes / No)	
	e) Installation of equipment(as per clause 6.3.6 of specs).	(Yes / No)	
	e) Manufacturing test and performance test certificate(as per clause 6.4 of specs).	(Yes / No)	

In addition to the above the bidder shall fulfill the following BRC/BEC

15	BRC/BEC		
	a) Bidders qualification(as per point 1.1 under Technical of BRC/BEC)	(Yes / No)	
	b) Bidders experience(as per points 2.1&2.2 under Technical of BRC/BEC)	(Yes / No)	

(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	COMPLIANCE
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 OEM Dealer / OEM Approved Assembler. To Specify-	Yes / No
2.2	If quoted as OEM Dealer / OEM Approved Assembler,	Yes / No
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Dealer / Approved Assembler for the product offered ?	
	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	
3.0	Whether ORIGINAL Bid Bond (not copy of Bid Bond) as per Revised Format(Annexure VII Revised) Sent separately? If YES, provide details	
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
4.0	Whether offered firm prices ?	Yes / No
4.1	Whether quoted offer validity of 180 days from the date of closing of tender?	Yes / No
4.2	Whether quoted a firm delivery period?	Yes / No
4.3	Whether agreed to the NIT Warranty clause?	Yes / No
4.4	Whether confirmed acceptance of tender Payment Terms of 80% against shipment/dispatch documents and balance 20% after successful commissioning along with commissioning charges?	Yes / No

5.0	Whether confirmed to submit PBG as asked for in NIT?	Yes / No
5.1	Whether agreed to submit PBG within 30 days of placement of order?	Yes / No
6.0	Whether Price submitted as per Price Schedule (refer Para 11.0 of BRC vide Annexure – II)?	Yes / No
7.0	Whether cost of Recommended Spares for 2 years of operations quoted?	Yes / No
7.1	Whether confirmed that all spares & consumables will be supplied for a minimum period of 10 years ?	Yes / No
8.0	Whether quoted as per NIT (without any deviations)?	Yes / No
8.1	Whether quoted any deviation?	Yes / No
8.2	Whether deviation separately highlighted?	Yes / No
8.3	Whether indicated the country of origin for the items quoted?	Yes / No
8.4	Whether technical literature / catalogue enclosed?	Yes / No
8.5	Whether weight & volume of items offered indicated?	Yes / No
9.0	For Foreign Bidders - Whether offered FOB / FCA port of despatch including sea / air worthy packing & forwarding?	Yes / No
9.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
9.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
9.3	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?	
10.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
10.1	For Indian Bidders – Whether road transportation charges up to Duliajan quoted?	Yes / No
10.	For Indian Bidders only - Whether offered Ex-works price	Yes / No

2	including packing/forwarding charges?	
10.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
10.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
10.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
11.0	Whether all BRC/BEC clauses accepted ?	Yes / No
12.0	Whether confirmed to carry out Installation & Commissioning of the equipment at Duliajan(Assam) ?	Yes / No
12.1	Whether Installation & Commissioning charge applicable?	Yes / No
12.2	If Installation/ Commissioning charges applicable, whether separately quoted on lumpsum basis?	Yes / No
12.3	Whether to & fro air fares, boarding/lodging of the commissioning personnel at Duliajan, Assam(India) included in the quoted charges ?	Yes / No
12.4	Whether confirmed that all Service, Income, Corporate tax etc. applicable under Installation/ Commissioning are included in the prices quoted ?	Yes / No
13.0	Whether Integrity Pact with digital signature uploaded?	Yes / No
13.1	Whether all the clauses in the Integrity Pact have been accepted?	Yes / No

Signature _____

Name _____

Designation _____
