OIL INDIA LIMITED

(A Govt. of India Enterprise)

P.O. Udayanvihar ,Narangi ,Guwahati ,Assam

Telephone No. (91-361) 2594122 Fax No: (91-361) 2643686 Email: oilmatpl@oilindia.in ; erp_mm@oilindia.in;bimal_bora@oilindia.in

Tender No. & Date **: SGG7004P16 Dated 22.4.2015**

Tender Fee : INR 6000.00 OR USD 100.00

Bid Security Amount : Applicable

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

Bid Closing on : 29.07.2015 (at 11.00 Hrs. IST)
Bid Opening on : 29.07.2015 (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
10	SUPPLY & INSTALLATION OF ATUTOMATED THERMAL DESORBER WITH GAS CHROMATGRAPH-MASS SPECTROMETER(ATD-GC-MS) 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 Un priced Bid".

3.0 The items covered by this enquiry shall be used for R & D Purpose by Oil India Limited and hence Nil Customs Duty during import will be applicable as per DSIR guidelines. 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 **Chief Materials Manager, Oil India Limited, P.O.-Udayan Vihar ,Narangi,Guwahati ,Assam** on or before the Bid Closing Date mentioned in the Tender.

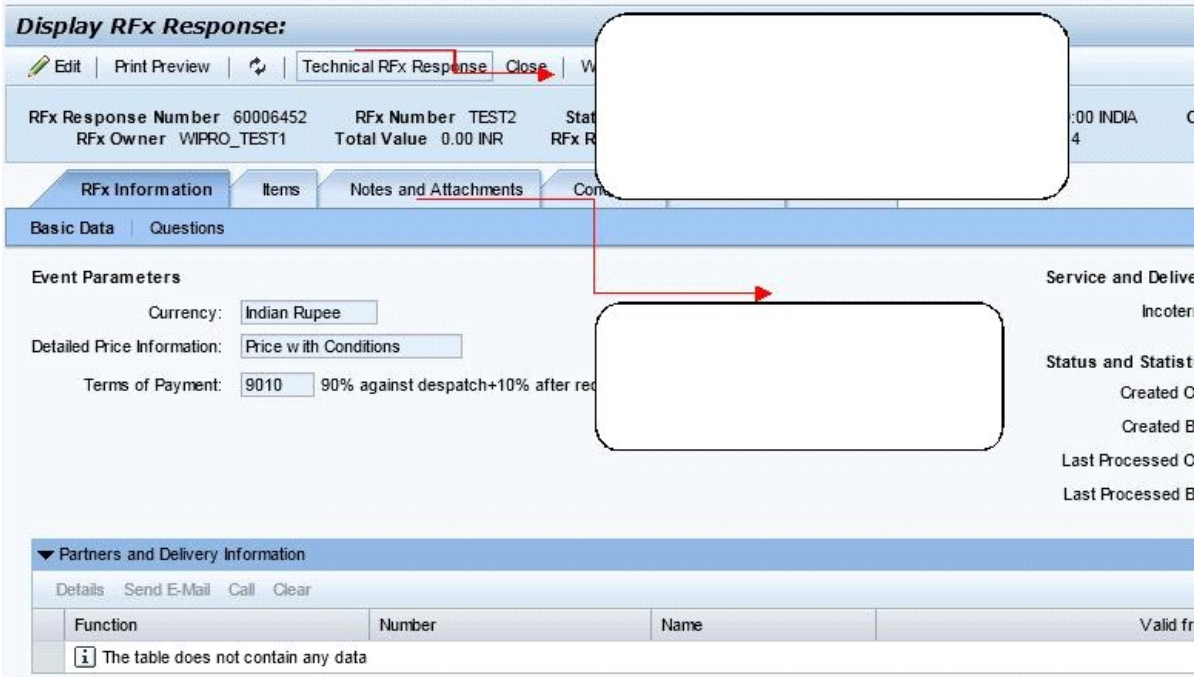
a) **Original Bid Security.**
b) **Details Catalogue and any other document which have been specified to be submitted in original.**

All documents submitted in physical form should be signed on all pages by the authorized 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.

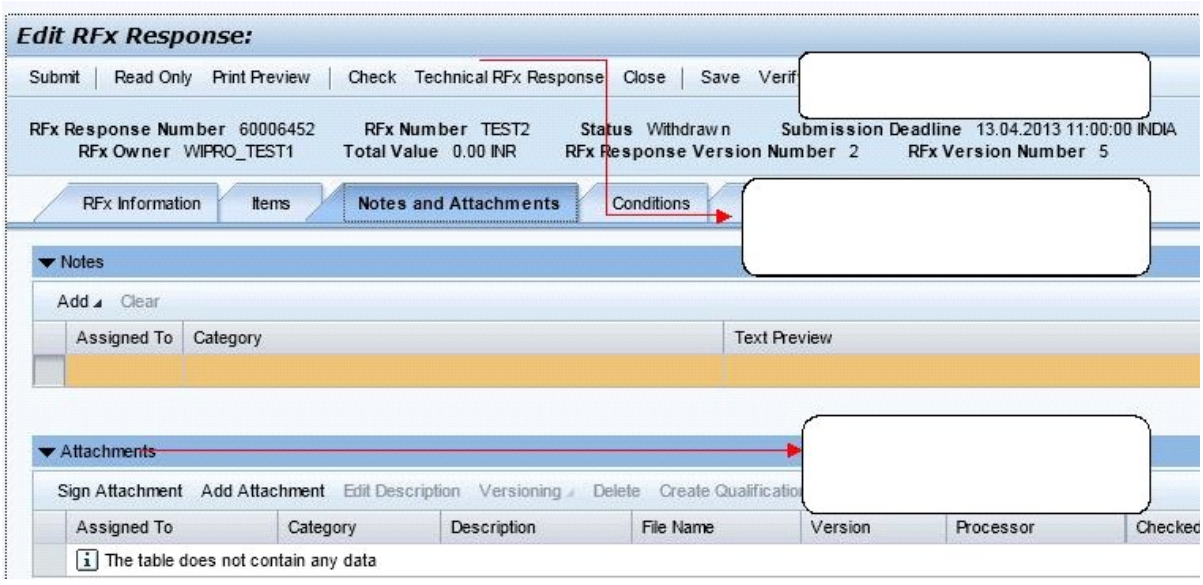
Any offer not complying with above submission procedure will be rejected as per Bid Rejection Criteria mentioned in the tender.



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.

<u>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:</u>



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 Atachment, a browser window will open, select the .SSIG signed file from the PC and
name the file under Description, Assigned to General Data and clock on OK to save the File.

6.0 Bidders are requested to examine all instructions, forms, terms and specifications in the bid. Failure to furnish all information required as per the bid or submission of offers not substantially responsive to the bid in every respect will be at the bidders risk and may result in the rejection of its offer without seeking any clarifications.

7.0 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

II) SHRI RAJIV MATHUR, IPS (Retd.)
Former Director, IB, Govt. of India,
E - Mail ID : rajivmathur23@gmail.com

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Annnexure – I

TECHNICAL SPECIFICATIONS FOR ATD-GC-MS
DETAILED SPECIFICATION OF AUTOMATED THERMAL DESORBER WITH GAS CHROMATOGRAPH - MASS SPECTROMETER (ATD-GC-MS)
REQUIREMENT AND APPLICATION:

1. The ATD-GC-MS should be capable of analysing compounds ranging from C2 to n-C40 hydrocarbons plus labile compounds, such as mercaptans and CS gas on the same system, without modification.
2. The TD must allow the simultaneous analysis of volatiles and semi-volatiles (e.g. n-C5 to n-C40 in a single analysis.) present in ambient air, soil gas, rock matrices, soil etc.3. The TD system must be compatible with samples containing trace(i.e. sub ppb/ ppt) and high (ppm / low %) concentration levels.

SAMPLE TUBES

4. The desorbed must be compatible with industry standard 3.5-inch(89 mm) x ¼-inch (6.4 mm) O.D. tubes for compliance with standard methods e.g. ASTM D 6196, EN ISO 16017, ISO 16000-6, EN 14662-4, US EPAMethod TO-17, NIOSH 2549 and the UK MDHS series.5. The disrober must have provision for using identifiable/tagged tubes based on radio frequency or other technology
5. The tubes must be compatible with standard Swagelok-type ¼-inchlong-term brass storage caps fitted with combined PTFE ferrules as specified in standard methods.
6. Sample tubes must be compatible with axial diffusive sampling as per standard methods (EN ISO 16017-2, EN 14662-4 and ASTM D 6196).
7. Tubes should be preferably orientated horizontally throughout the operation to prevent particles dropping into tube seals and to prevent samples shifting within the tube during direct desorption of materials.

FOCUSING TRAP

8. The TD platform technology must feature 2-stage desorption incorporating an electrically-cooled packed cold trap capable of cooling to sub-zero temperatures as specified in US EPA Method TO-17 and other standard methods.
9. It should be possible to pack the electrically-cooled cold trap with up to four sorbent beds to a total length of 60 mm to match the sorbent bed length found in industry standard sample tubes.
10. Desorption of the focusing trap must take place in a backflushmode i.e. analyses must enter the trap from one end and be desorbed from the same end to facilitate simultaneous analysis of volatiles and semi-volatiles.
11. The system should offer rapid heating (>60 deg C/sec) of the focusing trap to optimise chromatographic resolution and analyticalsensitivity.13. Optional, slower, programmed heating options should also be available for the focusing trap to ensure compatibility with very reactive components

SAMPLE FLOW PATH

12. The desorbed must feature a totally inert flow path (constructed, for example, using Silcosteel , quartz or fused silica components) with inert material coated metal fittings.
13. The sample flow path inside the desorbed must ensure high linear gas velocity and no band

dispersion as components are transferred to the capillary column or fused silica retention gap.
14. It must be possible to set the flow path at temperatures below100°C to prevent degradation of heat sensitive compounds. It must also be possible to set the flow path at temperatures which allow quantitative recovery of low volatility compounds, including n-C40
15. At no stage during sample analysis must the sample flow path be opened to atmosphere or air (and associated contaminants) will get into the system
16. Once a TD-GC(MS) analysis has been initiated, all parts of the desorption sequence - leak testing, purging, tube desorption, trap desorption and starting the GC run - should be automatic, to allow unattended operation.
17. The disrober must connect directly to the analytical column or to a heated uncoated, deactivated fused-silica capillary retention gap,
without passing through a GC injector
18. Sample flow path max temperature - 250ºC or higher

SAMPLE SPLIT CAPABILITIES

19. It should be possible to split both during primary (tube) desorption (inlet splitting) and secondary (trap) desorption (outlet splitting) - in order to obtain overall split ratios in excess of 1000:1 for analysis of high concentration samples.
20. The flow path to the sample split point(s) must be inert and uniformly heated
21. The system must allow the user to select for the sample split flow to be on during instrument standby to minimise air ingress for MS installation.
22. There must be easy access to the split re-collection tube without need to tighten and undo screw fittings. Software must also allow carrier gas to be isolated from the split line such that access to the re-collection tube does not cause a temporary leak.
23. It must be possible to automate the split re-collection facility

ANALYTICAL SEQUENCE

24. As required by relevant standard methods such as US EPA Method TO-17, the analytical sequence must include an ambient temperature, no flow leak test of each tube prior to analysis, to ensure data integrity.
25. Any tube which fails the leak test must remain intact and unanalysed, maintaining sample integrity until the fault is diagnosed and the sample can be successfully analysed.
26. The analytical sequence must also include an ambient temperature carrier gas purge of each tube to eliminate O2 prior to analysis. Any air purged from the system must be directed away from the analytical GC-MS system. This is in order to minimise interference - e.g. column
oxidation or high air / water background on MS.
27. The system must offer the option of an elevated temperature tube purge during standard 2-stage tube desorption for selective elimination of water and unwanted volatiles prior to analysis.
28. The desorption oven should heat from near ambient during primary (tube) desorption to minimise risk of split discrimination from samples with high solvent or water content 31. The system should facilitate the sequencing of multiple adsorptions of a single tube at different temperatures for automating the TD method development process

CARRIER GAS PNEUMATIC CONTROL

29. The system should facilitate electronic carrier (gas) control at all stages of TD operation, to enable total flow read-out, enhanced leak diagnostics and pneumatic programming that is directly linked to

the GC oven programme. Additionally it should be possible to configure the thermal desorbed with column head pressure regulation to offer retention time stability independent of split flow, trap temperature, tube / trap packing etc.
30. The TD must offer electronic mass flow control of the split and /or primary (tube) desorbs flows (at least as an option) for enhanced method respectability, selection of different split flows for the various stages of desorption and automatic sequencing of desorption methods with varying inlet (primary) and outlet (secondary) split flows. System control / software 34. The system should be operated and controlled via a standard 32-bit, Windows-type PC-based software platform.
31. The disrober control software should sit alongside the GC data
handling software on the same PC such that additional control equipments not required.
32. The disrober should be linked electrically to the rest of the analytical system such that secondary (trap) desorption will not proceed unless and until the rest of the analytical system is 'Ready'.The GC run should also be initiated automatically ('External start')when the focusing trap of the TD system is desorbed.

AUTOMATION OF TUBE DESORPTION

33. The tube desorption auto sampler should be compatible with tagged
or untagged tubes and offer the option of automatic tag read/write to
facilitate tube tracking and automate the process of inserting sample/tube specific information into the automation sequence
34. The TD auto sampler should have capacity for at least 100 industry standard sample tubes.
39. The automated desorber should operate in 'overlap' mode - i.e.for the system to begin pre-desorption tests and primary desorption of a subsequent sample, while the chromatographic cycle of the previous sample is still in progress.
35. The system must offer the option of dry purging tubes with carrier gas, in the sampling direction and at ambient temperature, as part of the automatic analytical sequence in compliance with US EPA Method TO-17
36. Tubes must be properly sealed before and after sampling with inert, non-emitting caps. The tube caps used on the TD auto sampler should not degrade with use causing loss of analyte and possible ingress of contaminants.
37. Every tube should be subjected to the integrated ambient temperature, no-flow leak test before desorption and should not be analysed if any leak is detected. Failed tubes should be left intact
and logged in system memory awaiting user intervention. After a tube has failed the leak test, the system should continue to test and analyse subsequent tubes.
38. The automated desorber must offer the option of automatic addition of gas-phase internal standard to each sorbent tube in the sampling direction.
39. Standard addition should only occur after leak testing and before any other stage of operation in compliance with the recommendations of key standard methods such as US EPA Method TO-17.
40. The system should also allow gas-phase standard to be introduced to the sampling end of blank tubes after leak testing, but without subjecting them to the desorption process. This will enable blank tubes to be pre-loaded with internal standard before being used for field monitoring

AUTOMATION OF SPLIT RE-COLLECTION

41. Automatic re-collection of the outlet (trap) split flow from up to 50 sample tubes must be possible with one TD auto sampler without using the original (primary) sample tube for the re-collection process.

SAMPLING ACCESSORIES

Stand-alone multi-tube conditioning / dry purge equipment for 10 ormore tubes - 1 no.

1. Soil probes - 25 nos.
2. Sequential tube samplers for 10 or more tubes - 1 no.
3. Hand held pump for adsorption into single sorbent tube - 2 no.
4. Equipment for loading liquid or gas-phase standards onto sorbent tubes. - 1 no.
5. Adsorbent filled tubes
- VOC in ambient air - (Tenax and Carbopack X dual bed tubes) - 50 no.
- Organic compounds particularly petroleum hydrocarbons (C2 - C25) in from soil and air - "Universal" 3 bed tubes (Tenax/Carbograph 1/Carboxen 1003) - 50 nos.
- BTEX and PAHs - Tenax - 30 nos.
6. Certified standards for BTEX

MASS SPECTROMETER

1. Quadrupole Mass Analyzer
2. Mass Range: 2 -1000 u (Minimum)
3. Resolution: Unit mass resolution maintained over the entire mass range.
4. Scan Rate: Ability to scan within entire available mass range (2 - 1000 u) up to 10,000 u/sec
5. Acquisition rate: Ability to create more than 50 scans/sec in SIM.

ION SOURCE

1. Must be able to remove all source parts that require periodic cleaning, including the repeller, ion volume and lens stack, without venting mass spectrometer.2. Ion source temperature should be settable up to 350 °C.
3. Additional lens heater independent of source heater to be available to apply additional heat to lenses and ion guide to prevent contamination of optics from complex matrices
4. Ability to interchange dedicated EI, PCI and NCI sources without venting mass spectrometer.
5. Combination EI/CI ion volume for conducting EI & CI experiments within the same chromatographic analysis.
6. Electron beam collimating magnets for greater ionization efficiency
7. Accurate regulation of emission current up to 300 µ A.
8. User definable electron energy adjustable from 5-150 eV.
9. Constant calibration gas pressure for optimum system tuning.
10. GC transfer line temperature should be programmable up to 350 °C

DETECTION SYSTEM

Should be dynode electron multiplier

VACUUM SYSTEM

System should come with high-capacity (Minimum 230 L/s) air-cooled turbo molecular pump with

control and safety interlocks integrated into the system. Ability to perform automated leak check using a metered amount of air as reference. Standard 2.5 m3/hr rotary-vane pump
Instrument Control
" Ability to acquire data in centred or profile mode.
" Available scan modes are full scan, SIM, and alternating full scan/SIM.
" Ability to alternate between full scan MS and SIM target analysis on successive scans...
" Complete control for each scan segment of scan rate, scan range, ion polarity, centroid or profile data acquisition, emission current value, detector gain value, CI gas flow and specific tune file used for acquisition.

CHEMICAL IONIZATION:

" Ability to perform Positive Chemical Ionization (PCI) and Negative Chemical Ionization (NCI).
" Dual CI gas flow module, capable of automatically switching between two CI gases on a sample by sample basis through software control.
" Software controlled digital flow control of CI reagent gas, resulting in reproducible CI spectra and quantisation.
" Dual-flow calibration gas supply for proper flow of celebrant to provide accurate tuning and mass calibration across ionization modes.
" Ability to program different reagent gas flows at different times during a single chromatographic run to allow for individual compound optimization during the analysis of a sample.
" Ability to switch on a scan-to-scan basis between positive and negative ionization during a chromatographic or probe analysis -
PPINICI (Pulsed Positive Ion Negative Ion Chemical Ionization).

GAS CHROMATOGRAPH

" Column oven
- The column oven must have an operating range of ambient + 5°C to 450°C with the option of going down to -99°C using the optional sub ambient oven accessory (with liquid nitrogen as coolant)
- The oven temperature stability should be within 0.1% of actual temperature - Program rates: 0.1 to 120°C/min through seven ramps & eight plateaus
- Typical Cool-down : from 450 ºC to 50 ºC in 300 seconds or less

PNEUMATIC COMPARTMENT

- Digital Pressure Flow Controller must be able to alternatively control and program pressures and flows in up to two independent carrier gas lines with Pressure regulation should be available in the range from 10 to 1000 kPa
- It should have ambient temperature and pressure compensation
- It should have a gas saver mode
- It should have automatic leak check mode
- It should have Column characterization for reproducible retention times.
- The digital pressure and flow controller must be able to alternatively operate in real flow mode and pressure programming

INJECTOR

PTV Injector - 1 No

- Maximum temperature: 400°C
- Heating rate: up to 14.5 °C/sec (870°C/min.)
- Programmable ramps: 3 (4 plateaus)
- Pressure/flow programmable ramps: 3 (4 plateaus)
- Air-cooled down to few degrees above ambient temperature
- Capable of sub-ambient operations: down to -50°C with liquid N2 / CO2

DETECTORS

The GC must be able to house and operate at least two detectors simultaneously

Flame Ionisation Detector (FID) - 1 No.

- The FID sensitivity should be 2 x 10-12pgC/sec or better
- FID detector must feature data acquisition rate up to 300 Hz and a 6 ms time constant or better, suitable for Ultra Fast GC
- The FID should have flameout detection and timed programming capability.
- The dynamic range should be better than 107

DATA SYSTEM

The data system should provide complete control of the Automated Thermal Desorption unit, Gas Chromatograph and the Mass Spectrometer. It should provide control for method development to reporting. It should provide tools for maintaining and generating own spectral libraries. It should provide software packages tools to streamline workflows and make getting from sample to results easier and more efficient. The software package should provide easy navigation, user level capabilities, optimized data review, active reporting and custom reporting.
NIST Library for Mass Spectra on CD-ROM should be provided

HARDWARE

Computer Configuration as given below or better:
(BRANDED-COMPAQ-HP or Dell or equivalent)
oCore i5-2500 3.3 GHz
o 8 GB RAM. 1 TB HDD.
o NVIDIA Quadro 600 1GB GraphicsCard
o CD/DVD COMBO DRIVE - R/W
o 18.5" TFT Monitor - 2 nos.
o Dual Display Communicator with one VGA Cable for dual display
o Four U.S.B Ports (2 Front, 2-Back), RS232C Port & 1 Mouse Port.
o MM Keyboard and Optical Mouse with Mouse Pad.
o Pre-installed Microsoft Windows 7 64 bit and Microsoft Office
o HP Colour Laser Jet Printer

ACCESSORIES

The following accessories must be provided.

1. Helium gas cylinder, high purity, 99.999% - 5 nos.
2. Methane gas cylinder, high purity - 1 no.
3. Gas regulators for above - 2 nos
(1each for Helium and Methane)
4. Capillary column for following applications - 1(One) each
- VOC in ambient air
- Petroleum hydrocarbons (C2 - C40)
- PONA Column
- BTEX
- PAHs

SpecialNotes :

A) Warranty :

(i) The item shall be brand new, unused & of prime quality. Bidder shall warrant (in the event of an order) that the product supplied will be free from all defects & fault in material, workmanship & manufacture and shall be in full conformity with ordered specifications. This clause shall be valid for 18 months from date of shipment or 12 months from date of commissioning of the item,Whichever is earlier. The defective materials, if any, rejected by us shall be replaced by the supplier at their own expense. Bidder must confirm the same in their quotation.

(ii) The supplier shall replace defective parts, if found any, during Installation or during the warranty period, at their own expense. The bidder must confirm the same in their quotation. This replacement shall be done within a month's time at supplier's cost.

B. Installation/Commissioning and Training to OIL personnel on Operation &Maintenance :

(i) The supplier shall be required to install and commission the
Instrument at Centre of Excellence for Energy studies, Oil India Ltd.,G. S. Road Guwahati, Assam, India by their competent service engineer(s).

(ii) System to be demonstrated during Installation satisfying the following Specifications:
Using helium as carrier gas:
EI full scan specs 1 µ L injection of 1 pg/µ L OFN while scanning from 50-300 u gives for mass 272 an RMS S/N ? 400:1
PCI full scan specs 1 µ L injection of 100 pg/µ Lbenzophenone while scanning from 80 - 230 u gives for mass 183 an RMS S/N ? 125:1
NCI full scan specs 2 µ L injection of 100 fg/µ L OFN while scanning from 50 - 300 u gives for mass 272 an RMS S/N ? 600:1
Complete training and demonstration shall be provided to the user during commissioning of the equipment.

(iii) The Bidder shall provide pre-installation requirements along with the offer.
(iv) The supplier's service engineer shall demonstrate the performance of the system as guaranteed in the offer and also must provide extensive training to OIL's two technical/scientific staff for 5 days for the operation, application and trouble shooting of the software and the instrument after installation.
(v) While quoting Installation/Commissioning and on-site Training charges above, bidder shall take into account all charges including to and fro fares, boarding/lodging, local transport at Guwahati,Assam and other expenses of supplier's personnel during their stay at Guwahati. OIL may provide accommodation on chargeable basis subject to availability.

C. Recommended Spares :
Spares and consumables for two years of trouble free operation should be quoted separately. However, the same will not be considered for bid evaluation.

D. Manuals :
In the event of the order, one set of operating manual and service manual (in English) should be provided with the instrument. Printed documents in support of claimed specification should also be provided.

E. Annual Maintenance Contract :
Charges for the Annual Maintenance Contract (AMC) for four years, after the warranty period is over, should be quoted with year-wise break up. The entire system should be under Annual Maintenance Contract for a period of four years after the warranty period is over. During the maintenance contract period, the service engineer of the supplier should make two visits for preventive maintenance of the instrument and one visit, if necessary, for breakdown maintenance of the instrument. Spares required, if any, during the maintenance contract period will be provided by OIL. Cost of the AMC shall be considered for bid evaluation.

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.

Annexure – II

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

(I) BID REJECTION CRITERIA (BRC)

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

A) TECHNICAL :

1.0 ATD-GC-MS should confirm to following .

1. The ATD-GC-MS should be capable of analyzing hydrocarbon compounds ranging from C2 to n-C40 .

2. The mass spectrometer should be of quadruple type with a mass range of 2 -1000 atomic mass unit

3. The vacuum system of mass spectrometer should have a high-capacity pump (Minimum 230 L/s)

4. The gas chromatograph should have pressure regulation in the range from 10 to 1000 kPa.

2.0 **Bidder 's qualificationsand experience**.

2.1 The Bidder shall be an Original Equipment Manufacturer (OEM) of GC-MS or authorized by OEM to bid on their Behalf .

2.2 The Bidder must have supplied at least five nos. of Gas Chromatograph-Mass Spectrometer in the preceding Seven year period prior to the bid closing date. Name, Address, Contact Person Name and Phone no.& email ID of the parties to whom the instrument has been supplied should be provided.

(B) COMMERCIAL :

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

1.0 Bids are invited under Single Stage Two Bid System. **Please note that no price details should be furnished in the Technical (i.e. Techno Commercial) bid**.The "Techno Commercial 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 ofUSD 3700.00 or Rs.222000.00 shall be furnished as a part of the TECHNICAL BID. Any bid not accompanied by a proper bid security in ORIGINAL will be rejected without any further consideration. For exemption for submission of Bid Security, please refer Clause No. 9.8(Section A) of General Terms and Conditions for Global Tender. The Bid Security shall be valid till **28.7.2016** . Bid with lesser validity Bid bond shall be rejected.

3.0 Validity of the bid shall be minimum 180 days. Bids with lesser validity shall be rejected.

4.0 Bidders must confirm that Goods, materials or plant(s) to be supplied shall be new of recent make and of the best quality and workmanship and shall be guaranteed for a period of eighteen months from the date of shipment/dispatch or twelve months from the date of commissioning whichever is earlier against any defects arising from faulty materials, workmanship or design. Defective goods/materials or parts rejected by OIL shall be replaced immediately by the supplier at the supplier's expenses at no extra cost to OIL.

5.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Bank Guarantee must be valid for one year from the date of successful Installation/Commissioning . Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.

6.0 Bids received after the bid closing date and time will be rejected. Similarly, modifications to bids

received after the bid closing date & time will not be considered.

7.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.

8.0 Offers received without Integrity Pact duly signed by the authorized signatory of the bidder will be rejected.

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

Commercial Bid Format (SUMMARY) for Foreign Bidders :

(A) Total Material value of the unit

(B) FOB Charges

(C) Total FOB Value, (A + B) above

(D) Ocean Freight uptoKolkata(India) port (as quoted)

(E) Insurance Charges @ 1 % of Total FOB Value vide (C) above

(F) Banking Charges @ 0.5% of Total FOB Value vide (C) above in case of

payment through Letter of Credit (If confirmed L/C required, 2.5% of

Total FOB Value will be loaded)

(G) Total CIF Kolkata Value, (C + D + E + F) above

(H) AMC Charges for 4 years after warranty period

(I) Installation/Commissioning charges

(J) Total Value, (G + H +I) above

(K) Total value in words :

(L) Gross Weight :

(M) Gross Volume

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

(A) Total Material value of the Unit

(B) Packing and Forwarding Charges

(C) Total Ex-works value, (A + B) above

(D) Excise Duty as applicable on (C) above

(E) Sales Tax as applicable on (C+D) above

(F) Total FOR Despatching station Value, (C+D+E) above

(G) Transportation charges (as quoted)

(H) Insurance charges @0.5% of Total FOR Despt. Station Value (F) above

(I) Assam entry tax

(J) Total FOR Guwahati value, (F+G+H + I) above

(K) AMC Charges for 4 years after warranty period

(L) Installation/Commissioning charges

(M) Total Value, (J+K+L) above

(N) Total value in words :

(O) Gross Weight :

(P) Gross Volume

2.0 AMC charges, for four years, after the warranty period is over, should be quoted separately with

year-wise break up separately which shall be considered for commercial evaluation of the offers.

3.0 Installation/Commissioning charges must be quoted separately on lump sum 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 Guwahati and other expenses of supplier's commissioning personnel during their stay at Guwahati,Assam(India). All Income, Service, Corporate Taxes etc. towards the services provided under installation / commissioning shall be borne by the supplier and will be deducted at source at the time of releasing the payment. Bidder should also confirm about providing all these services in the Technical Bid. List of Commissioning Spares if any indicating the qty, description and unit prices must be shown separately.

(II) BID EVALUATION CRITERIA (BEC) :

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

B. COMMERCIAL :

1.0 The evaluation of bids will be done as per the Price Schedule (SUMMARY) detailed vide Para 9.0 of BRC.

2.0 If there is any discrepancy between the unit price and the total price, the unit price will prevail and the total price shall be corrected. Similarly, if there is any discrepancy between words and figure, the amounts in words shall prevail and will be adopted for evaluation.

3.0 For conversion of foreign currency into Indian currency, B.C. selling (Market) rate declared by State Bank of India, one day prior to the date of price bid opening shall be considered. However, if the time lag between the opening of the bids

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

4.0 Offers not complying with the payment terms indicated in the enquiry shall be loaded with one percent above the prevailing Bank rate (CC rate) of State Bank of India for evaluation purpose.

5.0 To ascertain the inter-se-ranking, the comparison of the responsive bids will be made as under,

subject to corrections / adjustments given herein.

5.1 **When only foreign bids are involved :**

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

(A) Total Material value of the unit

(B) FOB Charges

(C) Total FOB Value, (A + B) above

(D) Ocean Freight uptoKolkata(India) port (as quoted)

(E) Insurance Charges @ 0.5% of Total FOB Value vide (C) above

(F) Banking Charges @ 1% of Total FOB Value vide (C) above in case of payment through Letter of Credit (If confirmed L/C required 2.5% of Total FOB Value will be loaded)

(G) Total CIF Kolkata Value, (C + D + E + F) above

(H) AMC Charges for 4 years after warranty period

(I) Installation/Commissioning charges

(J) Total Value, (G + H +I) above

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

5.2 **When only domestic bids are involved :**

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

(A) Total Material value of the Unit

(B) Packing and Forwarding Charges

(C) Total Ex-works value, (A + B) above

(D) Excise Duty as applicable on (C) above

(E) Sales Tax as applicable on (C+D) above

(F) Total FOR Despatching station Value, (C+D+E) above

(G) Transportation charges (as quoted)

(H) Insurance charges @0.5% of Total FOR Despt. Station Value (F) above

(I) Assam entry tax

(J) Total FOR Guwahati value, (F+G+H + I) above

(K) AMC Charges for 4 years after warranty period

(L) Installation/Commissioning charges

(M) Total Value, (J+K+L) above

5.3 **When both Foreign and Domestic bids are involved :**

The Total Value of domestic bidder (inclusive of customs duty on imported raw material and components etc, and applicable terminal excise duty on the finished products and Sales Tax) excluding inland transportation to destination and Insurance charges worked out as per Para 5.2 above and Total Value of the foreign bidder worked out as per Para 5.1 above excluding inland transportation to destination will be compared. No price preference will be allowed to indigenous bidders except that for capital goods, the domestic manufacturers would be accorded a price preference to offset CST to the extent of 4 % or actual, 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.

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

Annexure – III

(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.

Sl#	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 Supply House / Distributor. To Specify-	Yes / No
2.2	If quoted as Supply House / Distributor,	Yes / No
	(a) Whether submitted valid and proper authorization letter from manufacturer confirming that bidder is their authorized Supply House for the product offered ?	

	(b) Whether manufacturer's back-up Warranty/Guarantee certificate submitted?	
3.0	Whether ORIGINAL Bid Bond (not copy of Bid Bond) Sent separately? If Yes, provide details	
	(a) Amount :	
	(b) Name of issuing Bank :	
	(c) Validity of Bid Bond :	
3.1	Whether offered firm prices?	Yes / No
3.2	Whether quoted offer validity of Six months from the date of closing of tender?	Yes / No
3.3	Whether quoted a firm delivery period?	Yes / No
3.4	Whether agreed to the NIT Warranty clause?	Yes / No
3.5	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
3.6	Whether confirmed to submit PBG as asked for in NIT?	Yes / No
3.61	Whether agreed to submit PBG within 30 days of placement of order?	Yes / No
3.7	Whether Price submitted as per Price Schedule (refer Para 6.0 of BRC vide Annexure – II)?	Yes / No
3.71	Whether confirmed that all spares & consumables will be supplied for a minimum period of 10 years?	Yes / No
3.72	Whether cost of Recommended Spares for 2 years of operations quoted?	Yes / No
3.8	Whether quoted as per NIT (without any deviations)?	Yes / No
3.81	Whether quoted any deviation?	Yes / No
3.82	Whether deviation separately highlighted?	Yes / No
3.9	Whether indicated the country of origin for the items quoted?	Yes / No
3.91	Whether technical literature / catalogue enclosed?	Yes / No
3.92	Whether weight & volume of items offered indicated?	Yes / No
4.0	For Foreign Bidders - Whether offered FOB / FCA port of dispatch including sea / air worthy packing & forwarding?	Yes / No
4.1	For Foreign Bidders – Whether port of shipment indicated. To specify:	Yes / No
4.2	For Foreign Bidders only - Whether indicated ocean freight up to Kolkata port (Excluding marine insurance) ?	Yes / No
4.3	Whether Indian Agent applicable ?	Yes / No
	If YES, whether following details of Indian Agent provided?	
	(a) Name & address of the agent in India – To indicate	
	(b) Amount of agency commission – To indicate	
	(c) Whether agency commission included in quoted material value?	
5.0	For Indian Bidders – Whether indicated the place from where the goods will be dispatched. To specify :	Yes / No
5.1	For Indian Bidders – Whether road transportation charges up to Guwahati quoted?	Yes / No
5.2	For Indian Bidders only - Whether offered Ex-works price including packing/forwarding charges?	Yes / No
5.3	For Indian Bidders only - Whether indicated import content in the offer?	Yes / No
5.4	For Indian Bidders only - Whether offered Deemed Export prices?	Yes / No
5.5	For Indian Bidders only – Whether all applicable Taxes & Duties have been quoted?	Yes / No
6.0	Whether all BRC/BEC clauses accepted?	Yes / No
7.0	Whether confirmed to offer the equipment for Pre-despatch/shipment Inspection &	Yes / No

	testing?	
7.1	Whether Pre-despatch/shipment inspection & testing charges applicable?	Yes / No
7.2	If Pre-despatch/shipment inspection & testing charges applicable, whether quoted separately on lumpsum basis?	Yes / No
7.3.	Whether confirmed to carry out Installation & Commissioning of the equipment at Guwahati (Assam) ?	Yes / No
7.4	Whether Installation & Commissioning charge applicable?	Yes / No
7.5	If Installation/ Commissioning and Training charges applicable, whether separately quoted on lumpsum basis?	Yes / No
7.6	Whether to & fro air fares, boarding/lodging of the commissioning personnel at Guwahati , Assam(India) included in the quoted charges ?	Yes / No
7.7	Whether confirmed that all Service, Income, Corporate tax etc. applicable under Installation/ Commissioning are included in the prices quoted ?	Yes / No
8.0	**Whether Integrity Pact with digital signature uploaded?**	Yes / No

Offer reference	