



ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

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INVITATION TO e-BID UNDER SINGLE STAGE COMPOSITE BID SYSTEM

OIL INDIA LIMITED invites electronic bids for **ADVANCED POLARISATION MICROSCOPE** from **INDIAN BIDDERS** on **SINGLE STAGE COMPOSITE BID SYSTEM** through its e-procurement site on **NATIONAL COMPETITIVE BIDDING BASIS (OPEN)**. Salient points of the Tender (covered in detail in the Bid Document) are highlighted below:

(i)	E-Tender No.	:	SGI5406P21 dated 13.10.2020
(ii)	Item Description	:	ADVANCED POLARISATION MICROSCOPE
(iii)	Type of Bidding	:	Online - Single Stage Composite Bid System
(iv)	Tender Fee	:	Not Applicable
(v)	Bid Closing Date & Time	:	19.11.2020 at 11.00 Hrs. IST
(vi)	Bid Opening Date & Time	:	19.11.2020 at 14.00 Hrs. IST
(vii)	Bid Submission Mode	:	Bids must be uploaded online in OIL's E-procurement portal
(viii)	Bid Opening Place	:	Office of The Deputy General Manager - Materials (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati - 781171
(ix)	Bid Validity	:	90 days from date of Bid Closing
(x)	Bid Security Amount	:	INR 94,700.00
(xi)	Bid Security Validity	:	Upto 18.05.2021
(xii)	Original Bid Security (Bank Guarantee) to be submitted	:	Office of The Deputy General Manager - Materials (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171
(xiii)	Amount of Performance Security	:	10% of Total Order Value
(xiv)	Integrity Pact	:	Not applicable
(xv)	Pre-Bid Meeting	:	Not Applicable
(xvi)	Bids to be addressed to	:	Deputy General Manager - Materials (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171.

The item details against the tender are given below:

ITEM NO.	MATERIALS DESCRIPTION	QTY	UNIT
1	ADVANCED POLARISATION MICROSCOPE CONSISTING Mot. 'Z', MOTORISED/ CIRCULAR STAGE WITH ORTHOSCOPY & CONOSCOPY OBSERVATION, DIGITAL CAMERA, IMAGE ANALYSIS SOFTWARE & COMPUTER. (Technical Specification as per Annexure AA of the tender)	1	NO.

The general details of tender can be viewed by opening the eRFx [Tender] under RFx and Auctions in the e-portal through Guest Login. The details of tendered items can be found in the Item Data and details uploaded under Technical RFX. The bidding document is available in the Technical RFX -> External Area -> Tender Documents.

The complete bid document along with details for participation in e-tenders are available on OIL's e-procurement portal <https://etender.srm.oilindia.in/irj/portal> as well as OIL's website <https://www.oil-india.com/>.

NOTE:

- All addenda, Corrigenda, time extension etc. to the tenders will be hosted on above website and e-portal only. Bidders should regularly visit above website and e-portal to keep themselves updated.
- For technical support on various matters viz. Online registration of vendors, Resetting of Passwords, submission of online bids etc., bidders should contact OIL's ERP MM Deptt at following: Tel Nos.: 0374-2807178, 0374-2807171, 0374-2807192. Email id: erp_mm@oilindia.in.
- OIL's office timings are as below:

WEEKDAYS	TIME (IN IST)
Monday – Friday	07.00 AM to 11.30 AM; 01.00 PM to 03.30 PM
Saturday	07.00 AM to 11.00 AM
Sunday and Holidays	Closed

STANDARD NOTES

1.0 The tender will be governed by "General Terms & Conditions for National Tender (National Competitive Bidding)" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders).

2.0 This Bidding document consists of:

- | | | |
|--------|-------------|--|
| (i) | Annexure AA | : Technical Specification and Terms & Conditions |
| (ii) | Annexure BB | : Bid Rejection Criteria |
| (iii) | Annexure CC | : Technical Compliance Sheet |
| (iv) | Annexure DD | : Commercial Compliance Sheet |
| (v) | Annexure EE | : Price Schedule |
| (vi) | Annexure FF | : Annual Turn Over and Net Worth Certificate |
| (vii) | Annexure GG | : Undertaking towards submission of authentic information/documents |
| (viii) | Annexure HH | : Arbitration clause for Settlement of commercial disputes between Central Public Sector Enterprises (CPSEs) inter se and CPSE(s) and Government Department(s)/ Organizations(s) |
| (ix) | Annexure II | : Clause for Startup and MSE bidders. |

"General Terms & Conditions for National Tender (National Competitive Bidding)" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders).

3.0 Bidders without having E-tender Login ID and Password should complete their online registration at least 7(seven) days prior to the scheduled bid closing date and time of the tender. For online registration, Bidder may visit the OIL's E-tender site <https://etender.srm.oilindia.in/irj/portal>.

4.0 Necessary Login ID & Password will be issued by OIL only after submitting the complete online registration by the Bidder. In the event of late registration/incomplete registration by Bidder, OIL INDIA LIMITED shall not be responsible

for late allotment of User ID & Password and request for bid closing date extension on that plea shall not be entertained by Company.

- 5.0 Bidders to note that Govt. of India under Micro, Small and Medium Enterprises Development (MSMED) Act 2006, has proclaimed the Public Procurement Policy, 2012 with effect from 1st April, 2012 in respect of procurement of goods and services, produced and provided by micro and small enterprises, by its Ministries, Departments and Public Sector Undertakings for promotion and development of Micro and Small Enterprises. A new Clause on applicability of Public Procurement Policy for procurement of goods from Micro and Small Enterprises (MSE) in the tender is furnished vide Amendment to General Terms and Conditions for Global Tender (MM/GLOBAL/E-01/2005). Bidders are requested to take note of the same and to submit their offers accordingly.
- 5.1 For availing benefits of Purchase Preference under Public Procurement Policy, the interested MSE Bidders must ensure that they are the manufacturer of tendered item(s) and registered with the appropriate authority for the said item(s). The technical offer of such MSE Bidders must include a valid copy of relevant MSE Certificate issued by appropriate authority specifying the item as per tender. Purchase Preference of 15% (fifteen percent) shall be extended to the eligible MSE Bidder (i.e. Manufacturer of tendered goods for procurement) over non-MSE L1 Bidder and PO shall be awarded for full tender quantity on such MSE bidder, subject to matching their quoted rates/costs with non-MSE L1 Bidder.
- 5.2 **MSEs Units (manufacturers/Service Providers only and not their dealers/distributors) who are already registered with District Industry Centers or Khadi & Village Industries Commission or Khadi & Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts & Handloom or any other body specified by Ministry of MSME are exempted from payment of Bid Security (EMD) irrespective of their product category & capacity, subject to submission of valid MSME registration certificate issued by appropriate authority.**
- 5.3 Micro or Small Enterprises (MSE) registered with District Industry Centers or Khadi and Village Industries Commission or Khadi and Village Industries Board or Coir Board or National Small Industries Corporation or Directorate of Handicrafts and Handloom or any other body specified by Ministry of MSME shall submit copy of valid Registration Certificate for the items they intend to quote along with the bid. The Registration Certificate should clearly indicate the monetary limit, if any and the items for which bidder are registered with any of the aforesaid agencies. In case bidding MSE is owned by Schedule Caste or Schedule Tribe entrepreneur, valid documentary evidence issued by the agency who has registered the bidder as MSE owned by SC/ST entrepreneur/ Woman Entrepreneurs should also be enclosed. The turnover related figures of the bidders claiming as MSE bidders as mentioned above shall be considered based on Bidders self-declarations to be submitted with their bid as per new gazette notification no. CG-DL-E-26062020-220191 dated 26.06.2020. However, in case of any intentional misrepresents or attempts to suppress facts in the self-declaration, the bidder shall be liable to penalty as specified under section 27 of the Act.
- 5.4 Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant MSE Certificate issued by appropriate authority. It is in the interest of such MSE Vendors to furnish a copy of complete certificate to the concerned tender handling officer of OIL at least seven (7) days prior to the scheduled Bid Closing Date of the tender. Late communication in this regard and request for bid closing date extension on that plea shall not be entertained by Company.
- 6.0 Bidder seeking benefits of MSME and Purchase Preference Policy (Linked with Local Content) shall clearly indicate the same in the tender with proper documents as stipulated in the tender.
- 7.0 **Purchase Preference (Linked with Local Content) (PP-LC) is not applicable against this tender.**
- 8.0 OIL INDIA LIMITED (OIL) has upgraded its E-tender Portal. As part of the new system, the intending bidder must have Encryption Certificate along with Digital Signature Certificate (DSC) of Class III [Organization]. **All the Bids must be Digitally Signed using "Class III" digital certificate (e-commerce application) with 'Certificate Type: Organisation Certificate' as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than "Class 3 with Organisation's Name" digital certificate, will be rejected.**
- 9.0 EMD must be paid either through online mode or submitted as Bank Guarantee/LC. DD/Cheques/Cashier Cheque or any other mode will not be acceptable.

- 9.1 OIL has made arrangement for online confirmation of Bank Guarantee through SFMS Platform with Axis Bank, Guwahati. Therefore, bidders submitting Bid Security in the form of Bank Guarantee must route the BG through SFMS platform as per following details –

- a. (i) **MT 760/MT 760 COV for issuance of bank guarantee**
(ii) **MT 767/MT 767 COV for amendment of bank guarantee**

The above message/intimation shall be sent through SFMS by the BG issuing bank branch to Axis Bank, Guwahati Branch, IFS Code – UTIB0000140, Branch Address – Axis Bank Ltd., Guwahati Branch, Chibber House, G.S. Road, Dispur, Assam, Pin – 781005.

- b. **The Bidder shall submit to OIL the copy of SFMS message as sent by the issuing bank branch along with the original bank guarantee.**

- 9.2 **Bank Guarantee issued by a Scheduled Bank in India at the request of some other Non-Scheduled Bank in India shall not be acceptable.**

- 10.0 Bidders are requested to go through **the ‘Vendor User Manual’, ‘Guidelines to Bidders for participating in OIL e-tenders’, ‘New Instruction to bidders for submission of bid’ and ‘Vendor User Manual for e-tendering’** available in the e-portal home page before submitting offer in system.

- 11.0 **The items covered by this enquiry shall be used by Oil India Limited in DSIR registered and recognized in-house Laboratory of COEES Department and eligible for Concessional IGST. Necessary Certificate/Letter for availing concessional IGST for equipment meant for R&D purpose shall be issued by GENERAL MANAGER (COEES) as and when required. Indigenous bidder shall be eligible for concessional rate of GST for invoice valuing INR 10 lakh and above.**

Supplier shall arrange to provide all necessary documents to apply for the Certificate/Letter for availing concessional GST on receipt of request from OIL, if any. Further, supplier shall affect dispatch only on receipt of relevant certificates from OIL, failing which all related liabilities shall be to Supplier’s account.

- 12.0 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 Deputy General Manager - Materials (PL), Oil India Limited (Pipeline Headquarter), P.O. Udayan Vihar, Guwahati -781171 before 14.00 Hrs. IST on the Bid Closing Date** mentioned in the Tender.

- a) Bid Security(EMD) submitted in the form of Bank Guarantee.
b) Detailed Catalogue (if any).
c) Any other document required to be submitted in original as per tender requirement.

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.

- 13.0 Bidders are requested to examine all instructions, forms, terms and specifications in the tender. Failure to furnish all information required as per the tender or submission of offers not substantially responsive to the bid in every respect will be at the bidder’s risk and may result in rejection of its offer without seeking any clarifications.
- 14.0 Any deviation(s) from the tender specification should be clearly highlighted specifying justification in support of deviation.
- 15.0 Original Bid Closing Date shall be considered by OIL for evaluation of BRC Criteria in case of any extension of the original bid closing date.
- 16.0 Along with the technical bid, bidders must submit duly filled undertaking as per format provided vide **Annexure-GG** as undertaking towards submission of authentic information/documents.

- 17.0 The tender is invited under **SINGLE STAGE-COMPOSITE BID SYSTEM**. The bidder has to submit both the “TECHNO-COMMERCIAL UNPRICED BID” and “PRICED BID” 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 Price Schedule to be uploaded as attachment in the Attachment Tab “Notes and Attachments”.

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

Notes and Attachments

➔ Only price details should be uploaded

Technical attachments

➔ All technical bid documents except price details

Bidders are requested to go through the 'New Vendor Manual', 'Guidelines to Bidders for participating in OIL e-tenders', 'New Instruction to bidders for submission of bid' and 'Vendor User Manual for e-tendering' available in the e-portal home page before submitting offer in system.

- 18.0 For the convenience of the qualified Bidders and to improve transparency, the rates/costs quoted by bidders against OIL's e-tenders shall be available for online viewing by such Bidders whose price bids are opened by Company. A Bidder can view item-wise rates/costs of all other such peer bidders against the tender immediately after price bid opening, if the e-tender is floated by Company with PRICE CONDITION. In case the Price Bid is invited by Company through attachment form under "Notes & Attachments" (i.e., NO PRICE CONDITION), Bidder must upload their detailed Price-Bid as per the prescribed format under "Notes & Attachment", in addition to filling up the "Total Bid Value" Tab taking into account the cost of all individual line items and other applicable charges like freight, tax, duties, levies etc. Under NO PRICE Condition (i.e. Price Bid in attachment form), the "Total Bid Value" as calculated & quoted by the Bidder shall only be shared amongst the eligible bidders and Company will not assume any responsibility whatsoever towards calculation errors/omissions therein, if any. Notwithstanding to sharing the "Total Bid Value" or the same is whether filled up by the Bidder or not, Company will evaluate the cost details to ascertain the inter-se-ranking of bidders strictly as per the unloaded attachment and Bid Evaluation Criteria only. Online view of prices as above shall be available to the Bidders only upto seven days from the date of Price-Bid opening of the e-tender.

The screenshot shows the 'Create RFX Response' form. At the top, there are tabs: 'Submit', 'Read Only', 'Print Preview', 'Check', 'Technical RFX Response', and 'Close'. Below these, the form displays 'RFX Response Number 60038748' and 'RFX Number'. The 'RFX Owner' is 'BHARALI' and the 'Total Value' is '0.00 INR'. The form has several sections: 'RFX Information', 'Items', 'Notes and Attachments', 'Basic Data', 'Questions', and 'Technical Attachments'. The 'Event Parameters' section includes a 'Currency' dropdown set to 'Indian Rupee', a 'Detailed Price Information' dropdown set to 'No Price', and a 'Terms of Payment' dropdown. The 'Total Bid Value' field is highlighted with a red box. Annotations with blue callouts point to these fields: 'Bidder to select the currency of the Response' points to the 'Currency' dropdown; '“Total Bid Value” is mandatory in “No Price” RFX' points to the 'Detailed Price Information' dropdown; and '“Total Bid Value” considering all the taxes & duties.' points to the 'Total Bid Value' field.

- 19.0 Bidders must ensure that their bid is uploaded in the system before the tender closing date and time. Also, they must ensure that all documents which are to be submitted in a sealed envelope are also submitted at the address mentioned in note 12.0 above before **14:00 Hrs (IST)** on the bid closing date failing which the offer shall be rejected.
- 20.0 Other terms and conditions of the tender shall be as per "General Terms & Conditions for National Tender (National Competitive Bidding)" for e-Procurement as per Booklet No. MM/LOCAL/E-01/2005(For e-tenders). However, if any of the clause of the Bid Rejection Criteria / Bid Evaluation Criteria (BEC / BRC) contradicts the clauses in the General Terms & Conditions of the tender and/or elsewhere, those mentioned in the BEC/BRC shall prevail.
- 21.0 To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer may be summarily rejected.
- 22.0 **No press advertisement will be published regarding amendment to Bidding Document or extension of Bid Closing Date. The same will be uploaded in OIL's website and informed to all prospective bidders who have received the bidding documents. Bidders to keep themselves updated.**

Sd-
(M.B. SINGHA)
CHIEF MANAGER MATERIALS (PL)
FOR: CHIEF GENERAL MANAGER (PLS)

ANNEXURE - AA**TECHNICAL SPECIFICATION**

ITEM: ADVANCED POLARISATION MICROSCOPE CONSISTING Mot. 'Z', MOTORISED / CIRCULAR STAGE WITH ORTHOSCOPY & CONOSCOPY OBSERVATION, DIGITAL CAMERA, IMAGE ANALYSIS SOFTWARE & COMPUTER.

TECHNICAL SPECIFICATIONS

- 1.0 Power Supply: 230 \pm 10% volts, 50hz single phase AC.
- 2.0 Latest state of the art technology Optical Microscope with fully Motorized, Integrated Electronically Autofocused system for Orthoscopy & Conoscopy Observations with high resolution camera based image analysis system.
- 3.0 The system should be capable of observing the polished section of Sedimentary rock, Mineral samples in Oil & Air medium and displaying a clear image, based on high-resolution camera on the PC monitor.
- 4.0 The equipment to be attached with the latest Branded PC having Operating software for complete image processing and interactive, auto feature measurements.
- 5.0 AUTOFOCUSED MOTORISED RESEARCH POLARISED MICROSCOPE:**
- 5.1 Upright Integrated Electronically Mot. 'Z', Focus having Z-Resolution \leq 25 nm. With Frame mounted Touch screen monitor for interacting & controlling motorized components and change Observation for easy switching between different contrasting techniques. Illumination axis for transmitted and reflected light with mirror housing. Having Manually controlled Variable Field and Aperture diaphragm.
- 5.2 Should have an integrated Electronically Operated Auto focus drive with a resolution of minimum 25 nm, with stabilized regulating power supply for 12V / 100 W Quartz tungsten halogen illumination with motorized intensity control. The focus drive should have Manual coaxial "Coarse" and "Fine" focusing knobs for manual focusing and Focus Finder Button for protection at higher magnification objectives.
- 5.3 The System should have automatic setting of color temperature along with Light Manager & Contrast Manager capability to set Optimum Color-Contrast effect automatically.
- 5.4 Min. 6-Position motorized revolving Reflector turret for accommodating six various Reflector blocks for Reflected & Transmitted Polarization Observation.
- 5.5 The system should be equipped with a 6-Position Encoded (Readable from Computer) centering revolving nosepiece to accommodate 6 Nos. of Pol objectives.
- 5.6 Polarized Epi & Dia-illumination Optics with fully Apochromatically corrected beam path removing longitudinal Chromatic & Spherical aberration.
- 5.7 Transmitted & Reflected light illuminator with 12 Volt 100 Watt Halogen bulb.
- 5.8 Objectives with magnifications 2.5X, 5X, 10X, 20X, 50X and 100X (imm/Oil) for Incident & Transmitted light Pol Observation. All Objectives should be engraved with 'Pol' Mark.
- 5.9 Wide field paired 10X eyepieces with focusing front lens suitable for spectacle wearers (Field No. \geq 25 mm.) and with a measuring reticule in one of the eyepieces.
- 5.10 5 position Coded Tube Lens turret should have 1x lens with quartz plate iris diaphragm and focusable/centrable Bertrand lens for advanced Conoscopy.
- 5.11 The microscope should be equipped with a Software controlled motorized Scanning X-Y stage (minimum 75 x 50 mm) with an independent Joy stick/Track ball for manual operation. Stage controller should be provided.
- 5.12 Trinocular tube with light distribution facility (100/0: 0/100) for visual and photo ports. C-mount adaptor for attaching a high resolution digital camera.
- 5.13 360° Rotatable insertable Universal Analyzer with Lambda plate & Vernier 0.1 degree for Reflected & Transmitted illumination.
- 5.14 Individual 90° rotatable Polarizer for Reflected observation & Transmitted Polarizer should be Frame Mounted.
- 5.15 Depolarization slider for Reflected Observation to eliminate Pseudo Coloring / Contrast effect.
- 5.16 Compensator $\lambda/4$, Compensator λ should be provided.
- 5.17 The microscope should be equipped with 360° Rotatable Polarizing Stage with Click Stop, Vernier & Graduation. Attachable Mechanical X-Y stage should be provided.
- 5.18 Parfocality of Microscope Objectives should be maintained to obtain balanced Focus in All over the entire range of Magnification.
- 5.19 Universal Pol. Condenser with N.A. 0.9.
- 5.20 The Microscope & System should be Operated through Five ways i.e. Automatically, Manually through Knobs, Frame mounted minimum 10 Nos Pre-Programmed Buttons, By TFT monitor & Through Software from PC.

6.0 **OPTIONAL ITEMS:**

- 6.1 DIC & Circular DIC (C-DIC) sliders should be equipped with the System for advance 'Pol' Imaging of Samples with Fixed Stage position to Observe 4-Quadrant effect.
- 6.2 Double filter wheel for accommodating 8 Nos. of filters like Daylight, neutral density and panchromatic green filter to be included for Observation in various Wave Lengths.

7.0 **HIGH RESOLUTION DIGITAL CAMERA:**

- 7.1 High Performance microscopy camera incl. driver software. dual USB 3.0 & USB 2.0 connection.
- 7.2 No. of Pixels: minimum 1936 (H) x 1460 (V) = 2.8 Mega Pixels. Pixel size: minimum 4.54 μm x 4.54 μm . Chip size: equivalent to 2/3" (11 mm diagonal). Max. Full Well Capacity: Approx. 15,000 e.
- 7.3 Selectable color interpolation quality levels:
"High Speed Color" for fastest processing speed or
"High Quality Color" for best interpolation results
High Quality Black and White conversion mode.
- 7.4 Live frame rates minimum @38 fps - Highest Res. & minimum @93 fps - normal Res.
- 7.5 Dynamic Range: Typical >2500: 1. Interface through USB 2 & USB 3.
- 7.6 One stage Peltier cooling, regulated to 18°C sensor temperature.
- 7.7 Integration Time to be: 1 ms to 60 s. 36 bit RGB(12x3) colour depth with true color resolution.
- 7.8 The camera control and drivers should be seamlessly integrated into the control software. The software should be incorporated with all microscope control functions.
- 7.9 Live Relative Spectral sensitivity curve to display & control live R-G-B Contrast.

8.0 **IMAGE ANALYSIS SOFTWARE:**

- 8.1 A seamlessly integrated system software for total Microscope control, Scanning stage control and Camera control with the following imaging and image processing functions:
- 8.1.1 Automatic camera exposure control for optional image grabbing for Polarized and Fluorescence images.
- 8.2 The software should be capable of scanning the total sample field by field Automatically with automatic focus control and with an extended focus function for sharp images for even uneven surfaces.
The software should be capable of automatic image (grey image and binary image) processing with a possibility of interactive image processing for complicated and irresolvable images.
- 8.3 All the grabbed images should be displayed in a gallery mode for selection and interactive image analysis.
Automatic image analysis based on grey level segmentation for all morphological measurements like Grain size, Area Fraction, Volume analysis, Multiple Phase determination.
- 8.4 Image analysis software should be capable of all interactive Auto feature, Auto field, Auto Focus and intensity measurements and for all densitometry analysis for Reflectance and measurements.
- 8.5 System and application software back up to be provided. The system should have instructions for auto focus and predictive focus both.
- 8.6 All Motorized operations should be controlled through manually also.
- 8.7 Facility for Z-Stacking, Height Map Generation, 3D imaging, 3D Projection etc.
- 8.8 Optional: Future Up-gradation facility should be there for Combining with FESEM / SEM through Co-Relative Technique to combine LM - EM Images.

NOTE: MICROSCOPE, CAMERA & SOFTWARE SHOULD FROM SAME MANUFACTURER FOR OPTIMUM TECHNICAL COMPATIBILITY AND PERFORMANCE.

- 9.0 Manuals: One set of operating manual and service manual (in English) should be provided with the instrument. (Soft copy & Hard copy).
- 10.0 Spares: Spares required for three years of operation should be quoted separately. **Same shall not be considered for evaluation of Bid.**
- 11.0 **Warranty: Warranty shall be for 24(twenty-four) Months from the date of Installation.**
- 12.0 Computer & Printer: Suitable & applicable Branded Advanced PC (Latest Version - i5) along with 24" LED monitor and high resolution colour printer with duplex printing facility should be provided with the System as an Integrated part.
- 13.0 Installation & Commissioning: To be done at CoEES. Charges to be inclusive.
- 14.0 **Training: Training to be provided onsite at CoEES from experience trainer from vendor for atleast 4(four) days on "FREE OF COST" basis.**

- 15.0 Installation and commissioning should be done by trained engineers from the vendor at CoEES on "FREE OF COST" basis.**
- 16.0 CONFORMITY TO SPECIFICATIONS**
- 16.1 The bidder must fill the **Technical Compliance Sheet (Annexure - CC)** and submit along with the offer.
- 16.2 The technical specifications must conform to the requirements as mentioned in Specifications.
- 16.3 The bidder must confirm that the offered unit/goods are fresh manufacture.
- 16.4 For any bought out item their Catalogue/ technical literature etc. showing sectional drawing of each component along with the necessary maintenance spare parts, Identification number etc. shall be provided.
- 16.5 The bids and the accompanied technical documentation must be in English language only. The bids other than English language must have an English version.
- 16.6 The technical documents to be submitted along with the bid shall include -
- 16.6.1 Literature with detailed specifications, Make & Model of items.
- 16.6.2 Technical documents & Layout/Process flow diagram of the whole system.
- 16.6.3 Piping & Instrumentation Diagram (P&ID) for Instrumentation and Control system
- 16.7 The bidder must confirm that the offered optical polarizing microscope System shall perform at the desired level as mentioned in the specifications.
- 16.8 Bidder's response to all tender stipulations should clearly be defined. Bidder shall furnish specific details/specifications of all major components, systems with Make & Model, etc. Generalized response like "As per tender Specifications/Technical Leaflet", "Noted", "and Accepted" or in any similar fashion is not acceptable.
- 16.9 The supplier should also submit a list of companies to whom similar systems have been sold and are presently in operation.
- 17.0 COMMITMENTS OF THE SPARES**
- 17.1 The bidders must submit a written undertaking that they would be able to supply all the requisite spares and consumables for a minimum period of 10 (ten) years from the Certified date of completion / successful field commissioning of the unit.
- 17.2 The bidders must provide the commissioning spares at their cost along with the Equipment. They must submit a list of such spares.
- 17.3 Spares list for whole unit for 3-years trouble free operation must be quoted in their bids. The spare list shall contain the details of part nos., name OEM and other details as may be necessary for procurement of the parts quoted. While quoting for these spares the bidders must take in to account the consumption pattern of the spares as deemed fit. However, OIL reserves the right to decide to procure the whole of the quoted spares or part thereof. **However, the same will be not considered for bid evaluation. It is to be noted that the price quoted shall remain firm during this 3(Three) years period.**
- 18.0 THREE YEARS AMC**
- OIL may decide to go for a non-comprehensive Annual Maintenance Contract for a period of three years after the expiry of the warranty period. Charges for the Annual Maintenance Contract (AMC) for three years, after the expiry of warranty period, should be quoted with year-wise break up. **These charges will be used for evaluation purposes only.** The AMC requirements are mentioned below. However, the detailed and final scope for the AMC shall be as per contract of AMC at the time of awarding AMC contract.
- 18.1 The AMC shall come into effect after warranty period of the equipment.
- 18.2 The service contract will remain in force for three years w.e.f. date of acceptance of AMC contract.
- 18.3 The job will be certified by Centre Head-CoEES.
- 18.4 The payment will be released after each preventive maintenance visit on the instrument. It shall be certified and verified for the payment by Centre Head-CoEES on each of the bill copy.
- 18.5 OIL will not provide any accommodation or to and fro fare to the engineer deputed for preventive and breakdown maintenance.
- 18.6 Contractor shall make 2(Two) preventative and 1(one) breakdown maintenance visits in a year, for service and maintenance of equipments under the contract at free of cost.
- 18.7 The service agency will always depute trained service engineers with necessary tools and kits for servicing of instruments.
- 18.8 The bill should be submitted in triplicate in favour of Head-CoEES, Rukminigaon, Guwahati, Assam
- 18.9 **Non Performance Deductions (NPD):**
- 18.9.1 If Preventive Maintenance is not carried out by the CONTRACTOR within the time schedule as agreed through mutual consent, the NPD shall be made for amount equivalent to 10% of the Annual contract value.

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

ANNEXURE - BB**BID REJECTION CRITERIA & BID EVALUATION CRITERIA****1.0 BID REJECTION CRITERIA (BRC):**

The bids must conform to the specifications, terms and conditions given in the tender document. Bids shall be rejected in case the items 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 offer/ offers will be considered as non-responsive and is/are liable to be rejected, if the following conditions are not fulfilled:

(A) TECHNICAL

- 1.0 The bidder should be an Original Equipment Manufacturer (OEM) of Optical Polarizing (Petrological) Microscope.
OR
The bidder should be the authorized Dealer/Distributor/Sole Selling Agent/ Supply House of an Original Equipment Manufacturer (OEM).

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

If the bidder is a manufacturer, then they must satisfy the following criteria and furnish the relevant documentary evidences as under along with the technical bid:

- 2.1 The bidder should be Manufacturer of Optical Polarizing (Petrological) Microscope for the last five (5) years preceding the original bid closing date of the tender.
- 2.2 The bidder should have the credential of successfully executing 1(one) order for supply of atleast 1(One) no. Optical Polarizing (Petrological) Microscope to Academic institutes/ Universities /Research centres /Industries including Oil & Gas sectors anywhere in the world for Sedimentological studies with an in-built Electronically AUTOFOCUSED System extremely Precise Autofocus ability, capability of capturing Live Image Resolution of atleast 5.0 Mega pixels to Transfer & Display the Live Microscopic images in PC monitor for research purpose in the last 5 (five) years preceding the original bid closing date of the tender either by themselves or through their authorized dealer/distributor/sole selling agent/supply house.
- 2.3 The following supporting documents with respect to bidder's past supply experience as per para 2.2 must be uploaded/submitted along with the technical bid, failing which the bid shall be considered as incomplete/non-responsive and rejected.
- (i) Copy (ies) of purchase Order(s)/Contract(s) placed on the bidder by client(s).
 - (ii) In addition to copies of purchase orders/contracts, any of the following document or combination of documents that substantially confirm(s) successful execution of the order(s).
 - (a) Satisfactory completion certificate/performance report
 - (b) Tax Invoice etc.
 - (c) Consignee receipt delivery challan

Note: For the purpose of above clause, the date of those purchase order(s)/Contract(s) need not be within five (5) years preceding the bid closing date of the tender, but the date of execution must fall within the period of five (5) years prior to the original bid closing date of the tender.

3.0 IN CASE THE BIDDER IS NOT A MANUFACTURER:

If the bidder is a sole selling agent/distributor/dealer/supply house of any manufacturer (OEM), then the bidder must furnish the following documents along with their technical bid, failing which the bid shall be rejected:

- 3.1 Authorization Letter/Certificate from the Manufacturer (in original on manufacturer's letter head) should be submitted along with the technical bid. This certificate should be valid at the time of bidding and should remain valid throughout the duration of Purchase Order for execution, including extension, if any.

- 3.2 The bidder should have their own credential of successfully executing 1(one) order for supply of atleast 1(One) no Optical Polarizing (Petrological) Microscope to Academic institutes/ Universities /Research centres/Industries including Oil & Gas sectors anywhere in the world for Sedimentological studies with an in-built Electronically AUTOFOCUSED System extremely Precise Autofocus ability, capability of capturing Live Image Resolution minimum 5.0 Mega pixels (2584x1936) to Transfer & Display the Live Microscopic images in PC monitor for research purpose in the last 5 (five) years preceding the original bid closing date of the tender.
- 3.3 Documentary evidences in respect of bidders' supply experience as per para 3.2 above must be submitted with the technical bid, in the form of copies of relevant Purchase Orders along with copies of any of the following documents for satisfactory execution of each of those Purchase Orders, failing which the bids shall be rejected:
- (i) Copy (ies) of purchase Order(s)/Contract(s) placed on the bidder by client(s).
 - (ii) In addition to copies of purchase orders/contracts, any of the following document or combination of documents that substantially confirm(s) successful execution of the order(s).
 - (a) Satisfactory completion certificate/performance report
 - (b) Tax Invoice etc.
 - (c) Consignee receipt delivery challan

Note: For the purpose of above clause, the date of those purchase order(s)/Contract(s) need not be within five (5) years preceding the bid closing date of the tender, but the date of execution must fall within the period of five (5) years prior to the original bid closing date of the tender.

- 4.0 **Delivery: Delivery and Installation & Commissioning to be completed within 12 (twelve) weeks from the date issue of Purchase Order. However, Bidder to quote their best completion period. Bidders should categorically confirm in their technical bid that the tendered items will be supplied and installed within completion period, without which the bid will be rejected.**

(B) FINANCIAL:

- 1.0 Annual Financial Turnover of the bidder during any of preceding three financial/accounting years from the original bid closing date should be at least INR 23,67,164.00.
- 2.0 **Net Worth** of the bidder should be positive for the financial/accounting year just preceding to the original Bid Closing Date of the Tender.
- 3.0 Considering the time required for preparation of Financial Statements, if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the original bid closing date and the Financial Statements of the preceding financial/accounting year are not available with the bidder, then the financial turnover of the previous three financial/accounting years excluding the preceding financial/accounting year will be considered. In such cases, the Net worth of the previous financial/accounting year excluding the preceding financial/accounting year will be considered. However, the bidder has to submit an affidavit/undertaking certifying that the balance sheet/Financial Statements for the financial year (as applicable) has actually not been audited so far.

Notes:

- a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid: -
 - i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in **ANNEXURE- FF.**
 - OR
 - ii) Audited Balance Sheet along with Profit & Loss account.
- b) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

(C) **COMMERCIAL**

- 1.0 Bids are invited under **SINGLE STAGE COMPOSITE BID SYSTEM**. Bidders shall quote accordingly.
- 2.0 Bid security of **INR 94,700.00** shall be furnished as a part of the 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. 8.8 of General Terms & Conditions for National Tenders (National Competitive Bidding), Booklet No. MM/LOCAL/E-01/2005 (For E-tenders). **The Bid Security shall be valid till 18.05.2021.**
- 3.0 **Warranty:** As per Clause no. 11.0 under Annexure – AA (Technical Specification). Bidder to confirm the same in their offer.
- 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 Validity of the bid shall be minimum **90 days** from the Original Bid Closing date. Bids with lesser validity will be rejected.
- 6.0 All the Bids must be Digitally Signed using Class III digital certificate (e-commerce application) with 'Certificate Type: Organisation Certificate' as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than "Class 3" digital certificate, will be rejected.
- 7.0 Successful bidder will be required to furnish a Performance Bank Guarantee @10% of the order value. The Performance Security specified above must be valid for 3(three) months beyond the Warranty period indicated in the Purchase Order/contract agreement [*Please refer General Terms & Conditions for National Tenders (National Competitive Bidding), Booklet No. MM/LOCAL/E-01/2005 (For E-tenders)*]. Bidder must confirm the same in their Technical Bid. Offers not complying with this clause will be rejected.

Note: The validity requirement of Performance Security is assuming despatch within stipulated delivery period and conformation to all terms and conditions of order. In case of any delay in despatch or non-confirmation to all terms and conditions of order, validity of the Performance Security is to be extended suitably as advised by OIL.
- 8.0 MSME Bidders are exempted from payment of Bid Security (EMD) irrespective of their product category & capacity, subject to submission of valid MSME registration certificate issued by appropriate authority. Bids without EMD shall be rejected, if the technical offer does not include a valid copy of relevant MSE Certificate issued by appropriate authority.
- 9.0 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.
- 10.0 Bids containing incorrect statement will be rejected.
- 11.0 No offers should be sent by Telex, Cable, E-mail or Fax. Such offers will not be accepted.
- 12.0 The following points are deemed as "non-negotiable" and offer shall be rejected straightaway without seeking clarification:
 - i. Validity of bid shorter than validity indicated in the tender.
 - ii. Original Bid Security not received within the stipulated date and time mentioned in the tender.
 - iii. Bid security with (a) Validity shorter than the validity indicated in tender and/or (b) Bid security amount lesser than the amount indicated in the tender.
- 13.0 Bidder must accept and comply with the following clauses as given in the Bid Document, failing which bid shall be liable for rejection:

- i. Liquidated Damages (*Note: In case of deduction of LD, LD amount will be deducted along with applicable rate of GST*)
- ii. Guarantee of material
- iii. Arbitration / Resolution of Dispute
- iv. Force Majeure
- v. Applicable Laws

14.0 **DELIVERY ADDRESS:** The equipment is to be delivered and installed at the following address -

**CENTRE OF EXCELLENCE FOR ENERGY STUDIES,
OIL INDIA LIMITED, RUKMINIGAON,
G. S. ROAD, GUWAHATI,
ASSAM, INDIA
PINCODE: 781022
PHONE/FAX: 0361 - 2262555,
EMAIL: coe@oilindia.in**

15.0 **PRICE SCHEDULE:**

Bidder shall submit the Price Break up as per ANNEXURE - EE. Bidders should fill up the annexures, sign and upload under "Notes & Attachments" > "Attachments" only. Evaluation of offers shall be done on F.O.R. Destination, Guwahati basis.

15.1 The bids conforming to the specifications, terms and conditions stipulated in the enquiry and considered to be responsive after subjecting to the Bid Rejection Criteria will be considered for further evaluation as per the Bid Evaluation Criteria given below:

1. Basic Material Value including TPI, if any
2. Pre-despatch Inspection Charges, if any
3. Packing & Forwarding Charges, if any
- 4. Total Ex-Works Value (1+2+3)**
5. GST on Total Ex-Works Value (4)
6. Compensatory Cess, if any
- 7. Total FOR Despatching Station Value (5+6+7)**
8. Freight Charges upto destination
9. GST on Freight Charges (8)
10. Insurance Charges @0.5% of (7) inclusive of GST
11. AMC Charges (*1st year, 2nd year and 3rd year to be shown separately*)
12. GST on AMC Charges
13. Total Value (7+8+9+10+11+12)

15.2 **COMPARISON OF OFFER:** Comparison of offers shall be done on Total Value vide Srl. No. 13 (Total Value).

15.3 Domestic bidders must quote inland freight charges upto Destination. In case bidder fails to quote inland freight charges, highest freight quoted by domestic bidder (considering pro-rata distance) against this tender or OIL's estimated freight, whichever is higher, shall be loaded to their offer for comparison purpose.

15.4 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.

15.5 ***The items covered by this enquiry shall be used by Oil India Limited in DSIR registered and recognized in-house Laboratory of COEES Department and eligible for Concessional IGST. Necessary Certificate/Letter for availing concessional IGST for equipment meant for R&D purpose shall be issued by GENERAL MANAGER (COEES) as and when required. Indigenous bidder shall be eligible for concessional rate of GST for invoice valuing INR 10 lakh and above.***

- 15.5.1 Supplier shall arrange to provide all necessary documents to apply for the Certificate/Letter for availing concessional GST on receipt of request from OIL, if any. Further, supplier shall affect dispatch only on receipt of relevant letter/certificates from OIL, failing which all related liabilities shall be to Supplier's account.
- 15.6 Other terms and conditions of the enquiry shall be as per General Terms and Conditions for National Tenders (National Competitive Bidding), Booklet No. MM/LOCAL/E-01/2005 (For E-tenders). 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 National Tenders (National Competitive Bidding) of the tender and/or elsewhere, those mentioned in this BEC/BRC shall prevail.

ANNEXURE - CC**TECHNICAL COMPLIANCE SHEET**

The Technical Compliance Sheet must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark 'Yes' or 'No' and specify relevant page no. of your bid document where detail or compliance has been confirmed. **All Technical parameters should be reflected in Original OEM Brochure.**

S/NO.	PARTICULARS	COMPLIED/ NOT COMPLIED	REMARKS /PAGE NO. IN BID/ REFERENCE OF DOCUMENT IN BID
1.0	Power Supply : 230 \pm 10% volts, 50hz single phase AC		
	TECHNICAL SPECIFICATIONS		
2.0	Latest state of the art technology Optical Microscope with fully Motorized, Integrated Electronically Autofocused system for Orthoscopy & Conoscopy Observations with high resolution camera based image analysis system.		
3.0	The system should be capable of observing the polished section of Sedimentary rock, Mineral samples in Oil & Air medium and displaying a clear image, based on high-resolution camera on the PC monitor.		
4.0	The equipment to be attached with the latest Branded PC having Operating software for complete image processing and interactive, auto feature measurements.		
5.0	AUTOFOCUSED MOTORISED RESEARCH POLARISED MICROSCOPE:		
5.1	Upright Integrated Electronically Mot. 'Z', Focus having Z-Resolution \leq 25 nm. With Frame mounted Touch screen monitor for interacting & controlling motorized components and change Observation for easy switching between different contrasting techniques. Illumination axis for transmitted and reflected light with mirror housing. Having Manually controlled Variable Field and Aperture diaphragm.		
5.2	Should have an integrated Electronically Operated Auto focus drive with a resolution of minimum 25 nm, with stabilized regulating power supply for 12V / 100 W Quartz tungsten halogen illumination with motorized intensity control. The focus drive should have Manual coaxial "Coarse" and "Fine" focusing knobs for manual focusing and Focus Finder Button for protection at higher magnification objectives.		
5.3	The System should have automatic setting of color temperature along with Light Manager & Contrast Manager capability to set Optimum Color-Contrast effect automatically.		
5.4	Min. 6-Position motorized revolving Reflector turret for accommodating Six various Reflector blocks for Reflected & Transmitted Polarization Observation.		
5.5	The system should be equipped with a 6-Position Encoded (Readable from Computer) centering revolving nosepiece to accommodate 6 Nos. of Pol objectives.		
5.6	Polarized Epi & Dia-illumination Optics with fully Apochromatically corrected beam path removing longitudinal Chromatic & Spherical aberration.		
5.7	Transmitted & Reflected light illuminator with 12 Volt 100 Watt Halogen bulb.		

5.8	Objectives with magnifications 2.5X, 5X, 10X, 20X, 50X and 100X (imm/Oil) for Incident & Transmitted light Pol Observation. All Objectives should be engraved with 'Pol' Mark.		
5.9	Wide field paired 10X eyepieces with focusing front lens suitable for spectacle wearers (Field No. ≥ 25 mm.) and with a measuring reticule in one of the eyepieces.		
5.10	5 position Coded Tube Lens turret should have 1x lens with quartz plate iris diaphragm and focusable/centrable Bertrand lens for advanced Conoscopy.		
5.11	The microscope should be equipped with a Software controlled motorized Scanning X-Y stage (minimum 75 x 50 mm) with an independent Joy stick/Track ball for manual operation. Stage controller should be provided.		
5.12	Trinocular tube with light distribution facility (100/0: 0/100) for visual and photo ports. C-mount adaptor for attaching a high resolution digital camera.		
5.13	360° Rotatable insertable Universal Analyzer with Lambda plate & Vernier 0.1 degree for Reflected & Transmitted illumination.		
5.14	Individual 90° rotatable Polarizer for Reflected observation & Transmitted Polarizer should be Frame Mounted.		
5.15	Depolarization slider for Reflected Observation to eliminate Pseudo Coloring / Contrast effect.		
5.16	Compensator $\lambda/4$, Compensator λ should be provided.		
5.17	The microscope should be equipped with 360° Rotatable Polarizing Stage with Click Stop, Vernier & Graduation. Attachable Mechanical X-Y stage should be provided.		
5.18	Parfocality of Microscope Objectives should be maintained to obtain balanced Focus in All over the entire range of Magnification.		
5.19	Universal Pol. Condenser with N.A. 0.9.		
5.20	The Microscope & System should be Operated through Five ways i.e. Automatically, Manually through Knobs, Frame mounted minimum 10 Nos Pre-Programmed Buttons, By TFT monitor & Through Software from PC.		
6.0	OPTIONAL Items :		
6.1	DIC & Circular DIC (C-DIC) sliders should be equipped with the System for advance 'Pol' Imaging of Samples with Fixed Stage position to Observe 4-Quadrant effect.		
6.2	Double filter wheel for accommodating 8 Nos. of filters like Daylight, neutral density and panchromatic green filter to be included for Observation in various Wave Lengths.		
7.0	HIGH RESOLUTION DIGITAL CAMERA:		
7.1	High Performance microscopy camera incl. driver software. dual USB 3.0 & USB 2.0 connection.		
7.2	No. of Pixels: minimum 1936 (H) x 1460 (V) = 2.8 Mega Pixels. Pixel size: minimum 4.54 μm x 4.54 μm . Chip size: equivalent to 2/3" (11 mm diagonal). Max. Full Well Capacity: Approx. 15.000 e.		
7.3	Selectable color interpolation quality levels: "High Speed Color" for fastest processing speed or "High Quality Color" for best interpolation results High Quality Black and White conversion mode.		
7.4	Live frame rates minimum @38 fps – Highest Res. & minimum @93 fps – normal Res.		
7.5	Dynamic Range: Typical >2500: 1. Interface through USB 2 & USB 3.		
7.6	One stage Peltier cooling, regulated to 18°C sensor temperature.		

7.7	Integration Time to be : 1 ms to 60 s. 36 bit RGB(12x3) colour depth with true color resolution.		
7.8	The camera control and drivers should be seamlessly integrated into the control software. The software should be incorporated with all microscope control functions.		
7.9	Live Relative Spectral sensitivity curve to display & control live R-G-B Contrast.		
8.0	IMAGE ANALYSIS SOFTWARE:		
8.1	A seamlessly integrated system software for total Microscope control, Scanning stage control and Camera control with the following imaging and image processing functions: a) Automatic camera exposure control for optional image grabbing for Polarized and Fluorescence images.		
8.1.1	The software should be capable of scanning the total sample field by field Automatically with automatic focus control and with an extended focus function for sharp images for even uneven surfaces. The software should be capable of automatic image (grey image and binary image) processing with a possibility of interactive image processing for complicated and irresolvable images.		
8.2	All the grabbed images should be displayed in a gallery mode for selection and interactive image analysis. Automatic image analysis based on grey level segmentation for all morphological measurements like Grain size, Area Fraction, Volume analysis, Multiple Phase determination.		
8.3	Image analysis software should be capable of all interactive Auto feature, Auto field, Auto Focus and intensity measurements and for all densitometry analysis for Reflectance and measurements.		
8.4	System and application software back up to be provided. The system should have instructions for auto focus and predictive focus both.		
8.5	All Motorized operations should be controlled through manually also.		
8.6	Facility for Z-Stacking, Height Map Generation, 3D imaging, 3D Projection etc.		
8.7	Optional: Future Up-gradation facility should be there for Combining with FESEM / SEM through Co-Relative Technique to combine LM – EM Images.		
9.0	Manuals :		
	One set of operating manual and service manual (in English) should be provided with the instrument. (Soft copy & Hard copy).		
10.0	Spares:		
	Spares required for 3(three) years of operation should be quoted separately.		
11.0	Warranty : 24 Months from installation.		
12.0	Computer & Printer:		
	Suitable & applicable Branded Advanced PC (Latest Version – i5) along with 24” LED monitor and high resolution colour printer with duplex printing facility should be provided with the System as an Integrated part.		
13.0	Installation & Commissioning: To be done at CoEES. Charges to be inclusive.		
14.0	Training : Training to be provided onsite at CoEES by experience trainer from vendor for atleast 4 days at “free of cost” basis.		

ANNEXURE: DD**COMMERCIAL COMPLIANCE SHEET**

The Commercial Compliance Sheet must be completed and submitted with your offer. Please ensure that all these points are covered in your offer. These will ensure that your offer is properly evaluated. Please mark 'Yes', 'No' or 'Not Applicable' or specify against the following questions, in the right-hand column.

OFFER REF:			
NAME OF THE BIDDER:			
Srl. No.	Particulars	Bidder's Confirmation Yes/No/Not Applicable	Remarks
1	Whether bid submitted under Single Stage Composite Bid System?		
2	Whether ORIGINAL Bid Bond (not copy of Bid Bond) submitted exactly as per format? If YES, provide details -		
	(a) Amount		
	(b) Name of issuing Bank		
	(c) Validity of Bid Bond		
	(d) Whether Bid Bond is valid till		
3	Whether offered firm prices?		
4	Whether quoted offer validity of 90 days from the date of final bid closing of the tender?		
5	Whether confirmed delivery period as per tender?		
6	Whether quoted as per tender (without any deviations)?		
7	Whether quoted any deviation?		
8	Whether deviation separately highlighted?		
9	Whether agreed to the Warranty clause?		
10	Whether Price Bid submitted as per Price Schedule?		
11	Whether quoted all the items/qty. of tender?		
12	Whether indicated the country of origin for the items quoted?		
13	Whether technical literature / catalogue uploaded?		
14	Whether confirmed acceptance of tender Payment Terms?		
15	Whether indicated the place from where the goods will be dispatched. To specify:		
16	Whether road transportation charges up to Destination quoted?		
17	Whether offered Ex-works price including packing/forwarding charges?		
18	Whether weight & volume of items offered indicated?		
19	If Pre-despatch/shipment inspection charges applicable, whether quoted separately?		
20	Whether confirmed to submit PBG as asked for in tender?		
21	Whether agreed to submit PBG within 30 days of placement of order?		
22	Whether indicated import content in the offer?		
23	Whether all applicable Taxes & Duties have been quoted?		
24	Whether all BRC/BEC clauses accepted?		
25	Whether MSME? If yes, whether documents enclosed as per tender.		
26	Whether Annexure FF - Annual turnover & Net worth Certificate submitted?		
26	Whether affidavit/undertaking submitted certifying that the balance sheet/Financial Statements for the financial year (as applicable) has actually not been audited so far, if applicable?		
27	Whether Annexure – GG - Undertaking towards submission of authentic information/documents submitted.		

ANNEXURE: FF**CERTIFICATE OF ANNUAL TURNOVER & NETWORTH**

TO BE ISSUED BY PRACTISING CHARTERED ACCOUNTANTS' FIRM ON THEIR LETTER HEAD		
<u>TO WHOM IT MAY CONCERN</u>		
<p>This is to certify that the following financial positions extracted from audited financial statements of M/s..... (Name of the bidder) for the last 3 (three) completed accounting years upto.....(as the case may be) are correct.</p>		
YEAR	TURNOVER In INR (Rs.) Crores/ USD Million*	NET WORTH In INR (Rs.) Crores / USD Million*
<p>*Rate of conversion (if used any): USD 1.00 = INR</p> <p>Place:</p> <p>Date:</p> <p>Seal:</p> <p>Membership No.:</p> <p>Registration Code:</p> <p>UDIN:</p> <p>Signature:</p>		

***Applicable for Global Tenders.**

ANNEXURE - GG

**FORMAT OF UNDERTAKING BY BIDDERS TOWARDS SUBMISSION
OF AUTHENTIC INFORMATION/DOCUMENTS**

(To be typed on the letter head of the bidder)

Ref. No _____

Date _____

To,

**The Dy. General Manager (Materials)PL
Oil India Limited, Pipeline Headquarters
Narangi, Guwahati**

Sub: Undertaking of authenticity of information/documents submitted

Ref: Your tender No. _____ Dated _____

Sir,

With reference to our quotation no. dated..... against your above-referred tender, we hereby undertake that no fraudulent information/documents have been submitted by us.

We take full responsibility for the submission of authentic information/documents against the above cited bid.

We also agree that, during any stage of the tender/contract agreement, in case any of the information/documents submitted by us are found to be false/forged/fraudulent, OIL has right to reject our bid at any stage including forfeiture of our EMD and/or PBG and/or cancel the award of contract and/or carry out any other penal action on us, as deemed fit.

Yours faithfully,
For (type name of the firm here)

Signature of Authorised Signatory

Name :
Designation :
Phone No.
Place :
Date :

(Affix Seal of the Organization here, if applicable)

ANNEXURE – VII (Revised)**BID SECURITY FORMAT**

TO,

**OIL INDIA LIMITED
PIPELINE HEADQUARTERS
P. O. – UDAYAN VIHAR,
GUWAHATI - 781171
ASSAM, INDIA**

Whereas (herein after called 'the Bidder') has submitted their Bid No..... dated..... against OIL INDIA LIMITED, PIPELINE HEADQUARTERS, GUWAHATI, ASSAM, INDIA (hereinafter called the Purchaser) 's tender No..... for the supply of (hereinafter called 'the Bid') KNOW ALL MEN by these presents that we..... of having our registered office at (hereinafter called 'the Bank') are bound unto the Purchaser, in the sum offor which payment well and truly to be made to the said Purchaser, the Bank binds itself, its successors and assigns by these presents.

Sealed with the said Bank thisday of

THE CONDITIONS of this obligation are:

1. If the Bidder withdraws their Bid during the period of Bid validity specified by the Bidder,
or
2. If the Bidder, having been notified of the acceptance of their bid by the Purchaser during the period of bid validity:
 - a) fails or refuses to accept the order; or
 - b) fails or refuses to furnish the performance security
 or
3. If the Bidder furnishes fraudulent document/information in their bid.

We undertake to pay to the Purchaser up to the above amount upon receipt of their first written demand (by way of letter /fax/cable) without the Purchaser having to substantiate their demand, provided that in their demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or all of the conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including _____ (Bidder to indicate specific date as mentioned in the tender), and any demand in respect thereof should reach the Bank not later than the above date.

The details of the issuing bank and controlling bank are as under:

A. Issuing Bank

1. Full address of the bank:
2. Email address of the bankers:
3. Mobile nos. of the contact persons:

B. Controlling Office

1. Address of the controlling office of the BG issuing banks:
2. Name of the contact persons at the controlling office with their mobile nos. and email address:

Signature & Seal of the Bank

ANNEXURE - HH

Arbitration clause for Settlement of commercial disputes between Central Public Sector Enterprises (CPSEs) inter se and CPSE(s) and Government Department(s)/Organizations(s) - Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD).

In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in OPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22-05-2018.

ANNEXURE - II

STARTUP AND MSE VENDORS

In case a Startup *[defined as per Ministry of Commerce and Industry (Department of Industrial Policy and Promotion, DIPP) latest notification]*/ MSE is interested in supplying the tendered item but does not meet the Pre-Qualifying Criteria (PQC)/ Proven Track Record (PTR) indicated in the tender document, the Startup/MSE is requested to write a detailed proposal separately, and not against the present tender requirement, to the tender issuing authority about its product. Such proposals shall be accompanied by relevant documents in support of MSE (where applicable) or in case of Startup, following documents shall be given:

1. Certificate of Recognition issued by the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry, Government of India.
2. Certificate of incorporation.
3. Audited Profit & Loss (P&L) Statement of all the Financial Years since incorporation. In case where the Balance sheet has not been prepared, bidder shall submit a certificate in original from its CEO/CFO stating the turnover of the bidding entity separately for each Financial Years since incorporation along with a declaration stating the reason for not furnishing the audited P&L Statement. This certificate shall be endorsed by a Chartered Accountant/Statutory Auditor.

The Proposal shall be examined by OIL and OIL may consider inviting a detailed offer from the Startup/MSE with the intent to place a TRIAL or TEST Order, provided the Startup/MSE meets the Quality and Technical Specifications.

In case the Startup/MSE is successful in the Trial Order, the vendor shall be considered for PQC exemption/relaxation (as the case may be) for the next tender for such item till the time it remains a Startup/MSE.
