

OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT, ISLAMABAD
FOREIGN SECTION E

(To be completed, filled in, signed
and stamped by the principal)

ANNEXURE 'A'

Material VITRINITE REFLECTANCE/FLOURESCENCE MICROSCOPE
Tender Enquiry No PROC-FE/CB/G&RLAB-4651/2020
Due Date
Evaluation Criteria FULL

SCHEDULE OF REQUIREMENT

| Sr No | Description | Unit | Quantity | Unit Price (FOB) | Total Price (FOB) | Unit Price C & F BY AIR | Total Price C & F BY AIR | Deviated From Tender Spec. If Any |
|-------|--|--------|----------|------------------|-------------------|-------------------------|--------------------------|-----------------------------------|
| 1 | First and Second Line spare parts of Vitrinite Reflectance Microscope System and sample preparation system. Details in TOR.. | Number | 1 | | | | | |
| 2 | Vitrinite Reflectance and Fluorescence Microscope ISO 7404-5 and ASTM D2798. Min 5mp camera with full automation. Full Range of Reference Materials. Installation, Training at site. identificati and interpretation Software. Details in TOR. | Number | 1 | | | | | |
| 3 | Sample/slide preparation system Includes: Three (3) set of Automated Grinding/Polishing Machine with at least two wheel each with sample holder arm for 4 samples each. Consumables. Details in TOR. | Number | 1 | | | | | |

Note:

1. **Bid bond**: - Pursuant to tender clause # 2.2, 13 & 35.3.2, bid bond amounting to US\$ 2,450/- (USD Two Thousand Four Hundred and Fifty only) or equivalent in Pak Rupees should be submitted with the technical bid.
2. **Evaluation Criteria**: FULL CONSIGNMENT WISE ON C&F BY AIR ISLAMABAD BASIS.
3. **Shipment from ACU member Countries**: In case of shipment from ACU member countries, the LC beneficiary should be of that particular country from where the consignment is being shipped.
4. **Terms and conditions**:-Bidders are advised to carefully read all the terms and conditions of the Tender Document available at OGDCL website in the master tender document.
5. **Delivery Period**: 150 Days



Annexure "A"

TERMS OF REFERENCE

TENDER ENQUIRY NO. -

PROCUREMENT OF VITRINITE REFLECTANCE MICROSCOPE WITH ALL ACCESSORIES

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1. INTRODUCTION

Oil & Gas Development Company Limited (OGDCL) is a leading company in the exploration and exploitation of Oil and Gas in Pakistan. The operational G & R Labs has been established since the date of its creation (OGDCL) and it was equipped with latest market based equipment. The Geochemistry Branch of G & R Lab is the oldest unit and is well equipped with latest instruments of different discipline. Vitrinite Reflectance microscope is a tool to analyze thermal maturity (Ro) and maceral identification and quantification of rock samples which is not available in G&R Labs. The Ro & MI are the integral part of source rock identification. Which plays the vital role in present day oil industry norms. By the time oil industries are stepping towards precession of maceral identification. It is the basic tool for prospect evaluation, Shale Gas and other purpose of Oil and Gas Exploration.

2. OBJECTIVES/SPECIFICATIONS

- ❖ Vitrinite Reflectance System for Organic/Coal Petrography with full range of micro spectroscopy, full reflectance spectrum and full spectral fluorescence with all required softwares. Capable to analyze Vitrinite reflectance with precision 546nm, maceral identification, maceral counts, grades the energy contents of kerogen and petroleum source rock as per ISO 7404 and ASTM D2798 Standard Test Methods.
- ❖ Four (4) microscope objectives of different / required magnifications.
- ❖ Extra Blue and white lights with kit.
- ❖ Built-in Two light source with stabilizer.
- ❖ round revolving stage 360°.
- ❖ Color digital imaging, Minimum 5mp camera with full automation, measurement (mm/um) and configuration.
- ❖ Five different Certified Reference Materials/standards (04-2.5).



- ❖ Softwares should be capable with latest operating system. Latest PC with monitor connected with microscope via a high speed USB connection. The system should be equipped with all utility programs includes, MS-Office, anti-virus, PDF writer etc.
- ❖ Installation and Training of Operation at site
- ❖ Sample/slide preparation system Includes: Three (3) set of Automated Grinding/Polishing Machine with at least two wheel with variable speed, motorized sample holder arm for up to minimum four (4) samples with min 4 set of 200gm weights each, adjustable cycle time and plate speed. All chemicals, consumables, parts etc. including; Two (2) bottles of micro polish 0.3 μm (450g), one (1) bottle of micro polish 1 μm (450g), Liquid Diamond for polishing 1 μm (500ml), Liquid Diamond for polishing 3 μm (500ml), Liquid Diamond for polishing 6 μm (500ml), Diamond paste for polishing 0.25 μm (10g), Diamond paste for polishing 1 μm (10g), Diamond paste for polishing 3 μm (10g), Diamond paste for polishing 6 μm (10g), Lubricant (Five litters)
- ❖ First and Second Line spare parts of microscope and all sample preparation equipment.
- ❖ Warranty of all parts and complete machine including software should be at least one years from the date of installation at our lab. Local service and support.
- ❖ Installation at G&R Labs, Islamabad with training of operation.
- ❖ Five days advance interpretation training of four(4) experts.
- ❖ Bidder will be responsible for dispatch of all items to OGDCL on C&F by air at Karachi base. Payment of air freight up to Karachi will be the responsibility of bidder/ OEM. However dangerous items may be dispatch by sea or road.
- ❖ Bidder/OEM will submit following shipping documents to OGDCL: -
 - Commercial invoice.
 - Packing list.



- Air way bill.
- Successful test run certificate.
- Country of origin certificate.
- Warranty certificate.
- Any other relevant documents.

All relevant manuals.

3. FINANCIAL RATE FORMAT

The items ship to OGDCL and it carries the insurance cover as per international rule, abide by the both parties.

- i) Total price
- ii) Crating charge
- iii) Insurance charge
- iv) Air freight charge

4. TAXES

OGDCL will make deduction of taxes as per Government of Pakistan Rule / any other tax rate in accordance with the convention to avoid double taxation between GOP and bidder's country if any or any other amount announced time to time by GOP in this regard.

5. PAYMENT TERMS: -

Payment to OEM will be made through irrevocable letter of credit in US\$ Dollar against verified invoices after installation, commissioning and successful test run certificate signed & issued by OGDCL. (i) Vitrinite Reflectance Microscope main instrument ii) 1st and 2nd line spare parts iii) Sample preparation grinder/ polishing mill etc. iv) miscellaneous freight charges. All the payment in US \$. (Dollar).

6. DELIVERY TIME: -

- ❖ OGDCL expects the delivery time within 150 days after receiving date of LC. However, bidder may be relaxed by submitting a complete and realistic



schedule of delivery time. However, an early delivery of items shall be preferred.

7. INSTALLATION & COMMISSIONING AT OGDCL SITE: -

- ❖ OEM shall be responsible for installation/ commissioning and successful test run of machine at OGDCL G&R I-9, Labs Islamabad after custom clearance and its receipt at G&R lab I-9, Islamabad.

8. WARRANTY: -

During warranty period if machines malfunction, the OEM will repair/replace the machine/parts free of cost.

9. SUBMISSION OF PROPOSAL

The Firm/ Bidder interested in undertaking this venture may submit their bid /proposal to the office of Manager Procurement (*Foreign*), Supply Chain Management Department, OGDCL House, Jinnah Avenue, Blue Area, Islamabad. Technical and Financial proposal must be given separately in two sealed envelopes clearly marked

"BID FOR THE PROCUREMENT OF VITRINITE REFLECTANCE MICROSCOPE WITH ALL ACCESSORIES"

The technical part of the proposal must consist of detailed specification of Vitrinite reflectance microscope and sample preparation instruments and consumables. Details of overall experience of firm / bidder and experience of the firm / bidder in manufacturing and installation of instrument.

- The financial envelope of the proposal must contain total cost of the study (*in one number*) along with detailed item wise break up However financial bid will be evaluated on total cost basis.

10. EVALUATION CRITERIA

The financial proposal of bidders obtaining less than 80% points in total and less than 70% points in each category in the technical evaluation will not be opened. Technically responsive and financially lowest evaluated Firm/ Bidder in line with the bid evaluation criteria given in the TOR/ Scope of work will be considered for further process.