

**Oil & Gas Development Company Limited
Procurement Department, LAMABAD
FOREIGN SECTION E**

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

ANNEXURE 'A'

Material MUD LABORATORY EQUIPMENT
Tender Enquiry No PROC-FE/CB/WL-5052/2021
Due Date
Evaluation Criteria GROUP WISE

SCHEDULE OF REQUIREMENT

Sr No	Description	Unit	Quantity	Unit Price (FOB)	Total Price (FOB)	Unit Price C & F BY SEA	Total Price C & F BY SEA	Deviated From Tender Spec. If Any
Group A								
1	HPHT FILTER PRESS, WITH 175 ML SAMPLE CUP (Ofite Inc. Model 170-01 or equivalent)	Sets	5					
2	HPHT FILTER PRESS, WITH 500 ML SAMPLE CUP (Ofite Inc. Model 171-01-C or equivalent)	Sets	2					
3	RETORT KIT, 50 ML (Ofite Inc. Model 165-14-3 or equivalent)	Sets	6					
4	API FILTER PRESS (Ofite Inc. Model 140-30 or equivalent)	Sets	5					
5	EMULSION STABILITY METER (Ofite Inc. Model 131-50 or equivalent)	Number	4					
6	RESISTIVITY METER (Ofite Inc. Model 130-87 or equivalent)	Number	4					
7	THERMAL CUP FOR VISCOMETER (Ofite Inc. Model 130-38-35 or equivalent)	Number	20					
8	PRESSURIZED MUD BALANCE (Ofite Inc. Model 100-70 or equivalent)	Number	1					
Group B								
9	STIRRER, HEATED MAGNETIC (Corning Inc. Product Number 6796-220 or equivalent)	Sets	5					
10	3-SPEED MIXER WITH CUP (Hamilton Beach Inc. Model HMD-200 or equivalent)	Number	7					
11	WATER DISTILLATION UNIT (Nuve Inc. Model ND-4 or equivalent)	Number	1					
12	HEATING WATER BATH (MEMMERT GmbH Co. Model WTB-24 or equivalent)	Number	1					
13	HEATING OVEN (MEMMERT GmbH Co. Universal oven Model UN-55 or equivalent)	Number	1					

Note:

checked please


 21/05/2021
SAINA MAGSOOD
 Senior Mud Engineer
 Ext: 2221

NOTE:

1. Bid Validity: Bid must be **valid for 180 days** from the date of Technical Bid Opening

2. Bid Bond Amount:

Group-A: USD 2,230/- (United States Dollar Two Thousand Two Hundred and Thirty only)

Group-B: USD 370/- (United States Dollar Three Hundred Seventy only)

or equivalent Pak Rupees **valid for 210 days** from the date of Technical Bid Opening. Bidders are advised to carefully read all clauses related to Bid Bond in Tender Document (Press-Single Stage Two Envelope) – Updated” available on OGDCL website

3. Evaluation Criteria: - Each Group Wise CFR Karachi

4. Delivery Period: 90 days from establishment of LC

5. Bidders are advised to carefully read all the terms and conditions of the Tender Document “Master Set of Foreign Tender Document (Press-Single Stage Two Envelope) – Updated” available on OGDCL website which is an integral part of this Schedule of Requirement


6. "Bidders quoting equivalent parts must provide a certificate from at least three well renowned/E&P companies of foreign jurisdiction other than bidders/manufacturers own country, stating that equivalent (quoted parts) are used by them and performance of such parts is found satisfactory. Copies of purchase orders (unpriced) must also be provided. The certificate(s) / sale record is mandatory and due to non-submission thereof, the bid will be rejected."

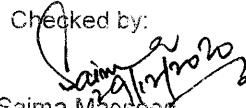
ANNEXURE-A1

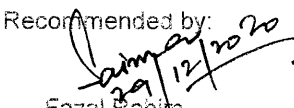
TECHNICAL SPECIFICATIONS

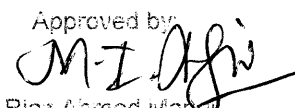
Each bidder should fill-in the tables given below with the properties of their quoted instrument / product. Only to write "conforming to" or "OK" will not be sufficient.

SR NO	REQUIRED TECHNICAL SPECIFICATION	SPECIFICATIONS OF OFFERED INSTRUMENT / PRODUCT	MANUFACTURER / MAKE/YEAR OF MANUFACTURING	MODEL NO	COUNTRY OF ORIGIN
1	HPHT Filter Press 175 ml (Ofite Inc. Model 170-01 or equivalent)				
	Maximum Temperature: 350°F (177°C) Maximum Pressure: Cell: 1,500 PSI Back Pressure: 750 PSI Pressure Connection: Nitrogen or CO ₂ Test Cell : SS, 175 ml Power: 230VAC, 50Hz Heater Power: 400 Watt				
2	HPHT Filter Press 500 ml (Ofite Inc. Model 171-01-C or equivalent)				
	Maximum Temperature: 500°F (260°C) Maximum Pressure: Cell: 1,500 PSI Back Pressure: 750 PSI Pressure Connection: Nitrogen or CO ₂ Test Cell : SS, 500 ml Power: 230VAC, 50Hz Heater Power: 800 Watt				
3	Retort Kit (50ml) (Ofite Inc. Model 165-14-3 or equivalent)				
	Capacity: 50 ml Material: Stainless Steel Case, Temperature Control: Electronic Temperature Controller, Power: 230VAC, 50Hz Heater Power: 350 Watts				

Prepared by:

 Wasim Butt
 Mud Engineer

Checked by:

 Saima Maqsood
 Sr. Mud Engineer

Recommended by:

 Fazal Rahim
 Dy. Chief Engr. (DF)

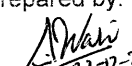
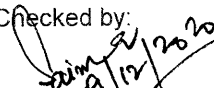
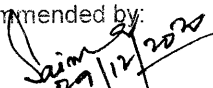
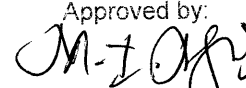
Approved by:

 Rizaz Ahmed Mang
 Manager I/C (DS)

for

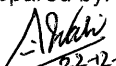
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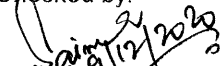
4	<p align="center">FILTER PRESS WITH REGULATOR, GAUGE & HOSE (LOW PRESSURE LOW TEMPERATURE) (Ofite Inc. Model 140-30 or equivalent)</p>			
	<p>Maximum Pressure: 250 PSI Pressure Source: Any non-hazardous fluid medium, either gas or liquid Filtration Area : 7.1-in² Filter Paper Size : 3.5 " (9 cm) Stainless Steel Test Cell , Built-in Pressure Regulator.</p>			
5	<p align="center">Emulsion Stability Tester (Ofite Inc. Model 131-50 or equivalent)</p>			
	<p>Voltage ramp rate:150 ± 10V/Sec Output voltage range: 0 to 2025 V Operating temperature range: 32° to 122°F (0° to 50°C) Power supply: Rechargeable batteries or 230VAC Adapter and one set of additional batteries for each unit.</p>			
6	<p align="center">Hot Plate with Magnetic Stirrer (Corning®, Product Number 6796-220 or equivalent)</p>			
	<p>Top Plate Size Minimum 4 X 5 Inch Operating Temperature 25 to 480°C Stirrer Speed = 60-1100 rpm Power: 230VAC, 50Hz</p>			
7	<p align="center">Resistivity Meter (Ofite Inc. Model 130-87 or equivalent)</p>			
	<p>Resistivity range: 0.01-200 ohms-meter Calibration: Automatic Power: Adapter 230VAC, 50 Hz or Rechargeable batteries (Preferably with adapter).</p>			
8	<p align="center">MIXER (Hamilton Beach® Model HMD-200 or equivalent)</p>			
	<p>Single spindle with three speed Power: 230 VAC, 50 Hz</p>			


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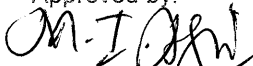
<p>Prepared by:  Wasim Butt Mud Engineer</p>	<p>Checked by:  Saima Maqsood Sr. Mud Engineer</p>	<p>Recommended by:  Fazal Rahim Dy. Chief Engr. (DF)</p>	<p>Approved by:  Riaz Ahmed Mangi Manager I/C (DS)</p>
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9	<p align="center">Water Distillation Apparatus (Nuve® Model ND-4 or equivalent)</p>			
	<p>Capacity: 4 ltr/hr Body: wall mounted with Glass or Stainless Steel body Automatic Controls: 1) Lower boiling tank level control 2) Low inlet pressure, water interruption 3) Empty boiling tank control 4) Heater failure Power: 230VAC, 50Hz</p>			
10	<p align="center">Thermostatically Controlled Viscometer Cup (Ofite Inc. Model 130-38-35 or equivalent)</p>			
	<p>Automatic temperature control cup for viscometers (Fann VG meter model 35, Ofite VG meter 800) Temperature range: up to 90°C Power: 230VAC, 50Hz</p>			
11	<p align="center">Pressurized Mud Balance (Ofite Inc. Model 100-70 or equivalent)</p>			
	<p>Measuring Range Sp.G (0.83-2.63) Measuring Scale Minimum 2 scale a) SG b) PPG Pressure range 360-1130 PSI/1000 ft</p>			
12	<p align="center">Heating Water Bath (MEMMERT GmbH Co. Model WTB-24 or equivalent)</p>			
	<p>Temperature range Ambient to 100°C Capacity: 22~24 Liters Depth: 8 inches Heater Wattage: (1000-1500) W Temperature Control: Digital Power: 230VAC, 50Hz</p>			
13	<p align="center">Heating Oven (MEMMERT GmbH Co. Universal Oven Model UN 55 or equivalent)</p>			
	<p>Capacity= 55 liter Temp Range = 20 to 300 °C Control = Single DISPLAY. Adaptive multifunctional digital PID-microprocessor controller. Timer = Digital backwards counter with target time setting, adjustable from 1 minute to 99 days Power: 230VAC, 50Hz (2000Watt)</p>			

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Mud Engineer

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Sr. Mud Engineer

Recommended by:

Fazal Rahim
for Dy. Chief Engr. (DF)

Approved by:

Riaz Ahmed Meng
Manager I/C (DS)

INSTRUCTIONS TO THE BIDDERS / TERMS & CONDITIONS

1. **CERTIFICATION REQUIREMENT:** The manufacturer of the quoted equipment must have valid ISO or any authentic certificate for manufacturing of quoted equipment according to API specifications.
2. All equipment must be brand new and have **useful life of minimum 10 years**. Confirmation to this effect to be provided with the technical offer. Bidders may quote respective or equivalent models. Unused & latest models for all indented equipments can be quoted.
3. Technical literature / complete set of brochures/ Service manual/ parts catalogue of the offered equipment and accessories/ spares/ softwares specifying Model, type & part no's, in original should be submitted with the technical offer.
4. The manufacturer must have minimum twenty (20) years' experience in the manufacturing of quoted equipments & accessories. Confirmation/ evidence of this fact must be submitted with the technical offer.
5. Country of manufacturing for each product will have to be mentioned clearly.
6. As per clause-26 of tender documents, an authority letter in original issued by the manufacturer in favor of bidder and from bidder in favor of local agent, to quote their product for this particular tender enquiry, duly signed/stamped, must be attached with the technical bid in case the bidder is not manufacturer.
7. The supply record of manufacturer for each equipment (mentioned in Annexure A-1) each year for at least last five (05) years to be submitted with the bid. The supply record should contain detail of equipment, quantity, name & contact number of customer, year of supply, (supply record of irrelevant items or in-complete record will not be acceptable).
8. Hard copies as well as one set in soft format, each of operational manual, service manual, maintenance manual and part catalogue of each equipment to be provided by the bidder with the consignment. Confirmation to this effect to be provided with the technical offer.
9. **WARRANTY/ GURANTEE:** Declaration in original covering one (01) year warranty / guarantee of equipments from the date of acceptance to be provided by manufacturer, free of cost replacement & commissioning of any defective part / assembly will be made by the supplier during warranty period.
10. Material will be inspected after its receipt at OGDCL base stores and OGDCL will inform about acceptance/ rejection of material. The material, if found not as per technical specifications of this particular tender enquiry even after its receipt at the OGDCL base store, will have to be replaced by the vendor with the material conforming to technical specifications with no additional cost to OGDCL. Confirmation to this effect to be provided with the technical offer.
11. All submitted bids will be evaluated strictly on the basis of TORs of this particular tender enquiry as well as previous performance (supply record as per shipment schedule of each consignment and PO/LC terms violation) of bidder, manufacturer and local agent, failing which will lead to disqualification of bid thereof.
12. **PACKING:** All the equipments should be boxed & packed in compact manner to ensure safe transportation during shipment. Confirmation to this effect should be provided with the technical offer.
13. **DELIVERY PERIOD:** 90 days after the establishment of LC.
14. **BID SUBMISSION:**
 - a. Bids must be offered with same point wise arrangement as per technical specification set in the tender documents.
 - b. Bidders must have to provide the technical compliance sheet (with the specifications of their quoted product. Only to write "conforming to" or "ok" will not be sufficient) with the technical bid for instant reference.
15. **EVALUATION CRITERIA:**
 - a. Each Group Wise.
 - b. Technically responsive and financially the lowest.


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Fazal Rahim
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