



OIL & GAS DEVELOPMENT COMPANY LIMITED
PROCUREMENT DEPARTMENT (LOCAL), ISLAMABAD
SCHEDULE OF REQUIREMENT

Material : **MUD CHEMICALS (ZINC BROMIDE & CALCIUM BROMIDE)**

Due Date:

Tender Enquiry No: **LE/PT/WS-18147/20**

Bid Bond Value : **MENTIONED BELOW**

EVALUATION WILL BE CARRIED OUT ON ITEM WISE

Attachment(if any) : **TOR**

Sr No	Description	Quantity	Make/Brand offered	Unit	Unit Price (PKR) Inclusive Of All Taxes Except GST	Unit Price (PKR) Inclusive of GST	Total Price (PKR) Inclusive of GST	Delivery Period Offered	deviation from Tender Spec. If Any
1	ZINC BROMIDE SOLUTION	200000		Litre					
2	CALCIUM BROMIDE SOLUTION	50000		Litre					

Special Note: The prospective bidders also download the master set of Tender Document

- The prospective bidders may keep in touch with OGDCL web site for downloading the clarifications/amendments (if any) issued by OGDCL.
- MATERIAL TO BE DELIVERED AT KDS, KARACHI, WITHIN 21 DAYS FROM THE DATE OF ISSUANCE OF LPO. PAYMENT WILL BE MADE AFTER DELIVERY. BID VALIDITY IS 120 DAYS AFTER TECHNICAL BID OPENING. BID BOND OF PKR4,116,000/- FOR LINE ITEM NO.1 AND PKR900,000/- FOR LINE ITEM NO.2.



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Mandatory Checklist

Please confirm the compliance of the following mandatory information along with the bid(s) (failing which bids(s) will not be accepted)

Documents	To be Attached with the Technical/Financial Bids	Compliance	
Original Bid Bond	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of NTN Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Copy of GST Certificate	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Confirmation that the Firm is appearing on FBR's Active Taxpayer List	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-A (Un-priced)	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-B	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-D	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-L on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-M on Company's Letterhead	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly signed and stamped Annexure-N on Non-Judicial Stamp Paper duly attested by Notary Public	Technical Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-A (Priced)	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-C	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>
Duly filled, signed and stamped Annexure-E	Financial Bid	Yes <input type="checkbox"/>	No <input type="checkbox"/>



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For the Vendors/Contractors who opt to submit Bank Draft/Call Deposit/Pay order against Bid Bond/Performance Bond, our Accounts Department has finalized an arrangement for online payment to such Vendors/Contractors, which will be processed through (IBFT & LFT) for which following information is required:

i.	IBAN No. (International Bank Account Number 24 Digits)	
ii.	Vendor Name as per Title of their Bank Account	
iii.	Contact No.of Company's CEO/ Owner (Mobile & Landline)	
iv.	Bank Name.	
v.	Bank Branch Name and Code	

Name, Sign and Stamp of the authorized official of the Bidder(s) _____

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TECHNICAL SPECIFICATIONS SHEET OF
CALCIUM BROMIDE/ZINC BROMIDE SOLUTION.

Calcium Bromide/ Zinc Bromide Solution ,because of its high density ,is used to formulate high density, solids free completion ,work over and packer fluids in a density range of 1.39-1.73/1.73-2.20 SG ,as it is Non damaging to the formation ,thermally & chemically stable. It can be blended with others solutions containing bromides & chlorides .These chemicals are used as completion fluid for pay zone in high Pressure wells pay zone.

such fluids may also comprise calcium chloride and/or a soluble film-forming amine-based corrosion inhibitor. Such fluids under conditions of ordinary use exhibit low corrosion rates and have crystallization points lying well below the range of temperatures under which they used.

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

A) **TECHNICAL SPECIFICATIONS:**

1):- **ZINC BROMIDE SOLUTION**
(72% ZnBr₂, HAVING S.G 2.30)

Sr. No	DESCRIPTION	REQUIRED SPECIFICATION	PROPERTIES OF THE QUOTED PRODUCT
1.	Physical State	Clear brine	
2.	% of ZnBr ₂ (by weight)	72 % Minimum	
3.	Chloride content	0.2 % Max	
4.	Sulphate Content	0.05 % Max	
5.	Heavy metal as lead	5 ppm Max	
6.	Iron	10 ppm Max	
7.	Specific Gravity	2.30 (Minimum)	
8.	pH	4 - 5	
9.	Water insoluble	None	

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2) :- CALCIUM BROMIDE SOLUTION

SR.NO	DESCRIPTION	REQUIRED SPECIFICATION	PROPERTIES OF THE QUOTED PRODUCT
1.	Physical State	Clear Brine	
2.	Purity as CaBr ₂	52% (Minimum)	
3.	pH (5% solution at 25 °C)	6.0 – 8.0	
4.	Specific Gravity	1.7 (Minimum)	

C) NECESSARY DATA:

S. No.	Description		
01.	A	Name of Bidder	
	B	Complete address, telephone, e-mail and fax numbers of bidder	
02.	A	Name of Manufacturer	
	B	Name of authorized signatory of manufacturer	
	C	Complete address, telephone, e-mail and fax numbers of manufacturer	
03.	Minimum shelf life of product.		Attached/Not attached
04.	Product Data Memorandums of Zinc Bromide & Calcium Bromide Solution in original printed by manufacturer.		Attached/Not attached
05.	Material Safety Data Sheets of Zinc Bromide & Calcium Bromide Solution in original printed by manufacturer.		Attached/Not attached
06.	Valid ISO certificate for manufacturing quoted product / Mud Chemicals		Attached/Not attached

PACKAGING:

The Zinc Bromide / Calcium Bromide Solution should be packed in IBCs (1 M³) as per standard packing of IBCs New, leak proof, rebottled, blow mold manufacturer inner HDPE Liner. Galvanized steel exterior cage, compose steel, integrated pallet base 6" threaded top fill port, 4 way pallet jack, 4 way forklift access in non-returnable leak proof. The packaging of the material should be of international standards and capable to safe transportation during road journey from manufacturing facility to OGDCL stores and well and to withstand prolonged weather conditions at the storage points and at the well sites / locations.

INSTRUCTIONS TO THE BIDDERS/ TERMS & CONDITIONS:

1. Bids evaluation criteria is technically responsive and financially the lowest.
2. **Delivery period** of the quoted product should not be more than **21 Days after issuance of LPO.**
3. **Minimum shelf life** of the quoted product **should not be less than 03 years.**
4. Technical Specifications Sheet of the quoted product duly filled-in must be enclosed in the technical bid.
5. The bidder has to provide the complete name and address of Manufacturer of the quoted product. Product Data Memorandums & Material Safety Data Sheets of Zinc Bromide & Calcium Bromide Solution in original printed by the manufacturer must also be enclosed with the bid.
6. All submitted bids will be evaluated strictly as per TOR of tender inquiry as well as on the basis of previous performance (supply record) of bidder/ manufacturer, failing which will lead to disqualification of Bid thereof.
7. All the bidders must have to provide/ submit the **1 Liter sample**, along with bid of the each quoted product (conforming to OGDCL requirement as per Section (A-1, A-2).
8. Prior to shipment of the material, if desired by OGDCL, the supplier of the product will be responsible for carrying out the inspection & Lab analysis of the material from the OGDCL approved inspecting agency/Lab for confirmation of material as per tender specifications. The inspector will be hired by OGDCL .After physical inspection, one representative sample of the chemical will be dispatched by the inspectors directly to OGDCL. Later on its Lab Evaluation report will be submitted directly to OGDCL. After examination/scrutiny, OGDCL will inform about acceptance/rejection of material/report. Acceptance of the results will be binding over the supplier.
09. Material will be accepted after the physical inspection & lab evaluation report of the representative sample drawn by the inspection committee from the material delivered at required location.
10. On receipt of the material, if it is found substandard after testing/use, then the supplier shall have to lift the entire rejected consignment and replace the substandard material with the material conforming to the tender specifications at his own cost within one month.
11. The manufacturer of the quoted product must have valid authentic ISO 9001-2015 certificate for manufacturing/ production of the quoted product / Mud chemicals and must be enclosed in the bid.

(3)

TOR / Scope of Work for Third Party Pre-Shipment Inspection of
200 NOs IBCs of Zinc Bromide & 50 NOs IBCs of
Calcium Bromide

Inspecting agency will have to fulfill following terms and conditions in connection to third party inspection related to consignment of 200 NOs IBCs OF Zinc Bromide & 50 NOs IBCs of Calcium Bromide prior to shipment as per delivery schedule against Indent # WS(MUD)-393/04/2020 at the premises of the Bidders facility in Pakistan i.e. (-----)

- a. Carry out physical inspection regarding quantity and packaging of material in accordance with Packing Requirement as per below given detail at Bidder's facility.

Packing Requirement:

The chemical should be packed in IBCs (1 M³) as per standard packing of IBCs New, Leak-proof, rebottled, blow mold manufacturer inner HDPF liner. Galvanized steel exterior cage, compose steel, integrated pallet base 6" threaded top fill port, 4 way pallet jack, 4 way forklift access in non-returnable leak proof. The packaging of the material should be of international standards and capable to safe transportation during road journey from manufacturing facility to OGDCL stores and well and to withstand prolonged weather conditions at the storage points and at the well sites / locations.

- b. Draw random samples as per laid down procedure of agency selecting Square Root of Total sacks from the material ready for shipment, mix all the samples thoroughly to get one (01) composite sample and divide it in 04 (Four) equal parts.
- c. 01 Sample to be tested in 3rd party Lab or witnessed by TPI inspector in Bidder's Lab, 01 each to be kept with bidder & TPI inspector respectively for their record and 4th Sample duly sealed by TPI firm to be dispatched to OGDCL at the following address :-

Manager (WS)

Room No.308, 3rd Floor,

Tower-A. OGDCL House, Plot No.3013(New)

F-6/G-6,Blue area, Jinnah Avenue Islamabad, Pakistan

Tel:0092-51-920023737.

- d. The Third Party Inspection firm will be bound to dispatch the Inspection report along with Lab analysis Report; completed in all aspect by courier within 3 days. An advance scanned copy must be communicated immediately after inspection to following addresses:
- i- riaz_mangi@ogdcl.com, Manager Incharge (Drilling Services)
 - ii- ijaz_janjua@ogdcl.com. Manager (SCM)-LP
 - iii- saima_maqsood@ogdcl.com Sr. Mud Engineer
- e. Since the scope of work includes the inspection of chemical followed by the laboratory testing therefore the TPI inspector for testing of sample must be a chemist / chemical engineer having past experience of Mud chemicals testing or competent enough for completion of assignment.

- f. The TPI firms are required to mention in their proposal that testing would either be done in TPI firm's lab / third party lab or Bidder's lab duly witnessed by TPI inspector (if lab facility is not available with TPI firm) and testing charges be quoted accordingly.
- g. The TPI firms are required to mention in their Techno-Commercial proposal the charges for physical inspection and chemical analysis separately.
- h. The TPI firms are required to draw samples as per "clause-c" and one sealed sample to be dispatch directly to OGDCL. The sample courier charges be quoted in separate line item in the proposal.
- i. Above mentioned terms and conditions should be followed in its true letter and spirit.

**LAB EVALUATION OF 200 NOs IBCs OF ZINC BROMIDE & 50 NOs
IBC's OF CALCIUM BROMIDE**

1):-

ZINC BROMIDE SOLUTION

(72% ZnBr₂, HAVING S.G 2.30)

Sr.No	DESCRIPTION	REQUIRED SPECIFICATION	PROPERTIES OF THE QUOTED PRODUCT
1.	Physical State	Clear brine	
2.	% of ZnBr ₂ (by weight)	72 % Minimum	
3.	Chloride content	0.2 % Max	
4.	Sulphate Content	0.05 % Max	
5.	Heavy metal as lead	5 ppm Max	
6.	Iron	10 ppm Max	
7.	Specific Gravity	2.30 (Minimum)	
8.	pH	4 - 5	
9.	Water insoluble	None	

2) :-

CALCIUM BROMIDE SOLUTION

SR.NO	DESCRIPTION	REQUIRED SPECIFICATION	PROPERTIES OF THE QUOTED PRODUCT
1.	Physical State	Clear Brine	
2.	Purity as CaBr ₂	52% (Minimum)	
3.	pH (5% solution at 25 °C)	6.0 – 8.0	
4.	Specific Gravity	1.7 (Minimum)	

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