

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

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

ANNEXURE 'A'

Material Procurement of Mud Chemical (PAC-LV)
 Tender Enquiry No PROC-FA/CB/WS/PAC-LV/4721/2020
 Due Date
 Evaluation Criteria FULL PKG.

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
1	POLY ANIONIC CELLULOSE, LOW VISCOSITY (PAC-LV)	Metric Ton	300					

Note:

- Bid Bond Amount:** Bid(s) must be accompanied by an upfront bid bond in the form of pay order/ demand draft or bank guarantee issued by scheduled bank of Pakistan or a branch of foreign bank operating in Pakistan for an amount of US \$10,500/= (United States Dollar Ten Thousand Five hundred Only) or equivalent Pak Rupees, with technical bid and valid for 150 days from the date of opening of the bids.
- Delivery period:** Delivery period of the quoted product should not be more than 90 days from the date of establishment of Letter of Credit (LC).

TECHNICAL SPECIFICATIONS SHEET OF
POLY ANIONIC CELLULOSE – LOW VISCOSITY (PAC-LV)

Poly Anionic Cellulose-Low Viscosity (PAC- LV) is a short chain Polymer (as compared to PAC-Regular) and thus used for filtration control in all types of water base drilling fluids ranging from fresh to salt saturated waters, when substantial increase in the viscosity is not desired. It also has shale inhibitive characteristics. It is readily dispersible in water base mud systems from fresh to salt saturated mud. It is compatible with inhibitive salt mud systems containing Sodium Chloride, Potassium Chloride or Gypsum. It is also non-fermentable.

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

A) TECHNICAL SPECIFICATIONS

SR. NO	DESCRIPTION	REQUIRED SPECIFICATION	PROPERTIES OF THE QUOTED PRODUCT
01.	Appearance	Off white, free flowing powder.	
02.	%age of PAC as (Na-CMC)	75 % (Minimum)	
03.	Degree of substitution	1.0 (Minimum)	
04.	pH of 1% solution (at 25 °C)	7 – 9 Approx.	
05.	Moisture content	10 % (Maximum)	
06.	Bulk Density, (g/L)	600-800	

B) PERFORMANCE TESTS:

SR. NO.	PERFORMANCE TESTS	REQUIRED SPECIFICATIONS	EXACT VALUE OF THE OFFERED PRODUCT
01.	Apparent viscosity (cp) of 1% (w/v) suspension of product at 24±2 °C, prepared by stirring for 15minutes in Hamilton Beach Mixer at high speed in; <ul style="list-style-type: none"> I. Distilled Water II. 4% salt water prepared by dissolving 4gm LR grade NaCl in 100ml of distilled water. 	20 CP (Maximum) 16 CP (Maximum)	
02.	Yield of 15cp (apparent viscosity) suspension, prepared by stirring for 15minutes in Hamilton Beach Mixer at high speed in; <ul style="list-style-type: none"> I. Distilled water II. 4% salt solution as prepared at 1(II). 	90Cum/M.Ton (Min) 70 Cum/M.Ton (Min)	
03.	<p><u>Performance in fresh water mud:</u></p> <p>(a) <u>Preparation of Base Mud</u> Prepare 10% Bentonite (w/v) suspension using API grade Bentonite in distilled water, age for 24 hrs at 90°C, dilute with distilled water, stir for 15 minutes in Hamilton Beach Mixer at high speed, treat with 10% NaOH solution to adjust pH 9.0-9.5. & Apparent viscosity 15-20 CP at 25°C. Also determine Yield Point & Water Loss.</p> <p>(b) Treat Base Mud at 3(a) with 0.5% (w/v) of PAC-LV. Stir for 15 minutes in Hamilton Beach Mixer at high speed. Divide into two parts.</p> <p><u>Performance at 25 °C</u></p> <ul style="list-style-type: none"> i- Apparent Viscosity ii- Yield Point iii- API Water Loss <p><u>Performance at 120 °C</u> Age second portion of the mud at 3(b) in hot rolled condition at 120°C for 24 hours. After aging, cool it down to 25°C , stir for 6 minutes in Hamilton Beach Mixer at high speed & determine</p>	2.5 times of 3(a) (Max) 1.5 times of 3(a) (max) 50 % of 3(a) Max	

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	i- Apparent Viscosity ii- Yield Point iii- API Water Loss	2.5 times of 3(a) (Max) 1.5 times of 3(a) (max) 50 % of 3(a) Max		
04	<p><u>Performance test in salt water mud:</u></p> <p>(a) <u>Preparation of Base Mud</u> Prepare 10% Bentonite (w/v) suspension using API grade Bentonite in distilled water, age for 24 hrs at 90°C, To this suspension, add 4% (w/v) Sodium Chloride (NaCl) at room temperature (by dissolving 20 gram of NaCl salt in 500 ml distilled water), treat with 10% NaOH solution to adjust pH 9.0-9.5. Dilute with 4% (w/v) salt water to attain Apparent viscosity 15-20 CP at 25°C. Also determine Yield Point & Water Loss.</p> <p>(b) Treat Base Mud at 4(a) with 0.5% (w/v) of PAC-LV. Stir for 15 minutes in Hamilton Beach Mixer at high speed. <u>Performance at 25°C .</u></p> i- Apparent Viscosity ii- Yield Point iii- API Water Loss		2 times of 4(a) (Max) 1.5 times of 4(a) (max) 25 % of 4(a) Max	

C) NECESSARY DATA:

S. No.	Description		
01.	A	Name of Bidder	
	B	Name of authorized signatory of bidder	
	C	Complete address, telephone, e-mail and fax numbers of bidder	
02.	A	Name of Local agent	
	B	Name of authorized signatory of local agent	
	C	Complete address, telephone, e-mail and fax numbers of local agent	
03.	A	Name of Manufacturer	
	B	Name of authorized signatory of manufacturer	
	C	Complete address, telephone, e-mail and fax numbers of manufacturer	
	D	Website of manufacturer	

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04.	Brand Name of Product	
05.	Country of origin	
06.	Port of shipment	
07.	Minimum shelf life of product	

D) SALES ACHIEVEMENTS:

Names of at least 07 clients / sales achievement (E & P companies only) other than OGDCL whom supplied the quoted product in bulk quantity (not less than **50 M.Ton**) with contract numbers and quantities during the last Five(05) years commencing from year 2015 as a proof of Five (05) years' experience.

SR. NO.	NAMES OF CLIENTS WITH ADDRESS AND TELEPHONE NOS.	CONTRACT / PURCHASE ORDER NOS. WITH DATE	QUANTITY SUPPLIED (M.TON)

E) NECESSARY ATTACHMENTS FOR TECHNICAL BID:

SR. NO.	DESCRIPTION	ATTACHED/ PROVIDED OR NOT.
01.	Product Data Memorandums of quoted product / mud chemical in original printed by manufacturer.	Attached/ Not attached
02.	Material Safety Data Sheets of quoted product / mud chemical in original printed by manufacturer.	Attached/ Not attached
03.	Valid ISO-9001-2008 certificate for manufacturing / Production of the quoted product / mud chemical.	Attached/ Not attached
04.	Original authority letter issued by the manufacturer to bidder for quoting their product.	Attached/ Not attached
05.	1 Kg sample of quoted chemical.	Provided/ Not provided

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PACKAGING:

The chemical should be packed as **25kgs** net per bag in export quality new multi-wall paper bags having thick, high density inner polythene liner for rendering the material completely moisture proof. The material should be palletized as **500-1000 KG**, wrapped with thick polyethylene sheet and tightly strapped. The packaging of the required mud chemical should be of international standards and capable to safe transportation during ocean / road journey from port of shipment to well site and to withstand harsh weather conditions at the storage points and at the well sites / locations.

MARKING:

Each bag should have clearly legible marking, as given below;

- (a) Name of the product.
- (b) Name of the Manufacturer.
- (c) Date/month/ year of manufacture.
- (d) Minimum shelf life
- (e) Supply order number against which supplies are made.
- (f) Lot No. _____ / Batch No. _____.

INSTRUCTIONS TO THE BIDDERS/ TERMS & CONDITIONS:

1. Bids evaluation criteria is technically responsive and financially the lowest.
2. The manufacturer of the quoted product must have minimum **05** years' experience of manufacturing & supplying of indented chemical to E & P companies specifically, duly supported by valid authentic **ISO 9001-2008** certificate as a proof for manufacturing/ production of the quoted product / Mud chemical consecutively from last 05 years. Bidder must provide inquiry guidance to confirm authenticity of ISO certificate. In case of any ambiguity, the certificate will be verified from issuing authority. The certificate duly submitted along with bid will be considered final. No additional certificate will be entertained at any stage of the case.
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. **Delivery period** of the quoted product should not be more than **90 Days after opening of letter of credit (LC)**. However, the supplier must commence consignment wise delivery within 45 days as per following schedule, failing which action will be taken as per rules

Description	1 st Consignment	2 nd Consignment
PAC-LV	150 M.Ton within 45 days after opening of Letter of Credit (LC)	150 M.Ton in next 45 days after 1 st consignment

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 as per shipment) of bidder, manufacturer and local agent, failing which will lead to disqualification of Bid thereof.

7. An authority letter in original issued by the manufacturer for allowing the bidder 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.
8. All the bidders must have to provide/ submit the **1 Kg sample** of the quoted product (conforming to OGDCL requirement as per Section **(A & B)** along with technical bids at the time of bid submission. The valid receipt/tracking details supplied through national / international courier services has to be accompanied with the bid. If the sample is not submitted with the bid, it will not be accepted in any case & will lead to disqualification of bid.
9. The quoted product or item from country of origin **"INDIA"** is not acceptable as per SRO-927(I)/2019 dated 09-08-2019.
10. 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.
11. Shipment is required to be made in containers for minimizing damages to the costly Chemical.
12. The final acceptance of the requisite consignment will be made after physical inspection of shipment & Lab analysis of representative sample for conforming to technical specs of tender documents. The lab analysis will be undertaken at OGDCL own or any other reputable lab of OGDCL choice and acceptance of the results will be binding over the supplier.
13. Material must have to be lifted back by the vendor if not found as per technical specification of this particular tender enquiry even after its delivery at the base stores and have to replace with the material conforming to technical specifications with no cost to OGDCL.
14. If any of the information provided by the bidders proves wrong or any counterfeited/unlawful document is submitted to mislead department, OGDCL reserves the right to disqualify such bids without further assigning any reason. Such bidders will not be eligible to bid for any future procurement.

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