

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

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

ANNEXURE 'A'

150 M TON KLS

Enquiry No PROC-FA/CB/WS-5193/2021

ion Criteria FULL

SCHEDULE OF REQUIREMENT

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
CHROME FREE POT.LIGNOSULFONATE.	Metric Ton	150					

- Bid Bond Amount: US \$ 5,058/- (United States Dollar Five thousand of fifty eight only) or equivalent Pak Rupees valid up to 210 Days from the date of technical bid opening
- Mode of Bidding: Single stage two Envelope basis.
- Evaluation Criteria: - Full Consignment wise C&F By Sea
- Delivery Period: 90 Days from establishment of LC
- Bid Validity: 180 Days
- Bidders are advised to carefully read all the terms and conditions of the MASTER SET OF FOREIGN TENDER DOCUMENT (PRESS-SINGLE STAGE TWO ENVELOP) available on OGDCL website which is an integral part of this Schedule of Requirement

TECHNICAL SPECIFICATIONS SHEET OF
POTASSIUM LIGNOSULPHONATE (KLS)

Potassium Lignosulphonate is an effective thinner for dispersed water base drilling fluids as well as it assists in controlling of fluid loss. It also minimizes effects of high temperature gelation in Bentonite muds.

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:

SR. NO.	PROPERTIES	REQUIRED SPECIFICATIONS	EXACT VALUE OF THE OFFERED PRODUCT
01.	Physical state	Free flowing powder, free from dirt and any foreign material.	
02.	Solubility	5% solution (w/v) should not leave any residue.	
03.	Moisture Content	8% Maximum	
04.	Active sulphonated Lignin content	85% Minimum	
05.	pH of 5% Solution	3-6 Approx.	
06.	Chromium content	0.01% Maximum	
07.	Potassium ions content	3-5 % (Minimum)	
08.	Lignosulphonate group	Positive	

B) PERFORMANCE TEST:

SR. NO.	PERFORMANCE TESTS	REQUIRED SPECIFICATIONS	EXACT VALUE OF THE OFFERED PRODUCT
01.	<p>a) Prepare 800 ml of 10% (w/v) of API bentonite suspension in distilled water by stirring for 30 minutes with laboratory stirrer and age for 48 hrs at $90 \pm 2^{\circ}\text{C}$. Treat this mud with 200ml of 20% (w/v) solution of lab grade Potassium Chloride (KCl) and stir for 30 minutes with laboratory stirrer and then age this suspension for 24hrs at $24 \pm 2^{\circ}\text{C}$. Stir the mud for 15 minutes with laboratory stirrer and raise its pH to 9.0-9.5 with 4N KOH solution and adjust its apparent viscosity in the range of 25-30cp by diluting with 4% KCl solution if required and also record yield point.</p> <p>b) Treat this mud with 1% (w/v) of the Potassium Lignosulphonate (KLS) and adjust pH in the range 10-10.5 with 4N KOH solution and stir for 10 minutes with Hamilton Beach Mixer at high speed and divide this mud into 02 parts.</p> <p>Record apparent viscosity and yield point of 1st portion.</p>	<p>Apparent viscosity should not exceed 50% of the value obtained for KCl base mud as at 1(a).</p> <p>Yield point should not exceed 30% of the value obtained for KCl base mud as at 1(a).</p>	
02.	<p>Hot roll the 2nd portion of KLS treated mud as at 1(b) at $160 \pm 2^{\circ}\text{C}$ for 24hrs in a roller oven. Cool the mud to $24 \pm 2^{\circ}\text{C}$ and stir for 10 minutes with a Hamilton Beach Mixer at high speed and record its apparent viscosity and yield point.</p>	<p>Apparent viscosity should not exceed 50% of the value obtained for the KCl base mud as at 1(a).</p> <p>Yield point should not exceed 30% of the value obtained for the KCl base mud as at 1(a)</p>	

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

PACKAGING:

The chemical should be packed as **25kgs** or **55 lbs** 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 **900-1000 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. Manufacture must have valid authentic **ISO 9001-2008** certificate as a proof for manufacturing/ production of the quoted product / Mud chemical. 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.
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 may provide/ submit the **1 Kg sample** of the quoted product (conforming to OGDCL requirement as per Section **(A & B)** within 10 days of technical bid opening, if could not provide with the technical bid. The valid receipt/tracking details supplied through national / international courier services has to be accompanied with the 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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