

**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 SYNERGISTIC POLYMER  
Tender Enquiry No PROC-FA/CB/WS-4517/2019

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	SYNERGISTIC POLYMER	Metric Ton	200					

Note:

**1. Bid Bond:** - Pursuant to tender clause # 2.2, 11.4, 13 & 35.3.2, 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 \$15,000/= (United States Dollar Fifteen Thousand Only) or equivalent Pak Rupees, with technical bid and valid for 150 days from the date of opening of the bids. The bank guarantee must be issued in accordance with the format as per Annexure-C of the tender documents.

**2. Terms and Conditions:** -Bidders are advice to carefully read all the terms and conditions of the Tender Document available at OGDCL web site in the master tender document.

**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. Summary Rejection Criteria:** - The summary rejection criteria at clause # 35 of the tender document may also be examined carefully. Any bid not meeting the criteria spelled in the clause # 35 shall be summarily rejected without any right of appeal.

**5. Foreign Procurement Payment Terms (also available at OGDCL website (Tenders Tab):**

(i) **Tender value less than or equal to US \$200,000:**

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 70 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 30% Payment will be released after receipt, inspection and acceptance of material.

(ii) **Tender value more than US \$200,000:**

Payment to the Contractor/ bidder in foreign currency shall be made by establishing in favor of the Contractor an irrevocable Letter of Credit (hereinafter called the L/C). 80 % Payment (s) under the L/C will be made for the FOB/ CFR / CPT (as the case may be) price of material of each shipment upon submission of the shipping documents. Balance 20% Payment will be released after receipt, inspection (in addition of pre-shipment inspection) and acceptance of material.

**TECHNICAL SPECIFICATIONS SHEET**  
**OF**  
**SYNERGISTIC POLYMER (RESINATED LIGNITE)**

It is precisely formulated product obtained by the reaction of sulphonated lignite and a water soluble resin which functions synergistically to provide excellent HP-HT filtration control along with imparting the rheological stability to water base drilling fluid at high bottom hole temperature. It is soluble/ dispersible in all water or oil bas drilling fluids.

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.	PHYSICAL PROPERTIES	REQUIRED SPECIFICATIONS  (API SPECIFICATION 13-A, SECTION 5)	EXACT VALUE OF THE OFFERED PRODUCT
01.	Physical State	The material shall be in the form of free flowing powder, free from dirt and foreign matter	
02.	Moisture content ,percent by mass	10 % (Maximum)	
03.	Water soluble content ,percent by mass	90 % (Minimum)	
04	Apparent viscosity of 2%(w/v) solution in distilled water at 24±2°C	3.0 cp (Maximum)	

**B) Performance Test: -**

SR. NO.	DESCRIPTION	
01.	Performance Test in fresh water mud	<p>Prepare a base mud having apparent viscosity in the range <math>50 \pm 2.5</math> centipoises by dilution of prehydrated API bentonite with distilled water (The pre-hydrated bentonite is prepared by stirring 10% (w/v) bentonite with distilled water with a laboratory stirrer (5000-6000) rpm, for 30 minutes and aging the suspension at <math>90 \pm 2^\circ\text{C}</math> for 24 hrs in a thermostatic water bath. Adjust its pH 9-10 with 5N-NaOH. Divide this base mud into two portions.</p> <p>i): - Roll a portion of the base mud in a high temperature aging cell, at <math>150 \pm 2^\circ\text{C}</math> for 16 hrs in a roller oven cool to <math>24 \pm 2^\circ\text{C}</math> and stir the rolled base mud for 15 minutes in Hamilton beach mixer at high speed and then determine its Apparent viscosity at <math>24 \pm 2^\circ\text{C}</math> and HT-HP filtration loss at <math>150^\circ\text{C}</math> and 500 psi differential pressure</p> <p>ii): - Treat the second portion of the base mud with 2.0 % (w/v) additive and stir the suspension in a Hamilton beach miser at high speed for 10 minutes. Adjust the PH of the suspension in the range of 9.5-10.0 by adding 5N-NaOH solution (if necessary). Roll this mud, in a high temperature aging cell at <math>150 \pm 2^\circ\text{C}</math> for 16 hrs in a roller oven. Cool to <math>24 \pm 2^\circ\text{C}</math> and stir the resulting mud for 15 minutes in a Hamilton Beach mixer at high speed. Then determine its Apparent viscosity at <math>24 \pm 2^\circ\text{C}</math> and HT-HP filtration loss at <math>150^\circ\text{C}</math></p>

Prepared by:

Checked by:



Recommended by:




At

		and 500 psi differential pressure.
	<p><b>Apparent viscosity of treated mud (centipoises).</b></p>	<p>It should not be more than 40% of the value obtained for the rolled base mud.</p>
02.	<p><b>HT-HP filtration loss (ml)</b></p>	<p>It should not be more than 50% of the value obtained for the rolled base mud.</p>
03.	<p><b>Performance test in salt water mud</b></p>	<p>Prepare 8-10% (w/v) bentonite API suspension and allow it to hydrate fully by aging at <math>90 \pm 2^\circ\text{C}</math> for 24 hrs ,so that the resulting mud ,when cooled to <math>24 \pm 2^\circ\text{C}</math> and stirrer for 30 minutes with laboratory stirrer (5000-6000 rpm) has Apparent viscosity in the range <math>80 \pm 5</math> centipoise .To this mud add 4% (w/v) sodium chloride (L.R grade) and stirrer for 30 minutes with a laboratory stirrer (5000-6000 rpm) and allow it to age at <math>24 \pm 2^\circ\text{C}</math> for 24 hrs. Stir the aged mud for 15 minutes, determine its apparent viscosity and adjust it in the range <math>30 \pm 2.5</math> by addition of 4% sodium chloride solution and also adjust its pH 9-10 by 5N-NaOH. Divide this base mud into two portions.</p> <p>i):- Roll a portion of this base mud in a high temperature ageing cell, at <math>150 \pm 2^\circ\text{C}</math> in a roller oven for 16 hrs. Then cool and stir the rolled base mud and determine its Apparent viscosity at <math>24 \pm 2^\circ\text{C}</math> and HT-HP filtration loss at <math>150^\circ\text{C}</math> and 500 psi differential pressure.</p>

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Recommended by:

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Approved by: *5*

	<p><b>Apparent viscosity of treated mud (centipoises).</b></p> <p><b>HT-HP filtration loss(ml.)</b></p>	<p>ii): - Treat another portion of the base mud with 2 % (w/v) of the additive by stirring in a Hamilton Beach Mixer at high speed for 10 minutes. Adjust the PH of the suspension in the range 9.5-10.0 by adding 5N-NaOH solution (if necessary). Roll this mud, filled in the high temperature aging cell at 150± 2°C for 16 hrs in a roller oven and stir the resulting mud for 10 minutes in a Hamilton Beach Mixer at high speed. Then determine its Apparent viscosity at 24± 2°C and HT-HP filtration loss at 150 °C and 500 psi differential pressure.</p> <p>Should not be more than the value obtained for the rolled base mud.</p> <p>Should not be more than 50 % of the value obtained for the rolled base mud.</p>
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C) NECESSARY DATA

SR. NO.	DESCRIPTION	
01.	Name of Bidder	
02.	Complete address, telephone, Email and fax numbers of bidder	
03.	Name of local agent & Authorized signatory of local agent	
04.	Complete address, telephone, Email and fax numbers of local agent.	
05.	Name of Manufacturer	
06.	Name of Authorized Signatory of Manufacturer	
07.	Complete address, telephone, e-mail and fax number of manufacturer.	
08.	Website of manufacturer	
09.	Brand Name of Product	
10.	Country of origin	
11.	Port of shipment	
12.	Minimum shelf life of product	

Prepared by

Checked by: *MA*

Recommended by: *MA*

Approved by *MU*

- D) 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 2011 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
01.			
02.			
03.			
04.			
05.			
06.			
07.			

- E) NECESSARY ATTACHMENTS FOR TECHNICAL BID:

SR. NO.	DESCRIPTION	ATTACHED/ PROVIDED OR NOT.
01.	Product Data Memorandums of Synergistic Polymer in original printed by manufacturer.	Attached/ Not attached
02.	Material Safety Data Sheets of Synergistic Polymer in original printed by manufacturer.	Attached/ Not attached
03.	Valid ISO-9001-2008 certificate for manufacturing / Production of the quoted product (Synergistic Polymer) / Mud chemicals.	Attached/ Not attached
04.	Original authority letter issued by the manufacturer to bidder for quoting their product.	Attached/ Not attached
05.	Company profile with manufacturing capability & Experience; of last 05 years.	Attached/ Not attached

06	Lab evaluation report of the quoted product from an internationally reputed/ recognized third party laboratory in the light of technical specifications sheet at A) & Performance Test at B).	Provided/ Not provided
07	1 kg sample of offered product.	Provided/ Not provided

**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. 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. In case of any ambiguity, the certificate will be verified from issuing authority. The certificate duly submitted along with bid, will be consider final. No additional certificate will be entertained at any stage of the case.
2. **Minimum shelf life** of the quoted product **should not be less than 03 years.**
3. Technical Specifications Sheet of the quoted product duly filled-in must be enclosed in the technical bid.
4. **Delivery period** of the quoted product is **120 Days**, however, the supplier will have to provide two equal consignments as per following schedule of delivery, failing which action will be taken as per rules.

Description	1 <sup>st</sup> Consignment	2 <sup>nd</sup> Consignment
Synergistic Polymer	100 M.Ton within 60 days after issuance of <b>LC</b>	100 M.Ton in next 60 days after 1 <sup>st</sup> consignment

Prepared by:

Checked by:

Recommended by:\*

Approved by: \*



5. 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.
6. 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.
7. 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.
8. The quoted item from country of origin India is not acceptable.
9. Prior to shipment of the material, if desired by OGDCL, OGDCL will carry out third party pre-shipment inspection & Lab analysis of the material at its own cost from OGDCL's approved inspecting agency/ Lab, one representative sample of the chemical will be dispatched by the TPI firm directly to OGDCL. Later on the TPI firm will submit report directly to OGDCL and consignment(s) will only be shipped after acceptance/ endorsement of TPI report(s) by OGDCL.
10. Shipment is required to be made in containers for minimizing damages to the costly Chemical.
11. 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.
12. 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.
13. 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.