



ऑयल इंडिया लिमिटेड  
( भारत सरकार का उद्यम )  
**Oil India Limited**  
(A Government of India Enterprise)

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**ANNEXURE – 1A**

Tender No & Date : SSG6972L16/01 Date: 18.04.2015

Tender Fee : Not Applicable.

Bid Security Amount : Not Applicable

Bidding Type : SINGLE STAGE TWO BID SYSTEM

Bid Closing on : 24.06.2015 at 11.00 Hrs IST

Technical Bid Opening on : 24.06.2015 at 14.00 Hrs IST

Validity of offer : Bid should be valid for 120 days from bid closing date.

Performance Guarantee : Not Applicable

**OIL INDIA LIMITED invites Limited Global tenders for items detailed below:**

**AA. TECHNICAL SPECIFICATIONS WITH QUANTITY**

Sl. no. & Material Code	Material Description	Quantity
10 85040117	<b>FLUID LOSS CONTROL / VISCOSIFIER / ENCAPSULATING AGENT</b>  "Polyanionic Cellulose Regular Grade (PAC-R) Product description and end use,  A high purity polyanionic cellulosic polymer of medium to high molecular weight - used in water base filling fluid as fluid loss reducer, clay encapsulator and for viscosity increase.  <u>Specification:</u>  1. Physical Properties: The material, as received, should be a free flowing white to creamish / brownish white powder free from foreign matter and visible impurities.	108,000 KG

	<p>2. Moisture Content at : 15.00 105 +/- 2 DegC,% by mass, maximum.</p> <p>3. Apparent viscosity of 1.0 % (w/v) suspension of the material as received in fresh water and 4 % salt water.</p> <p>Prepare a 1 % (w/v) suspension of the sample by stirring in ultimixer for 30 minutes in distilled water and 4 % salt water (prepared by dissolving 4 gms of LR grade NaCl in 100 ml distilled water)and measure apparent viscosity at 26 +/- 2 DegC by Fann VG meter.</p> <p>(i) Apparent viscosity in fresh water, cp : 75-100</p> <p>(ii) Apparent viscosity in salt water, cp : 65-85</p> <p>4. Yield of 15 cp Apparent viscosity suspension :</p> <p>Prepare a 15 cp apparent viscosity suspension of the sample by stirring in a multimixer for 30 minutes in distilled water and 4 % salt water (prepared by disssolving 4 gms of LR grade NaCl in 100ml distilled water) and calculate the yield of the sample which should be as follows.</p> <p>(i) Yield in distilled water, KL/MT, min. : 250</p> <p>(ii) Yield in 4 % salt water KL/MT, min. : 200</p> <p>5. Sodium Carboxy Methyl Cellulose : 85.00 Content, % by mass (dry basis) min.</p> <p>6. Degree of Substitution, minimum : 1.00</p> <p>7. Performance Test :</p> <p>A. In Fresh Water mud.</p> <p>(i) Preparation of base mud.</p> <p>Prepare a 10 % (w/v) suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in a multimixer so that no lumps are left after the stirring period. Age the bentonite suspension for 72 Hrs. at 90 +/- 2 DegC. After the lapse of the aging period, cool and adjust apparent viscosity in the range 15-20 cp with distilled water. Also adjust PH in the range 9.0-9.5 with 10 % NaOH solution,if necessary. Stir the suspension for 15</p>	
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	<p>minutes in multimixer and determine apparent viscosity, yield value and API fluid loss of the suspension at 26 +/- 2 DegC which should be as follows.</p> <p>(a) Apparent viscosity, cp : 15 - 20 cp.  (b) Yield value, lbs/100 ftsq : To determine  (c) API fluid loss, ml : To determine</p> <p>(ii) Preparation of treated mud :</p> <p>Treat the base 7A(i) with 0.5% polyanionic cellulose (R) sample. Stir in a multimixer for 30 minutes and divide the mud into two parts.</p> <p>Performance at 26 +/- 2 DegC. :</p> <p>Measure apparent viscosity, yield value and API fluid loss of one part of treated mud 7A(ii) at 26 +/- 2 DegC which should be as follows.</p> <p>(a) Apparent viscosity, cp minimum. : 4 times of 7A(i,a)  (b) Yield value, lb/100 ftsq. minimum : 4 times of 7A(i,b)  (c) API fluid loss, ml maximum. : 40 % of 7A(i,c)</p> <p>Performance at 120 +/- 2 DegC.:</p> <p>Age second part of treated mud 7A(ii) at 120 +/- 2 DegC in rolling condition for 24 hrs. After aging, cool to 26 +/- 2 DegC and stir in a multimixer for 15 minutes and determine apparent viscosity, yield value and API fluid loss of the mud at 26 +/- 2 DegC which should be as follows :</p> <p>(i) Apparent viscosity, cp minimum. : 3 times of 7A(i,a)  (ii) Yield value, lb/100 sq.ft minimum. : 3 times of 7A(i,b)  (iii) API fluid loss, ml, maximum. : 40 % of 7A(i,c)</p> <p>B. In Salt Water Mud :</p> <p>(i) Preparation of base mud :</p> <p>Prepare 10 % (w/v) bentonite suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in a multimixer so that no lumps are left after the stirring period. Age the suspension for 72 hrs at 90 +/- 2 DegC After the lapse of aging period, cool and add 4% (w/v) NaCl (LR grade) and age for 24 hrs. at 26 +/- 2 DegC. Dilute the suspension with 4 % Nacl solution and adjust apparent viscosity in the range 15-20 cp. Adjust PH in the range 9.0-9.5 with 10 % Noah solution if</p>	
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	<p>necessary. Determine apparent viscosity, yield value and API fluid loss of the suspension at 26 +/- 2 DegC which should be as follows.</p> <p>(a) Apparent viscosity, cp : 15 - 20  (b) Yield value, lbs/100 ftsq. : To determine  (c) API fluid loss, ml : To determine</p> <p>Treat the base mud prepared as per the 7B(i) with 0.5%(w/v) polyanionic cellulose (R) sample and stir in a multimixer for 30 minutes. Performance at 26 +/- 2 DegC. Determine apparent viscosity, yield value and API fluid loss of mud 7B(ii) above at 26 +/- 2 DegC which should be as follows :</p> <p>(a) Apparent viscosity, cp minimum. : 2 times of 7B(i,a)  (b) Yield value, lb/100 ftsq minimum. : 1.5 times of 7B(i,b)  (c) API fluid loss, ml maximum : 15 % of 7B(i,c)</p> <p>8. Packing : The material should be packed in multiwalled paper bags with at least two innermost layers suitably water-proofed, strong enough to withstand rigours of transit and storage. The material should be supplied in the original packing of the manufacture. Capacity 25 Kg net per bag.</p> <p>9. Marking : Each bag should have clearly legible markings as given below :  (i) Name of the product.  (ii) Name of the supplier / manufacturer.  (iii) Date/Month/Year of manufacture.  (iv) Supply order number against the supply made.</p> <p>N.B : Apparent viscosity and yield point shall be determined in a Fann VG meter and fluid loss by standard API low pressure fluid loss apparatus using compressed air or nitrogen as the pressure source.</p>	
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**DELIVERY:** Bidder to quote best delivery period.

**BB . STANDARD NOTE :**

- 1) The tender is invited under **SINGLE STAGE-TWO BID SYSTEM**. The bidder has to submit both the “**TECHNO-COMMERCIAL UNPRICED BID**” and “**PRICED BID**” bid through electronic form in the OIL’s e-Tender portal within the Bid Closing Date and Time stipulated in the e-Tender. The “**TECHNO-COMMERCIAL UNPRICED BID**” is to be submitted as per Scope of Work & Technical Specification of the tender and “**PRICED BID**” as per the **Online Price Bid format**.

- 2) In Technical Bid opening, only Technical Rfx will be opened. Therefore, the bidder should ensure that “TECHNO-COMMERCIAL UNPRICED BID should contain details as mentioned in the technical specifications as well as BEC/ BRC and upload the same in the Technical RFX Response-> User - > Technical Bid. No price should be given in above Technical Rfx otherwise the offer will be rejected. Please go through the help document in details before uploading the document and ensure uploading of technical bid in the Technical RFX Response-> User - > Technical Bid only. The “PRICE BID” must contain the price schedule and the bidder’s commercial terms and conditions. **The prices of the items should be quoted in “Conditions Tab”.**
- 3) **Bid should be valid for 120 days from bid closing date, failing which offer shall be rejected.**
- 4) The tender sample should reach us before bid closing date and time stipulated in the e-tender.
- 5) All the Bids must be Digitally Signed using “Class 3” digital certificate (*e-commerce application*) only as per Indian IT Act obtained from the licensed Certifying Authorities operating under the Root Certifying Authority of India (RCAI), Controller of Certifying Authorities (CCA) of India. The bid signed using other than “Class 3” digital certificate, will be liable for rejection.
- 6) Price should be maintained in the “online price schedule” only. The price quoted in the “online price schedule” only will be considered. **No price should be given in Technical Rfx, otherwise the offer will be rejected.**
- 7) To ascertain the substantial responsiveness of the bid OIL reserves the right to ask the bidder for clarification in respect of clauses covered under BRC also and such clarifications fulfilling the BRC clauses in toto must be received on or before the deadline given by the company, failing which the offer will be summarily rejected.
- 8) **COMMERCIAL BIDS OF ONLY THOSE BIDDERS WILL BE OPENED WHOSE OFFERS ARE FOUND TECHNICALLY ACCEPTABLE. THE TECHNICALLY ACCEPTABLE BIDDERS WILL BE INFORMED BEFORE THE OPENING OF THE "COMMERCIAL BID".**
- 9) The items covered by this tender shall be used by Oil India Limited in the PEL/ML areas which are issued/renewed after 01/04/99 and hence Nil Custom Duty during import will be applicable. Indigenous bidder shall be eligible for Deemed Export Benefit against this purchase. Details of Deemed Export are furnished vide Addendum to MM/GLOBAL/E-01/2005-july 2012 enclosed.
- 10) **Submission of tender sample is mandatory for all the bidders including those who were earlier exempted from submission of tender samples. All the exemption letters issued by OIL in this regard stand withdrawn. Hence all the bidders are to ensure strict compliance of the above.**

11) Integrity Pact is applicable against this tender. The names of the OIL's Independent External Monitors at present are as under:

1. SHRI RAGHAW SHARAN PANDEY, IAS (Retd.),
2. SHRI RAJIV MATHUR, IPS (Retd.),

Their e-mail ids are available in OIL's website [www.oil-india.com](http://www.oil-india.com)

12) **The Integrity Pact is applicable against this tender.** OIL shall be entering into an Integrity Pact with the bidders as per format enclosed vide **Annexure XII** of the tender document. This Integrity Pact proforma has been duly signed digitally by OIL's competent signatory. The proforma has to be returned by the bidder (along with the technical bid) duly signed (digitally) by the same signatory who signed the bid, i.e., who is duly authorized to sign the bid. Uploading the Integrity Pact with digital signature will be construed that all pages of the Integrity Pact has been signed by the bidder's authorized signatory who sign the Bid.

#### **CC. BID REJECTION CRITERIA ( BRC)**

In addition to BRC criteria vide section –D of General Terms & Conditions for Global tenders (MM/GLOBAL/E-01/2005 - JULY 2012), the following clauses will be applicable against the tender failing which offer will be rejected.

1. The party should be preferably a Manufacturer of the product. In case the bidder is not a manufacturer, he should be an authorised representative / dealer / supplier of the product of manufacturer. The authorised representative / dealer / supplier should produce authority letter in original from its manufacturer authorizing them to submit the bid along with the bid. Such authority letter should be valid for the entire period of execution of the order.
2. In case the bidder is not in a position to submit Authority letter from the manufacturer then bidder must submit Quality Assurance certificate mentioning that the offered product will be of same or higher quality / standard of the tender sample submitted along with the bid in the event of bulk supply against order.
3. The bidder should have at least 3 years of manufacturing / supply experiences of tendered item with supply record of minimum one order of 50% tender quantity of tendered material to various E&P / Mud Engineering companies. For this purpose the period reckoned shall be the period prior to the Bid Closing date of the tender. However bidders whose materials have been successfully field tried extensively in OIL's operational are are exempted from meeting this criteria. Documentary evidences in support of above supply should be submitted along with the technical bid. OIL reserves the rights to verify the same.

**NOTE:** To develop any new source field trial followed by extensive field trial of the product are conducted. In case of field trial, order is placed for a quantity which is sufficient for 2/3 wells use. This gives the idea how this product performs in our field. Once this field trial is over, to assess the quality assurance and supplier's capability another order is placed with larger quantity for 5/6 wells use. Based on timely delivery as well as consistency in quality of the product,

the vendor is developed. The second trial for a good number of wells is termed extensive field trial.

4. The bidder should submit tender sample of the product in triplicate (i.e. 3 samples) along with the bid. The bid should also accompany test report in original of their latest manufactured product. Further, the bidder should confirm that bulk supply will be same as the tender sample supplied for along with the tender.
5. The tender sample should be strictly as per OIL's specification.
6. **Technical RFx folder is meant for Technical bid only. Therefore, No price should be given in Technical RFx, otherwise the offer will be rejected. Similarly, the technical bid is to uploaded in the Technical RFx only.**
7. **The following points are deemed as "non-negotiable" and offer shall be rejected straightaway without seeking clarification in case of the following:**
  - i. **Validity of bid shorter than validity indicated in the tender.**
  - ii. **Original Bid Security not received within the stipulated date and time mentioned in the tender.**
  - iii. **Bid security with (a) Validity shorter than the validity indicated in tender and/or (b) Bid security amount lesser than the amount indicated in the tender.**
  - iv. **In case the party refuses to sign the Integrity Pact.**

**DD. SPECIAL NOTE:**

- i) Bidders must submit 3 (three) tender samples of ½ kg each of the offered product in 3 (three) separate air tight sealed containers free of cost for technical evaluation.
- ii) The tender sample will be evaluated in OIL's laboratory as per OIL's tender specification for acceptance.
- iii) Bidder shall submit a copy of Material Safety Data Sheet of the quoted product along with the bid.
- iv) The material should be supplied in the original packing of the manufacturer with markings as specified in the tender.
- v) Bidder shall confirm shelf life as per NIT requirement, wherever asked for. Any supply without shelf life or shelf life less than the NIT requirement shall be rejected.
- vi) Considering the nature of the items, if the product offered by the lowest acceptable bidder is not field proven in OIL, purchaser at its discretion may place a trial order to the extent of 25%(maximum) only for field trial and vendor development and balance quantity will be procured from other competitive bidders whose product has been field proven in OIL.

- vi) The supplied material against orders will be accepted after passing the specification test in the OIL's laboratory at Duliajan. The supplied product must meet the order specification and perform at par with the corresponding tender sample submitted by the bidder against this tender during the quality assessment test in the laboratory.

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