

OIL INDIA LIMITED
 (A Govt. of India Enterprise)
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ANNEXURE-I

Tender No. : DFS6628L18/05
Tender Date : 08.12.2017

Item No./ Mat. Code	Material Description	Quantity	UOM
10 85052073	<p><u>FLUID LOSS CONTROL AGENT</u> <u>POLYANIONIC CELLULOSE - SUPERLO GRADE (PAC-SL)</u> <u>General Purpose of Use</u> To use in water base drilling fluid as fluid loss reducer and clay encapsulator.</p> <p><u>Specification :</u></p> <p>1. <u>Physical Properties</u> : The material, as received, should be a free flowing white to creamish/brownish white powder free from foreign matter and visible impurities.</p> <p>2. Moisture content, measured by drying degC,% by mass, maximum. : 15.00 at 105+/- 2</p> <p>3. Apparent viscosity of 1.0% (w/v) suspension of the material, as received, in fresh water and 4% salt water : ----- Prepare a 1% (w/v) suspension of the sample by stirring in a multimixer 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 the apparent viscosity at 26+/- 2 degC by a Fann VG meter.</p> <p>(i) Apparent viscosity in fresh water, cp, max.: 20 (ii) Apparent viscosity in salt water, cp, max.: 16</p> <p>4. <u>Yield of 15 cp apparent viscosity suspension</u> : 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 dissolving 4 gms of LR grade NaCl in 100 ml distilled water) and calculate the yield of the sample which should be as follows :</p> <p>(i) Yield in distilled water, KL/MT, minimum : 100 (ii) Yield in 4% salt water, KL/MT, minimum : 80</p> <p>5. Sodium carboxymethyl cellulose content, on dry basis, % by mass, (on dry basis), minimum. : 85.00</p> <p>6. Degree of substitution, minimum : 1.00</p> <p>7. <u>Performance test</u> :</p> <p>A. In fresh water mud -</p> <p>(i) Preparation of base mud : Prepare a 10.0% (w/v) suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in multimixer so that no lumps are left after the stirring period. Age the suspension for 72 hrs at 90+/-2 degC.</p>	150000	KG

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	<p>After the lapse of the aging period, cool and adjust apparent viscosity in the range of 15-20 cp with distilled water. Also adjust PH in the range of 9.0-9.5 with 10% NaOH solution, if necessary. Stir the suspension for 15 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 (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 mud 7A(i) with 0.5% (w/v) polyanionic cellulose (superlo grade) 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 the treated mud 7A(ii) at 26+/-2 degC which should be as follows.</p> <p>(a) Apparent viscosity, cp, max. : 2.5 times of 7A,ia (b) Yield value, lbs/100ftsq,max. : 1.5 times of 7A,ib (c) API fluid loss, ml, max. : 50% of 7A,ic</p> <p>Performance at 120+/-2 degC</p> <p>Age second part of the 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>(a) Apparent viscosity, cp,max. : 1.5 times of 7A,ia (b) Yield value, lbs/100ftsq,max : 1.5 times of 7A,ib (c) API fluid loss, ml, max. : 35% of 7A,ic</p> <p>B. In salt water mud -</p> <p>(i) <u>Preparation of base mud</u> :</p> <p>Prepare a 105% (w/v) suspension of OIL approved bentonite in distilled water and stir the suspension for 15 minutes in 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 the aging period, cool and add 4% NaCl (w/v) (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% NaOH solution, if 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</p>		

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	<p>(c) API fluid loss, ml : To determine</p> <p>Treat the base mud prepared as per 7B(i) with 0.5% (w/v) of polyanionic cellulose (superlo grade) sample and stir for 30 minutes in a multimixer.</p> <p><u>Performance at 26+/-2 degC</u></p> <p>Determine apparent viscosity, yield value and API fluid loss of the treated mud 7B(ii) at 26+/-2 degC which should be as follows:</p> <p>(a) Apparent viscosity, cp, min. : 2 times of 7B,ia (b) Yield value, lbs/100ftsq, min : 1.5 times of 7B,ib (c) API fluid loss, ml, max. : 15% of 7B, ic</p> <p>8. <u>Packing</u> :</p> <p>The material should be packed in multiwalled paper bags with at least two innermost layers suitably water proofed, strong enough to with stand rigours of transit and storage. <u>Capacity 25 kgs net per bag.</u></p> <p>9. Each bag should have clear legible marking as given below :</p> <p>(i) Name of the product (ii) Name of the supplier (iii) Date/month/year of manufacture (iv) Supply order number against which the supply is made.</p> <p>N.B. :1) Apparent viscosity will be measure by a Fan VG meter and API fluid loss will be measured in standard API fluid loss apparatus using compressed air or nitrogen as pressure source. 2) The Supplied Materials must meet OIL's specifications in all respect.</p>		

- Standard Notes:**
- 1.0 In case the bidder is not a manufacturer, the bidder shall confirm the name of its manufacturer.
 - 2.0 The material should be supplied in the original packing of the manufacturer with markings as specified in the tender.
 - 3.0 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.
 - 4.0 COMMERCIAL:
 - 4.1 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. In case the party refuses to sign the Integrity Pact.
 - 5.0 TECHNICAL :
 - 5.1 The tender sample will be tested in OIL's laboratory as per tender specification and the

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acceptance/ rejection of the tender sample will be decided on the basis of OIL's laboratory test report only.

5.2 Bidder shall submit a copy of Material Safety Data Sheet of the quoted product along with the bid else the offer will not be evaluated.

6.0 The Integrity Pact is applicable against this tender. Therefore, please attach the Integrity Pact document duly signed along with your quotation as per BRC. The name of the OIL's Independent External Monitor at present are as under:

1. SHRI RAJIV MATHUR, IPS (Retd.),
2. SHRI SATYANANDA MISHRA, IAS(Retd.)
3. SHRI JAGMOHAN GARG, Ex-Vigilance Commissioner, CVC The email ids are furnished in OIL's website, www.oil-india.com

Special Notes : 1.0 CATEGORY OF VENDOR:

The bid should be from Original Equipment manufacturer (OEM). However, the bid(s) from authorised distributor(s) / authorised dealer(s) / authorised supply house(s) can also be considered, provided such bid(s) is/are accompanied with back-up authority letter (valid at the time of bidding) from the manufacturer authorising them to market their product(s).

The bidder has to explicitly indicate their category (as applicable) pertaining to tendered item(s) in their offer/quotation as listed below:

- (i) Manufacturer of tendered item(s)
- (ii) Authorised Distributor of OEM
- (iii) Authorised Dealer of OEM
- (iv) Authorised supply houses of OEM

If the bidder(s) is/are non-manufacturer of tendered item(s), then quotation(s)/bid(s) must be accompanied by back-up authority letter (valid at the time of bidding) from the manufacturer. OIL INDIA LIMITED reserves the right to reject bid(s) / offer(s) without back up authority letter on exclusive basis from manufacturer.

2.0 The item covered by this enquiry shall be used by OIL INDIA LTD in the PEL/ML areas which are issued/renewed after 01/04/99 and hence nil customs duty during import will be applicable. Indigenous bidder shall be eligible for concessional rate of IGST against Essentiality certificate wherever applicable, as per notification No 3/2017- integrated/central tax (rate) dated 20th june, 2017. However, Indigenous bidders are also requested to quote applicable rate of GST with the HSN code.

3.0 Bidders are required to quote with minimum validity of 90 days from the Bid Closing Date as per NIT requirement. BIDS with lesser validity shall be rejected.

4.0 Bidders have to indicate the minimum FOB / FCA charges in case of partial order for reduced quantity/items. In case this is not indicated specifically, the charges quoted would be prorated calculated and the same will be binding on the bidder.

5.0 Bidders are required to mention the weight of each item individually. QUOTATION must be submitted in TRIPLICATE with original company catalogues as well as necessary certificates.

6.0 Please mention clearly in your quotation the Net. Weight, Gross Weight & Volume, Indian Agent's Name and its Commission, Payment Terms, Ocean Freight/Air Freight Charges, Port of Loading, Delivery period, Country of origin with manufacturer's name, etc.

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7.0 Bidders to take note of clause no.10.1.3 which has been added in Section-C, special terms & conditions for Indian bidders of General Terms and Conditions for Global Tender (MM/GLOBAL/01/2005) regarding transportation of materials.

8.0 OIL reserves the right to convert the order from FOB Port of export to C&F Kolkata term considering the ocean freight quoted by the bidder in their offer. In case the order is converted to C&F Kolkata port, the Performance Security amount, if applicable, shall also be enhanced considering the quoted ocean freight charges.

9.0 Bidder should confirm in their quotation that in case of C&F order, their nominated freight forwarder should provide Delivery Order under Single window facility having office of local agent in India at Kolkata and offer 14 days free detention time of container(s) at discharging port.

10.0 All foreign bidder(s) should note that a new clause on shipment of the goods by sea from port of export to the Indian port (i.e. Kolkata port unless otherwise specified) has been included in the tender through an addendum to "General Terms and Conditions for Global Tender" (MM/GLOBAL/01/2005). The addendum is also available in OIL's Website (www.oil-india.com). Bidder(s) is/are requested to take note of the same and to submit their offer(s) accordingly.

11.0 The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the Amendment dated 25.04.2016 has been issued in this regard which is uploaded in OIL Website. Bidders to note the changes made to "The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" and to submit their offers complying with the same.

12.0 In view of implementation of GST w.e.f. 01.07.2017, The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" has been amended and the Addendum dated 21.08.2017 has been issued in this regard which is uploaded in OIL Website. Bidders to note the changes made to "The General Terms & Conditions for Global Tenders (MM/GLOBAL/01/2005)" and to submit their offers complying with the same. Price bid is to be submitted as per details in the GTC.