

Tender No. & Date : DFS7584L10/01

31.03.2010

Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>distilled water containing 1% NaCl (LR grade)(w/v) by stirring in a multimixer for 30 minutes. Adjust PH of the solution in the range 8 - 9 by addition of 1N NaOH solution while stirring. Determine the rheological properties of the suspension at 26 +/- 2 degC which should be as follows :</p> <p>(i) Apparent viscosity, cp : 15 - 25 (ii) "0" minute gel, lbs/100 ftsq, minimum : 8 (iii) "N" value at 200 & 100 rpm of Fann VG meter, maximum.: 0.40</p> <p>6. <u>Crosslinking properties</u> : To 500 ml of distilled water, add 5 ml of 3% (w/v) solution of calcium chloride (fused and analar grade) and to this solution, add 0.5% (w/v) of the sample while stirring in a multimixer. Stir the suspension further for 30 minutes in a multimixer. To this add 2% (w/v) chrome alum powder (LR grade) and stir for additional 10 min. Adjust the PH in the range 8-9 by 1N NaOH solution while stirring. Determine the rheological properties of the suspension at 26 +/- 2 degC which should be as under :</p> <p>(i) Apparent viscosity, cp, minimum : 40 (ii) Yield value, lbs/100 ftsq, minimum : 40 (iii) "0" minute gel, lbs/100 ftsq, minimum : 20 (iv) "15" minute gel, lbs/100 ftsq, minimum : 100</p> <p>7. <u>Performance Test</u> :</p> <p>Preparation of base mud : Prepare a 0.5% (w/v) solution of the sample in distilled water by stirring in a multimixer for 30 minutes. Adjust the PH to 8 - 9 with 1N NaOH solution. Add to it 3% of the OIL approved benonite powder and stir for 30 minutes. Determine apparent viscosity, yield value and API fluid loss of the mud at 26 +/- 2 degC.</p> <p>Age the treated mud at 100 +/- 2 degC for 18 hrs. in rolling condition. Cool and stir for 15 minutes in a multimixer. Determine apparent viscosity, yield value and API fluid loss at 26 +/- 2 degC which should be as under :</p> <p>(i) Apparent viscosity, cp : should not decrease (ii) Yield value, lbs/100 ftsq : should not decrease (iii) API fluid loss, ml : should not increase</p> <p>8. <u>Temperature stability</u> :</p> <p>Prepare 0.5% (w/v) solution of the sample in saturated salt water (prepared by dissolving analar grade NaCl in distilled water) by stirring in a multimixer for 30 minutes. Adjust PH to 8 - 9 by 1N NaOH solution. Record apparent viscosity and yield value of suspension at 26 +/- 2 degC.</p> <p>Age the solution in a roller oven in rolling condition at 120 +/- 2 degC for 18 hrs. Cool and stir for 5 minutes. Measure apparent viscosity and yield value of the solution at 26 +/- 2 degC which should be as under :</p> <p>(i) Apparent viscosity, cp : should not decrease (ii) Yield value, lbs/100 ftsq : should not decrease</p>		

Tender No. & Date : DFS7584L10/01

31.03.2010

Item No./ Mat. Code	Material Description	Quantity	UOM
	<p>9. Prepare a 0.5% (w/v) solution of the sample in distilled water by stirring in a multimixer for 30 minutes. Add to it 5 ml of 20% (w/v) hot solution of borax and stir for 5 minutes. No stiff gel formation should take place.</p> <p>10. <u>Packing</u> :</p> <p>the material should be packed in multiwalled paper bags with at least two innermost layers are suitably water proofed strong enough to withstand rigours of transit and storage.</p> <p>11. <u>Markings</u> :</p> <p>Each bag should have clear legible markings 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. Apparent viscosity and yield value will be measured by a Fann VG meter and API fluid loss will be measured in standard API fluid loss apparatus using compressed air or nitrogen as pressure source.</p>		

Note description for item no./nos. : 10

NOTE :

Special terms and conditions and bid rejection criteria.

1. The quoted product must be Dispersible Xanthan Gum Biopolymer - XCD manufactured by M/s.CP Kelco Oil Field Group, USA which should be clearly mentioned in the bids with certification from M/s.CP Kelco stating that the quoted product is their XCD Biopolymer.
2. The material should be supplied in the original packing of M/s. CP Kelco Oilfield Group, USA with batch number, which should be clearly marked on the bags.
3. In case the bidder is a distributor / marketing agency of M/s. CP Kelco's XCD Biopolymer (KELZAN XCD), they should provide authorisation letter along with the bid from M/s. Kelco to market their product.
4. Bidders must quote for XCD Biopolymer manufactured by M/s.CP Kelco Oilfield Group, USA only. In case the offered product is from other sources of manufacture, the bid will be straightway rejected. The bidder must fulfill the above terms and conditions failing which the bids will be rejected without any reason thereof.

Special Notes : 01. THE ITEMS COVERED BY THIS TENDER SHALL BE USED BY OIL INDIA LIMITED IN THE PEL/ML AREAS WHICH ARE ISSUED/RENEWED AFTER 1.4.99 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/01/2005 ENCLOSED.

02. BIDDERS ARE REQUIRED TO QUOTE WITH MINIMUM VALIDITY OF 120 DAYS FROM THE BID CLOSING DATE AS PER NIT REQUIREMENT. BIDS WITH LESSER VALIDITY SHALL BE REJECTED.

03. QUOTATION MUST BE SUBMITTED IN TRIPLICATE.

04.DELIVERY IS REQUIRED IN TWO LOTS @ 18 MT.IN EACH LOT 1ST LOT TO BE SHIPPED IN JANUARY 2011 AND 2ND.LOT IN APRIL 2011.

05.THE BIDDERS WHO ARE EXEMPTED FROM SUBMISSION OF TENDER SAMPLE, ARE TO WRITE "SAMPLE EXEMPTED" ON THE TOP OF SEALED ENVELOPE OF THE QUOTATION . HOWEVER,THE COPY OF OUR EXEMPTION LETTER SHOULD BE ENCLOSED ALONGWITH THE OFFER.

Tender No. : DFS7584L10/01
Tender Date : 31.03.2010
Bid Closing On : 26.05.2010 at 13:00 hrs.(IST)
Bid Opening On : 26.05.2010 at 13:00 hrs.(IST)

Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	100597	M-I LLC	Dubai
2	100899	CP KELCO SINGAPORE PTE LTD	SINGAPORE
3	100964	FORUM OILFIELD TECHNOLOGIES INC	SAN ANTONIO, TX
4	101717	HALLIBURTON EXPORT INC.	TEXAS