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OIL INDIA LIMITED
(A Govt. of India Enterprise)
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Tender No& Date : SDG0356P11 DATED 14.12.2010

Tender Fee : INR 4500.00 OR USD 100.00

Bid Security Amount : INR 3,38,000.00 OR USD 8,450.00
(or equivalent Amount in any currency)

Bidding Type : **SINGLE STAGE TWO BID SYSTEM**

Bid Closing on :As mentioned in the basic data of above e-tender in OIL' e-portal

Bid Opening on : -Do-

Performance Guarantee : Applicable @ 10% OF ORDER VALUE

OIL INDIA LIMITED invites Global tenders for items detailed below:

AA. TECHNICAL SPECIFICATIONS WITH QUANTITY

Sl no.	Material	Quantity
10 85043961	PRIMARY VISCOSIFIER/DOWNHOLE VISCOSITY MODIFIER IN DRILLING MUD. XCD BIOPOLYMER Description and use : A biologically produced polymer to use in water based drilling fluids for increasing viscosity and as a downhole rheology modifier. Specification : 1. Product description : Dispersible Xanthan Gum Biopolymer - KELZAN XCD / DUOVIS manufactured by M/s. CP Kelco Oilfield Group USA OR EQUIVALENT A dispersible Xanthan Gum Biopolymer to be used	36,000 KG

as primary viscosifier in water base drilling fluid in temperature upto 120 degC. The product should be a high gum biopolymer produced by the action of microorganism xanthomonus campestris on carbohydrate molecular weight, a high purity xanthan. The material should be free from all kinds of dead bacteria and should give clean water like solution without any turbidity.

2. Physical Properties : The material, as received, should be a free flowing white to creamish / brownish white powder free from foreign matter and visible impurities.

3. Moisture Content, measured by drying at 105 +/- 2 degC, % by mass, maximum : 10.00

4. Dispersibility / solubility test : Should be quickly and easily dispersible in water when sprayed in water taken in a breaker and should not remain floating. 1.00% (w/v) solution of the product in distilled water after mixing in multimixer for 30 minutes should give clean solution without turbidity.

5. Rheological properties : Prepare a 0.5% (w/v) solution of the sample in 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 :

(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

6. Crosslinking properties : 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 :

- (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

7. Performance Test :

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.

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 :

- (i) Apparent viscosity, cp : should not decrease
- (ii) Yield value, lbs/100 ftsq : should not decrease
- (iii) API fluid loss, ml : should not increase

8. Temperature stability :

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.

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 :

(i) Apparent viscosity, cp : should not decrease

(ii) Yield value, lbs/100 ftsq : should not decrease

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.

10. P a c k i n g :

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.

11. Markings :

Each bag should have clear legible markings as given below :

(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.

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.

BB . Standard Note :

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

2) In Technical Bid opening, only Collaboration Folder (C folder) will be opened. Therefore, the bidder should ensure that Technical bid along with test report in original of the latest manufactured product including the testing procedure of the parameters indicated in the product specification, Material Safety Data Sheet, Quality assurance certificate of the offered product, product data sheet if any, packing detail etc as mentioned in the technical specifications as well as BEC/ BRC as mentioned below are to be uploaded in the c-Folder link (collaboration link) under Un-priced Bid Tab Page only. **No price should be given in above C folder, 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 C folder only.

3) OIL reserves the right to allow Small Scale Sectors registered with NSIC purchase preference facility as admissible as per existing Government Policy. The bidders are requested to check the latest position on the subject on their own and OIL does not accept any liability whatsoever, on this account.

4). **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.**

5) **Price should be maintained in the “online price schedule” only. The price quoted in the “online price schedule” only will be considered.**

6. 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.

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9) The tender sample as per BRC clause no. (iii) should reach us before bid closing date and time stipulated in the e-tender.

10) Performance Security is applicable against this tender. Please refer clause 10.0 of Section A of General Terms and conditions for Global Tender (MM/GLOBAL/E-01/2005).

11) The original bid security (Amount is mentioned above and also in Basic Data of the tender in OIL’s e-portal) should reach us before bid closing date and time of technical bid. Bid without original bid security will be rejected. The bidders who are exempted from submitting of Bid Bond should attach documentary evidence in the Collaboration folder as per clause 9.8 of Section A General Terms and conditions for Global Tender (MM/GLOBAL/E-01/2005).

12) 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".

13) OIL reserves the right to allow Small Scale Sectors registered with NSIC purchase preference facility as admissible as per existing Government Policy. The bidders are requested to check the latest position on the subject on their own and OIL does not accept any liability whatsoever, on this account.

14) 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.

15) Price should be maintained in the “online price schedule” only. The price quoted in the “online price schedule” only will be considered.

16) 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.

17. Integrity Pact is applicable against this tender. The name of the OIL’s Independent External Monitors at present are as under :

- (I) SHRI N. GOPALASWAMI, I.A.S (Retd) ,**
- (II) SHRI RAMESH CHANDRA AGARWAL , IPS(Retd)**

CC. BID REJECTION CRITERIA (BRC)

In addition to BRC criteria vide SECTION – ‘D’ of General Terms and Conditions for Global Tender (MM/ GLOBAL/E01/2005), the following clause will be applicable against this tender

1. The party should be preferably a Manufacturer of the product. In case the bidder is not a manufacturer, he should be an authorized representative / dealer / supplier of the product of manufacturer. The authorized 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. The manufacturer should have at least 3 years of manufacturing experiences of XC Polymer with supply record of minimum one order of 50% of tender quantity of XC Polymer to various E&P / Mud Engineering companies. For this purpose the period reckoned shall be the period prior to the date of opening of the techno-commercial bid. Documentary evidences in support of above supply should be submitted along with the technical bid. OIL reserves the rights to verify the same.

3. The bidder should submit tender sample of the product in duplicate (i.e 2 samples) along with the bid. The bid should also accompany test report in original of their latest manufactured product. The report should also include the testing procedure of the parameters indicated in the product specification. Further, the bidder should confirm that bulk supply will be exactly same as the tender sample supplied for technical evaluation. Bid without tender samples will be rejected.
4. The quantity of each tender sample should be ½ kg minimum.
5. The tender sample will be evaluated in OIL's laboratory as per OIL's tender specification for acceptance.
6. The bidder (manufacturer/authorized representative) must produce quality assurance certificate that the offered product will be of same quality/standard as the tender sample submitted along with the bid.
7. The manufactured product should be strictly as per OIL's specification provided along with the bid.
8. Bidder shall submit a copy of Material Safety Data Sheet of the quoted product along with the bid.
9. The material should be supplied in the original packing of the manufacturer with markings conforming to the tender specification.
10. Any tender sample submitted without shelf life specified by the bidder in the accompanying product information sheet or shelf life of less than one year (as certified by the bidder) shall be rejected.
11. Only the products which are field-proven will be considered for bulk procurement against this tender. The supplied material against orders will be accepted after its passing the specification test in the laboratory upon arrival 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. In case the supplied product is found to perform only at a higher dosage during such test, OIL will normally reject the consignment and ask for replacement. However, OIL reserves the right to use (in part or full) such inferior supply at any optimally performing higher dosage - as determined during the quality assessment test in the laboratory - because of operational exigency, and deduct payment from the supplier's bill on pro-rata basis.

12. **C folder is meant for Technical bid only. Therefore, No price should be given in C folder, otherwise the offer will be rejected. Similarly, the technical bid is to uploaded in the C folder only.**
13. 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. Any bid not accompanied by Integrity Pact Proforma duly signed (digitally) by the bidder shall be rejected straightway. 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.

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