

**OIL INDIA LIMITED**  
 (A Govt. of India Enterprise)  
 P.O. Duliajan-786602, Assam.  
Fax No. 91-374-2800533, E-mail:material@oilindia.in

**Tender No. & Date : DFS0196L11/01                      29.11.2010**

Bid Security Amount : INR                      0.00 OR USD                      0.00  
 (or equivalent Amount in any currency)

**Bidding Type : Single Bid (Composite Bid)**

Bid Closing On : 02.02.2011 at 13:00 hrs. (IST)  
 Bid Opening On : 02.02.2011 at 13:00 hrs. (IST)

Performance Guarantee : Not Applicable

OIL INDIA LIMITED have issued Limited tenders to following parties for items detailed below. For General Terms & Conditions, please refer to Document No. MM/GLOBAL/01/2005 available in OIL's web site:

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 85040458	<p>ASHPHALTIN BASED SHALE STABILISING AGENT  <b><u>SULPHONATED ASHPHALT</u></b></p> <p><u>Description of the product and use :</u></p> <p>A partially water soluble sodium salt of sulphonated ashphalt used for shale / clay inhibition and to prevent sloughing of problematic splinttery shales.</p> <p><u>Specification :</u></p> <p>1. Physical properties : The material, as received, should be a free flowing brown to black coloured powder, free from lump and oher foreign matter.</p> <p>2. Moisture content, measured by drying : 10.00 at 105 +/- 2 degC, % by mass, maximum.</p> <p>3. Soluble matter content, % by mass            (i) In distilled water : 65 - 70            (ii) In dimethyl chloride : 30 - 35</p> <p>4. PH of 2% (w/v) solution in distilled water a : 8.5            26 +/- 2 degC, minimum</p> <p>5. Qualitative test for presence of sulphonate group.: Positive</p> <p>6. Barium chloride test : Mix 1% (w/v) of the sample in distilled water and stir in multimixer for 10 minutes.            to this add 150 ml distilled water and 0.5 gm barium chloride (LR grade) and again stir for 10 minutes in multimixer. Pour the content to a beaker and observe after 30 minutes. No formation and setting of black coloured precipitates should take place.</p>	3000	BAG

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	<p>7. <u>Performance Test</u> :</p> <p>A. Lubricity test : Prepare a 7.5% (w/v) bentonite suspension in distilled water using OIL approved bentonite 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 the suspension and stir for 15 minutes in multimixer. Adjust apparent viscosity for the suspension to 15 cp by dilution with distilled water, if distilled water, if necessary. Treat the suspension with 2.0% (w/v) sulphonated asphalt sample and stir for 30 minutes in multimixer for lubricity test. Determine lubricity co-efficient using a standard mud lubricity tester.</p> <p>Lubricity co-efficient should not be more than 0.30</p> <p>B. <u>Inhibition Test</u> :</p> <p>I. <u>In bentonite suspension</u> :</p> <p>(a) Preparation of base mud : Prepare a bentonite suspension by stirring 7.5% (w/v) OIL approved bentonite in distilled water in a multimixer for 15 minutes. Determine apparent viscosity and value of this base mud immediately at 26 +/- 2 degC.</p> <p>(i) Apparent viscosity, cp : To record (ii) Yield value, lbs/100 ftsq : To record</p> <p>(b) Preparation of treated mud : Add 3% (w/v) sulphonated asphalt sample to distilled water and stir in multimixer for 15 minutes. To this add 7.5%(w/v) OIL approved bentonite and stir for additional 15 minutes in a multimixer. Determine apparent viscosity and yield value of this treated mud at 26 +/- 2 degC which should be as follows :</p> <p>(i) Apparent viscosity,cp,max. : 35% of 7B(I)(a,i) (ii) Yield value,lbs/100 ftsq,max:15% of 7B(I)(a,ii)</p> <p>II. <u>In bentonite and kaolin mixture</u> :</p> <p>(a) Preparation of base mud : Prepare a base mud using 52.5 gms of OIL approved bentonite and 263 gms of kaolin powder in 1000ml distilled water. Adjust PH to 10.5 by 5 N NaOH solution. Mix thoroughly in a multimixer for 30 minutes and divide the suspension into two parts.</p> <p>Hot age one part at 65 degC in rolling condition for 18 hrs. After the lapse of the aging period,cool and stir for further 10 minutes in multimixer. Measure apparent viscosity and yield value of the mud at 26 +/- 2 degC.</p>		

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	<p>(i) Apparent viscosity, cp : To record (ii) Yield value, lbs/100 ftsq : To record</p> <p>(b) Preparation of treated mud : To the other part of the mud, add 3% (w/v) of the sulphnated ashphalt sample and mix in multimixer for 30 minutes. Hot age the mud at 65 degC in rolling condition for 18 hrs. After the lapse of the aging period, cool and stir the mud for 10 minutes in multimixer. Measure apparent viscosity and yield value at 26 +/- 2 degC which should be as follows :</p> <p>(i) Apparent viscosity,cp,min.: 40% of 7B(II)(a,i) (ii) Yield value,lbs/100 ftsq,min.:25%of 7B(II)(a,ii)</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 withstand rigours of ransit and storage. <b><u>Capacity 25 kgs net per bag.</u></b></p> <p>9. <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><b>N.B.</b> Apparent viscosity 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 :**

Bidder should forward 1/2 Kg. of sample free of cost alongwith their quote for laboratory test/evaluation. However, the parties who have been exempted from submission of tender samples for this specific item, should enclose a copy of our letter along with the offer in place of sample

**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. TENTATIVE DELIVERY REQUIRED IN TWO LOTS AS UNDER-

- i) 1ST LOT OF 50% IN OCTOBER 2011.
- ii) 2ND LOT OF 50% IN JANUARY 2012.

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 ALONG WITH THE OFFER.

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**Tender issued to following parties only:**

Slno	V_Code	Vendor Name	City/Country
1	100408	CHEVRON PHILLIPS CHEMICALS ASIA PTE	SINGAPORE 038985
2	100597	M-I LLC	Dubai
3	100836	BAKER HUGHES INTEQ	TEXAS
4	101717	HALLIBURTON EXPORT INC.	TEXAS
5	200082	HINDUSTHAN M-I SWACO LIMITED	GUJARAT
6	203437	GLOBAL DRILLING FLUIDS & CHEMICALS	HALOL