

OIL INDIA LIMITED  
(A Govt. of India Enterprise)  
Udyan Vihar, Narengi, Guwahati,  
Assam

Fax-91 0361 2643686  
Email-oilmatpl@oilindia.in

**ANNEXURE-I**

**Tender No. : GOS6149P08**  
**Tender Date : 07.08.2007**

Item No./ Mat. Code	Material Description	Quantity	UOM
<b>10</b> 67047016	<p><b>COALTAR ENAMEL</b></p> <p><b><u>SPECIFICATION OF COALTAR ENAMEL</u></b></p> <p>Coal-tar Enamel Conforming to AWWA-C-203 #86 type I specification packed in 200 kg capacity new mild steel container.</p> <p><b>SPECIFICATION</b></p> <p>Plasticized coal-tar enamel shall conform to specification AWWA C 203-91: The enamel shall consist of specially processed coal tar pitch blended with inert mineral fillers properly graded, clean &amp; dust free. The enamel shall contain no asphalt either petroleum or natural base. The enamel shall have physical properties as shown below:</p> <p>A. Characteristics (Enamel type-I) Requirement Test Method</p> <ol style="list-style-type: none"> <li>1. Softening point, C 110 C/min./120 C max. ASTM D 36</li> <li>2. Filler content, % by weight 25% to 30% ASTM D2415</li> <li>3. Specific gravity at 25 C 1.4 to 1.5 ASTM D 71</li> <li>4. Penetration, 1/10 MMa) 25 C, 100 Gm, 5 sec.b) 45 C, 50 Gm, 5 sec. 5-810-20 ASTM D5</li> <li>5. High temperature sag test at 71 Degree /C,(24 hrs.) mm max. 1.5 AWWA C-203,SEC. 2.8.9</li> <li>6. Low temperature test at 18 Degree/C,For 6 hrs. cracking No cracking AWWA C 203 SEC.2.8.10</li> <li>7. Peel test with synthetic primertype B. No peeling AWWA C 203 SEC 2.8.11</li> <li>8. Impact test : AWWA C- 203/SEC 2.8.12 <ol style="list-style-type: none"> <li>a) Direct Impact, dis-bonded area,Sq.mm. maximum.b) Indirect impact, dis bonded area, Sq.mm .maximum. 10,0003,800</li> </ol> </li> <li>9. Deflection test (initial) IS 10221, APPENDIX A-3 <ol style="list-style-type: none"> <li>a) First crack, mm, minimumb) Disbonded area, sq. mm. maximum 153000</li> </ol> </li> <li>10. Deflection test (after heating) IS 10221, APPENDIX A-4 <ol style="list-style-type: none"> <li>c) First crack, mm, minimumd) Disbonded area, sq. mm. maximum 105000</li> </ol> </li> <li>11. Flow time, at 240 C, sec. 9-16 BS 4164, APPENDIX-F</li> <li>12. Cathodic disbonding in 28 days, mm, max. 5 BS 4164, APPENDIX -M</li> </ol> <p><b>Note</b></p> <ol style="list-style-type: none"> <li>1. Packing &amp; Marking : All Coaltar Enamel purchased shall be packaged in suitable , approved containers. The enamel shall be packed in suitable approved 200kgs capacity sound steel container respectively on a non-returnable basis. Each container shall be marked with the name of the manufacturer, batch number/lot number and net weight of the contents.</li> <li>2. Inspection : Inspection of each batch of materials will be carried out by our Engineer at your works prior to despatch. You shall intimate us for inspection at least 10 working days in advance from the actual date of inspection due.</li> </ol>	5619	DR

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	<p>3. The supplier should furnish the following information:</p> <p>i) Method of application of enamel and coverage in square meter per tonne;  ii) Maximum allowable temperature to which enamel may be heated;  iii) Maximum time enamel may be held in heating kettle at application temperature and at a lower temperature without deterioration.</p> <p>4 DELIVERY: Delivery of entire ordered quantity should be completed during the delivery period as mentioned in Annexure-(A) at required delivery destination.</p>												
<p><b>20</b> 67047062</p>	<p>COAT AND WRAP MATERIAL  <b>SYNTHETIC PRIMER</b></p> <p>COAT &amp; WRAP MATERIALS SYNTHETIC PIPELINE PRIMER  Synthetic pipeline primer (as per specification enclosed),  In 20 Ltr.Drum</p> <p><b><u>SPECIFICATION OF COALTAR ENAMEL PRIMER</u></b></p> <p>Fast drying synthetic primer conforming to AWWA specification C203-86 packed in 20 liter capacity new mild steel container. The item is covered by the specialized item list under sl no : 38.</p> <p><b>Specification of Synthetic Primer :</b></p> <p>Synthetic primer type 'B' specification AWWA C-203-B6 primer shall have good spraying and brushing properties and minimal tendency to produce bubbles during application .The primer shall produce a suitable and effective bond between the metal and subsequent coating of coaltar enamel. The specification of primer to confirm the following :-</p> <table border="0" data-bbox="319 1433 1197 1702"> <thead> <tr> <th style="text-align: center;">Characteristics</th> <th style="text-align: center;">Requirement</th> </tr> </thead> <tbody> <tr> <td>1) Drying time depending upon atmospheric condition</td> <td>15-30 minutes</td> </tr> <tr> <td>2) Viscosity at 250 C</td> <td>Redwood No.I-180-240 Sec.</td> </tr> <tr> <td>3) Flash point, 0C. Min.</td> <td>37.8 0 C (min)</td> </tr> <tr> <td>4) Volatile matter (100-110 degree C)</td> <td>71% + 3% w/w Percent loss by mass</td> </tr> </tbody> </table> <p><b>Note</b></p> <p>1. Packing &amp; Marking : Coaltar Enamel primer purchased shall be packaged in suitable , approved containers. The primer shall be packaged in suitable approved 20 ltrs. capacity sound steel container respectively on a non-returnable basis. Each container shall be marked with the name of the manufacturer, batch number/lot number and net volume of the contents.</p>	Characteristics	Requirement	1) Drying time depending upon atmospheric condition	15-30 minutes	2) Viscosity at 250 C	Redwood No.I-180-240 Sec.	3) Flash point, 0C. Min.	37.8 0 C (min)	4) Volatile matter (100-110 degree C)	71% + 3% w/w Percent loss by mass	8700	L
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	<p>2. Inspection : Inspection of each batch of materials will be carried out by our Engineer at your works prior to despatch. You shall intimate us for inspection at least 10 working days in advance from the actual date of inspection due.</p> <p>3. The supplier should furnish the following information:            i) Method of application and coverage in sq. meter per liter of primer ;            ii) Drying time of primer;            iii) Maximum allowable time within which coal-tar enamel to be applied after the application of primer to the metal surface.            iv) Shelf life</p> <p>4 DELIVERY: Delivery of entire ordered quantity should be completed during the delivery period as mentioned in Annexure-(A) at required delivery destination.</p>		

**Special Notes** : 1. In case of dealer, you must submit valid authorized dealership certificate alongwith your offer without which your offer will be liable for rejection.

2. To evaluate the inter-se ranking of the offers, Assam Entry Tax on purchase value will be loaded as per prevailing government of Assam Guidelines as applicable on bid closing date. Bidders may check this With the appropriate authority, while submitting their bids.

3. Other terms and conditions as stated in Annexure II to VI.



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**OIL INDIA LIMITED invites sealed tenders for the following:**

<b>Tender No.</b>	<b>B. C. Date</b>	<b>Material Description</b>
GOS6149P08	27.09.2007	1. COAL TAR ENAMEL - 5,619 DRUMS OF 200 KG. 2. SYNTHETIC PRIMER - 8,700 LTRS.

**2.0** Bid documents (Non transferable) can be purchased from till one day prior to the respective B.C. Dates on payment of tender fee of Rs.1,000.00 (excepting for PSUs and SSI units registered for the item) each through Crossed Demand Draft in favour of M/s. Oil India Limited payable at the place of purchase of tender document from

- Head - Materials, Oil India Limited, P.O. Duliajan, Assam -786602
- Head -Calcutta Branch, Oil India Limited, 4,India Exchange Place, Kolkata - 700001
- Senior Adviser(Contract & Purchase), Oil India Limited, Plot No. 19, Sector- 16 A, NOIDA-201301
- Addl. Chief Materials Manager (Pipeline), Oil India Limited,PO: Udayan Vihar, Guwahati - 781171.

**3.0** Detailed tender document will be available in OIL's website [www.oilindia.nic.in](http://www.oilindia.nic.in)

**4.0** To be eligible for issue of tender documents, the applicant must meet the following qualifying criteria (documentary evidence to be provided) :

i. Successful execution of a single order of value not less than the amount shown below for supply of similar items during last five years:

<b>Tender No.</b>	<b>Single Order Value in Lakhs (Rs.)</b>
GOS6149P08	147.34

ii. Annual turnover of the firm in any of the last three financial years or current financial year should be more than the amount as below :

<b>Tender No.</b>	<b>Annual Turnover in Lakhs (Rs.)</b>
GOS6149P08	294.68