

OIL INDIA LIMITED
(A Government of India enterprise)
P.O. Duliajan-786602, ASSAM
Website: www.oil-india.com

EXPRESSION OF INTEREST NO. OIL/CCO/EOI/R&D/13/11
for
Consultancy Services for Flow Assurance in Duliajan-Digboi Branch Pipeline

1. Oil India Limited (OIL), a Government of India “Navaratna” category enterprise, is engaged in exploration, production and transportation of crude oil and natural gas as well as production of LPG. It has participating interest in the various overseas exploration and production (E&P) blocks. The crude oil produced from the Upper Assam oilfields is transported to the refineries in northeastern region through two pipelines: (1) The 16 " diameter, 1157 km long trunk pipeline that feeds crude oil to Numaligarh, Noonmati, Bongaigaon and Barauni refineries (2) The 8 " diameter, 35 km long branch pipeline that feeds crude oil to Digboi refinery.

2. Uninterrupted flow of crude oil through the pipelines, especially the branch pipeline, has been a persistent challenge for OIL. This is on account of the fact that produced crude oils have high wax contents (8-17% w/v) and high pour point (typically 27°C). The throughput for the branch pipeline is 75 m³/hr. Extremes in ambient temperatures range from 38-40°C in summer to 8-10°C in winter. To mitigate the wax deposition problem, chemical treatment (300 ppm of pour point depressant) as well as pigging (twice a week) is presently required throughout the year. This level of maintenance is much higher as compared to the one prevailing 2-3 years back when 150 ppm of chemical treatment in winter (typically November-March) and monthly/fortnightly pigging was required. Apart from the increased costs and manpower constraints, incidents of stuck pig/ blocked pipeline have added to the difficulties in managing the pipeline. In comparison, the wax deposition problem in the main pipeline is mild (100 ppm chemical treatment in winter, occasional pigging).

3. Global Expression of Interest (EOI) is now invited from experienced consultants for studying the wax deposition problem in branch pipeline and recommending appropriate measures for cutting down operating and maintenance costs and avoiding downtime. The scope of work will include study of the crude oil and pipeline characteristics, operating parameters and practices, etc. Expected deliverables will include the identification of measures for minimizing chemical consumption and/or pigging frequency, as well as alternative or emerging technological options for wax remediation.

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4. This EOI is not an invitation for bids. After reviewing the EOI, responding parties will be shortlisted and invited for technical presentations and submission of techno-commercial offers. The interested parties must have adequate capability and experience in providing consulting services on similar lines in petroleum E&P sector and submit the details of the assignments carried out and completed till date.

5. The interested parties may submit their offers with the following details:

EOI no.: OIL/CCO/EOI/R&D/13/11

Description: EOI for Consultancy Services for Flow Assurance in Digboi Branch Pipeline of Oil India Limited

Experience of the firm:

- A. Name of the firm/party
- B. Contact details
- C. 1st such work carried out on (year)
- D. Number of such jobs carried out
- E. Number of such jobs successfully completed
- F. List of the clients, contact details of clients and brief account of the assignments completed
- G. Profile of key technical persons who will be involved in carrying out the studies

6. Interested parties may submit 2 (two) copies of their EOI in sealed envelopes indicating the EOI number on the cover of envelopes latest by 14:00 hrs (IST) on or before 06/02/2012 at the following address:

HEAD-CONTRACTS
OIL INDIA LIMITED
DULIAJAN-786602
ASSAM, INDIA.