

EXPRESSION OF INTEREST (EOI)

EOI NO. OIL/PL/1-47/2023-24/824 dated 10.07.2023

LAST DATE OF SUBMISSION: 13:00 HRS (IST) on 09.08.2023

NOTICE FOR EXPRESSION OF INTEREST FOR “DETAILED STUDY ON DEPOSITIONAL CHARACTERISTICS OF CRUDE OIL IN PIPELINES AND PROVIDING SOLUTIONS TO MINIMISE / REMOVE SUCH DEPOSITION IN CRUDE OIL PIPELINE”

PREAMBLE

OIL INDIA LIMITED (OIL), a premier National Energy Company of India, is engaged in the business of exploration, production and transportation of crude oil and natural gas for over six decades. It is a Navaratna Company under Ministry of Petroleum and Natural Gas, Government of India and the second largest National Oil Company in the country.

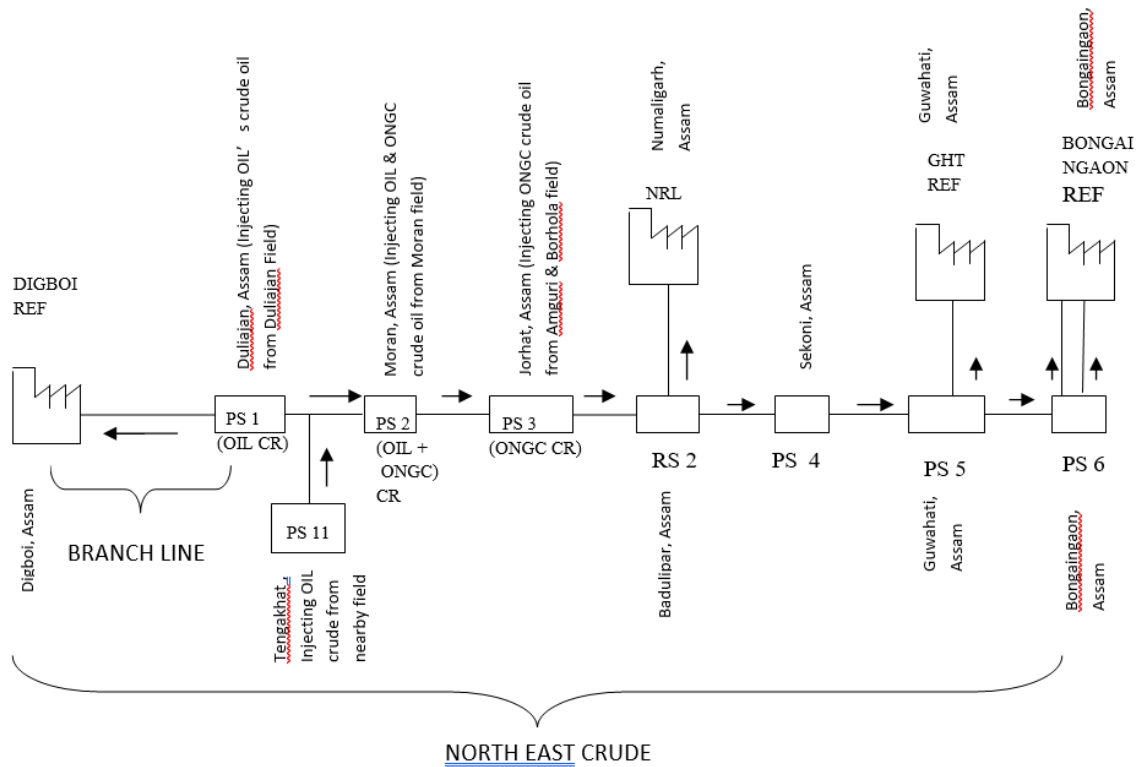
OIL owns and operates the oldest crude oil pipeline in India (Naharkatia – Barauni pipeline, NBPL) from Duliajan in Assam to Barauni in Bihar traversing hostile terrain, dense forests and crossing 78 rivers including the mighty Brahmaputra. The primary objective of the crude oil pipeline service is to transport indigenous and imported crude oil to all the NE Refineries of IOCL and NRL in a safe, efficient and economic manner.

As on date, the crude oil pipeline system has a network of 11 crude oil pumping stations and 18 repeater stations and 4 receipt Terminals.

In order to achieve uninterrupted operation of crude supply, the Pipeline Sphere of OIL ensures the structural stability of the pipeline and efficient operation of the pumps and repeater stations through effective equipment health monitoring and planned maintenance activities.

The crude oil being transported through the forward pumping sector of the pipeline is produced from the North Eastern part of India and contains high quantity of wax. For achieving the challenging milestones of transporting this crude oil to Refineries, it is necessary to understand the depositional characteristics of the crude oil, which plays a vital role as far as the transportation of crude oil is concerned. Deposition may be encountered in the vertical as well as horizontal flow regime resulting in interruption of flow which often leads to shutdown of crude oil delivery pipelines.

A schematic of OIL's pipeline network transporting crude oil produced in North Eastern part of India are shown below,



PS : PUMP STATION; CR: CRUDE; REF: REFINERY; RS: REPEATER STATION;

Fig: Schematic of OIL's pipeline network transporting NE crude oil.

SCOPE OF WORK

OIL intends to engage a prospective vendor/firm/service provider for the following:

- To carry out detailed study on depositional characteristics of crude oil being transported through OIL's Forward Pumping (Duliajan-Bongaigaon) segment and Branch pipeline (Duliajan – Digboi) segment along with impact of flow regimes and temperature.
- Based on the study, to propose a suitable, cost effective and technically feasible chemical agent (wax dispersant, pour point depressant, wax crystal modifier, flow improver or combination of these) or any other method for effective reduction of sludge/wax deposition inside pipe wall of the above mentioned pipeline segments.
- To propose the most efficient methodology for application of the suggested chemical agent in the pipeline, including rate of dosage, location and method of dosage.
- To establish improvement in depositional characteristics of the crude oil in the pipeline segment.
- Cost estimation and comparison of the project based on methodology applied for the selected chemical agent/s and methodology.
- Related environmental issues and its remedies.

QUALIFICATION CRITERIA

Interested parties with the following experience/Qualifying criteria only need to submit their EXPRESSION OF INTEREST (EOI) with credentials and supporting document: -

- a) Requisite experience & competency in carrying out detailed study on depositional characteristics of crude oil in pipeline and providing solutions to minimise / remove such deposition in crude oil pipeline. Summary of relevant experiences are to be submitted in below mentioned format along with supporting document.

List of successful jobs:

Sl. no	Client Name	Year	Type of work carried out	Project cost

OR

Experience of Expertise work personnel:

Sl. no	Personnel Name	Year of experience	Type of work carried out / project name/ client	Worked as	Project cost

- b) Respondents, after scrutiny of the documents submitted, would be required to make a detailed presentation at Pipeline Headquarter in Guwahati, Assam (India), and to give a budgetary quotation to achieve the desired result.

EOI should include the following documents:

- a) ***Letter of "Expression of Interest"***
- b) ***Company Profile;***
- c) ***Joint Venture Agreement, if applicable;***
- d) ***Relevant Experience Record;***
- e) ***Available Experts; and***
- f) ***Financial Information***

Applicants meeting the qualification criteria may be invited for presentation / proposal before the selection committee of OIL.

SUBMISSION OF EOI

Interested Vendors / firms /Service Providers having relevant experience and expertise are invited to submit their EOI(s) in hard copies in Sealed envelope super-scribing "Expression of Interest" for Identifying Potential Vendors / firms /Service Providers for " Detailed study on depositional characteristics of crude oil in pipelines and providing solutions to minimise / remove such deposition in crude oil pipeline "

The application indicating the applicant's name / address and telephone / mobile number with the details of information as mentioned above should reach:

CHIEF GENERAL MANAGER (PLM)
Oil India Limited, Pipeline Head Quarter (PHQ)
P.O. Udayan Vihar, Guwahati 781 171, Assam
Tel: 0361-2595007

Interested party shall submit their Expression of Interest (EOI) with the requested details up to **13:00 HRS (IST) on 09.08.2023** via courier / registered post in a sealed envelope super scribing the EOI Reference No **OIL/PL/1-47/2023-24/824 dated 10.07.2023** & Applicant's Name / Address on the envelope.

For details please see the through OIL's web site www.oil-india.com

Interested Parties may also submit their EOI's at following email ids

- a) jhazarika@oilindia.in
- b) dhiraj_bora@oilindia.in
- c) deepak_chetri@oilindia.in

with a copy to ramanujd@oilindia.in ***within the time frame as mentioned above.***

Potential Vendors / firms /Service Providers should provide the following Information:

- Details of Potential Vendors / firms /Service Providers Company Incorporation along with Date and Place of Incorporation.
- Number of employees in the Company.
- Contact Details

Name of concerned person	
Designation	
Telephone number	
Mobile number Fax number	
Address	
e-mail	

Note 1:

All future corrigendum/addendum/amendments and clarification to the EOI, if any, shall be hosted on above website only and not in the newspapers. Parties are therefore advised to keep themselves updated with all such amendments.

However, **OIL will not be responsible for the delay in receipt (i.e., beyond 13:00 HRS on 09.08.2023) of the same.**

In case, the above mentioned date happens to be a non-working day for OIL in Guwahati due to Bandh/holiday or for any other reason(s), EOI(s) shall be received up to the next full working day till 15:00 Hrs. (IST) and opened accordingly except on Saturdays.

For any further technical clarifications, you may contact:

- a) dhiraj_bora@oilindia.in
- b) deepak_chetri@oilindia.in

General Notes:

- (i) All documents submitted along with the EOI should be clear & legible.
- (ii) The EOI is liable to be ignored in case of submission of any misleading / false representation by the Potential Vendors / firms /Service Providers / Company.
- (iii) OIL reserves the right to ignore any or all EOIs and also to curtail/ enhance the scope of work stated above, if required, without assigning any reason thereof.
- (iv) This EOI is non-binding in nature and submission of information should not be considered as shortlisting / selection for company in any subsequent RFP/ Tender/ Bid process that may be undertaken in future.
- (v) OIL reserves the right to terminate the EOI process at any point of time without assigning reason.
- (vi) No participant shall contact OIL on any matter relating to the EOI after the last date of submission of EOI unless requested for so in writing. Any effort by the bidder to influence OIL in the decision making in respect of EOI will result in the rejection of that bidder.
- (vii) Based on the responses received against this invitation, a virtual meeting/ offline discussion (as per convenience of OIL) may be held with the responding Potential Vendors / firms /Service Providers / Company to discuss on the information/ views submitted. Date and time shall be intimated separately.