

**INVITATION FOR EXPRESSION OF INTEREST (EOI)**  
**EOI NO.: OIL/R&D/GLOBAL/EOI/04/2017**

**FOR**  
**" INTEGRATED SERVICE OF MODULAR INJECTION FACILITY & SUPPLY OF**  
**CHEMICALS FOR A PILOT POLYMER FLOODING EOR PROJECT IN**  
**NAHORKATIYA FIELD OF**  
**OIL INDIA LIMITED"**

**1.0 PREAMBLE:**

**OIL INDIA LIMITED** (OIL), a Government of India Enterprise, is a premier oil & gas company engaged in exploration, production and transportation of hydrocarbon with its headquarters at Duliajan in the Dibrugarh district of Assam, India invites EOI from reputed and established E & P Vendor/Contractor/Service Provider (SP) globally meeting the pre-qualification criteria as mentioned below for issue of tender documents for providing Services for Polymer Flooding needs. The company has operating interests across the country as well as in several foreign countries. The major oil & gas producing assets of the company are located in Upper Assam Basin of North East India, barring a hydrocarbon producing asset in Rajasthan. The operational area is spread over a radius of around 60 km from field head quarters at Duliajan. Duliajan has railway and air connectivity with the nearest airport at Dibrugarh, 50 km away.

**2.0 OBJECTIVE:**

Most of the crude oil and gas produced by Oil India Limited (OIL) is from its matured and ageing fields. Revitalization of mature and ageing fields to augment production and improve recovery through various optimization studies as well as use of fit-for-purpose technology is a priority and has been applied to a number of candidate reservoirs. Additionally, Enhanced Oil Recovery (EOR) is also being considered to be one of the thrust areas of the Company now. In order to enhance production /recovery from its mature fields, various EOR schemes for increasing reservoir oil recovery are being looked into. In this line, OIL intends to implement a Pilot scale chemical EOR Project in the form of Polymer Flooding. OIL is therefore looking at Agencies/Firms (either single or in consortium) who have the expertise in this field for supply of polymer, additives as well as building up of necessary facilities for the same.

**3.0 PROJECT INFORMATION - POLYMER FLOODING**

Oil India Limited (OIL) has recently explored the feasibility of EOR application through a Consultancy Project that made laboratory as well as simulation studies on application of chemical EOR in two of the reservoirs of Nahorkatiya and Zaloni Field's. During the study, various scenarios were explored including changing the current water injection Plan to pattern water flooding and application of chemical EOR. It was found that both reservoirs have significant opportunities for increasing production and recovery. Polymer flooding has been found to be an applicable EOR process for the reservoirs. Therefore, it has been decided to implement Polymer Flooding as a Pilot Project in Nahorkatiya Field initially.

**4.0 LOCATION OF THE AREA:**

The company has operating interests across the country as well as in several foreign countries. However, the major oil & gas producing assets of the company are located in Upper Assam Basin of North East India, barring a hydrocarbon producing asset in Rajasthan. The operational area in the Upper Assam Basin of

North East India is spread over a radius of around 60 km from field head quarters at Duliajan. Duliajan has railway and air connectivity with the nearest airport at Dibrugarh, 50 kms away. The identified Field where the Pilot Chemical EOR in the form of Polymer Services is planned to be carried out is located very close to Dibrugarh town.

#### **5.0 BROAD SCOPE OF WORK:**

This scope of work is scheduled for supply of chemicals (polymer, additives and others) as well as building up of modular type injection facility for the Pilot scale chemical EOR Project in the form of Polymer Flooding in Nahorkatiya Oil Field and includes, but not limited to the following:

- Requirement of Injection water Conditioning Facility (Filtration to remove total suspended solids, Degassing Unit to remove dissolved oxygen, Water Softening Unit (WSU), Sand filter for removing additional left over oxidized iron (Fe) etc to desirable limits)
- Supply of Polymer (PHPA-Partially Hydrolyzed Poly Acrylamide) with facility for storage at site for about seven (7) days requirement and three (3) weeks at a storage house somewhere in Duliajan
- Polymer mixing, dissolution and maturation Facility
- Commissioning and installation of Injection Pumps with (capacity - to be provided ) to feed the different parts of the Process with water. Water will be sourced from the water wells located nearby.
- Commissioning and Installation of required Power Supply for all electrical needs.
- Requirement of a robust surveillance system to maintain injection water quality, polymer solution quality and also to monitor produced fluid parameters
- Manpower for Operation and Maintenance of the Modular Polymer Flooding Facilities for the Pilot Period of two years time.
- Equipment is assumed to be designed and put in place based on good Engineering Practices
- Safety and Environmental concerns with regard to supply of chemicals have to be adhered upon
- Any other activity as may be required for Polymer Flooding as a Pilot EOR Project in Nahorkatiya Field/reservoir.

#### **6.0 SAFETY, HEALTH AND ENVIRONMENT :**

The Vendor/Contractor/Service Provider shall have to comply with the applicable and prevailing provisions of Mines Act, 1952, OISD (Oil Industry Safety Directorate) guidelines and MoE&F (Ministry of Environment and Forest) directives.

#### **7.0 PRE-QUALIFICATION CRITERIA**

Considering that the importance of the Project, it is anticipated that the prospective Vendor/Contractor/Service Provider (SP) may be one who is technically as well as financially competent on its own or through a consortium of companies.

Consortium EOI(s) shall be submitted with a Memorandum of Understanding (MOU) between the consortium members duly signed by the authorized Executives of the consortium members clearly defining the role/scope of work of each partner/member, binding the members jointly and severally to the responsibility for discharging all obligations under the contract and identifying the Leader of Consortium. Unconditional acceptance of full responsibility for brief 'Scope of Work' by the Leader of the Consortium shall be submitted with the EOI.

#### **A) Technical Criteria**

The Vendor/Contractor/Service Provider/bidder must fulfil the following minimum pre-qualifying criteria for empanelment/ short-listing for issue of tender documents for hiring of Polymer Flooding Services.

A.1 Vendor/Contractor/Service Provider (SP) should be a registered company / LLC

A.2 Experience of carrying out at least two (2) such or at least similar kind of work in the past ten (10) years from the EOI publication date.

A.3 The Vendor/Contractor/ Service Provider should be in a position to start mobilization of their resources at site to take up the assignment in the event of a contract within ninety days (90) days from the date of issue of short Notice (Letter of Award) by Company. Vendor/Contractor/ Service Provider is required to submit a declaration in this regard.

To demonstrate their experience and capabilities, the Service Provider should provide information separately in an **Annexure**, highlighting the Projects of same or similar nature completed or currently under progress during the past ten (10) years along with details of infrastructure built and technology utilised for such contracts.

#### **B) Financial performance**

The Vendor/Contractor/Service Provider shall have an Annual financial turnover of 50% of the estimated Tendered Value (to be decided during tendering process) during any of the preceding 03 (three) financial/accounting years reckoned from the original EOI publication date. Net worth of Vendor/Contractor/ Service Provider/bidder must be positive for preceding financial / accounting year.

##### **NOTE:**

(a) For proof of Annual Turnover & Net worth any one of the following documents must be submitted along with the EOI:

i) A certificate issued by a practicing Chartered /Cost Accountant (with Membership Number and Firm Registration Number), certifying the Annual turnover & Net worth as per format prescribed in another **ANNEXURE**.

OR

ii) Audited Balance Sheet along with Profit & Loss account. In case of foreign Vendor/Contractor/Service Provider, self-attested/digitally signed printed published accounts are also acceptable.

In case the Audited Balance Sheet and Profit Loss Account submitted along with the EOI are in currencies other than INR or US\$, the Vendors/Contractors/Service Providers shall have to convert the figures in equivalent INR or US\$ considering the prevailing conversion rate on the date on which the Audited Balance Sheet and Profit & Loss Account is signed. A CA Certificate is to be submitted by the Vendor/Contractor/ Service Provider/bidder regarding converted figures in equivalent INR or US\$.

### **C) OTHERS:**

In case the Vendor/Contractor/ Service Provider is a Consortium of Companies, the Leader of the Consortium should satisfy the minimum requirements as per Para 7.A.1, 7.A.2, 7.A.3, above.

- (a) The consortium member(s) shall have to meet the Financial criteria mentioned in Clause No. 7.B, above. However, one of the Consortium (Leader) is to meet the above financial criteria of 50% turnover. The other members of Consortium should meet minimum 25% turnover.
- (b) Consortium EOI(s) shall be submitted with a Memorandum of Understanding (MOU) between the consortium members duly signed by the authorized Executives of the consortium members clearly defining the role/scope of work of each partner/member, binding the members jointly and severally to the responsibility for discharging all obligations under the contract and identifying the Leader of Consortium. Unconditional acceptance of full responsibility for brief 'Scope of Work' by the Leader of the Consortium shall be submitted with the EOI.

In case the Vendor/Contractor/Service Provider is an Indian Company / India joint venture Company, the lead bidder should meet the criteria laid down in Para 7.A.1, 7.A.2,7.A.3. Also, the Indian Company/Indian Joint Venture Company who does not meet the minimum pre-qualifying criteria as per clause No. 7.A.1, 7.A.2, 7.A.3 may also submit the EOI on the strength of Technical Collaborator/Joint Venture Partner. However, the Primary Vendor/Contractor/ Service Provider shall have to meet the financial criteria mentioned in Clause Nos. 7.B above.

Any party who is extending technical support by way of entering into technical collaboration with another party shall not be allowed to submit an independent bid and such bids shall be rejected straightway. Further, all bids from parties with technical support from same principal will also be rejected.

EOI from Vendor/Contractor/ Service Provider, who themselves do not meet the experience criteria as stipulated in the Para 7.A.1, 7.A.2 ,7.A.3, ,7.B above can also be considered, provided the Bidder/ Vendor/Contractor/Service Provider is a 100% subsidiary company of the parent company which meets aforesaid experience criteria. In such cases, as the subsidiary company is dependent on the experience of parent company, the participating Vendor/Contractor/Service Provider should submit an agreement / Corporate Guarantee as per **Annexure**. However, the parent/ subsidiary company of the Vendor/Contractor/Service Provider should on its own meet the experience criteria as stipulated in the Pre-Qualifying Criteria and should not rely for meeting the experience criteria on its sister subsidiary / co-subsidiary company or through any other arrangement like Technical Collaboration agreement.

### **8.0 INFORMATION & DOCUMENTS**

Vendor/Contractor/Service Provider must furnish the following in support of fulfilling all the above pre-qualifying criteria:

- (a) **EOI No:**

(b) **Description:** EOI for Integrated Service of Modular Injection Facility & Supply of Chemicals for a Polymer Flooding EOR Project of OIL

(c) Experience: Rendering Carbonated Water Injection (CWI) Services or Projects of same or similar nature completed or currently under progress during the past ten (10) years in tabular form with details of infrastructure built for such Projects along with List of the technology utilised for such contracts, copies of contracts / work orders and completion certificates / payment certificates issued by the clients, as **Annexure-I**.

(d) For bid submitted for a consortium of companies, the leader of the consortium should submit the documents in Para 8 a) as **Annexure-II**.

(e) Financial turnover of Vendor – Audited balance sheets / profit and loss accounts etc. as per format in **Annexure-III**.

(f) MOU or legally acceptable documents in support of tie-up arrangements, if any in support of points stipulated in Para 7.0.

8.2 All documents submitted with the EOI must be self certified by the vendor's authorized person and duly **notorised**. However, OIL reserves the right to verify the original documents.

**Notes:**

- (i) All the copies of document submitted along with the EOI should be clear and legible.
- (ii) OIL INDIA LIMITED (OIL) reserves the right to physically check the original documents/certificates, copies of which are submitted along with the EOI.
- (iii) The EOI is liable to be ignored in case of submission of any misleading/false representation by the vendor in the form of statements and attachments.
- (iv) OIL INDIA LIMITED (OIL) reserves the right to ignore any or all EOIs without assigning any reason thereof.
- (v) OIL INDIA LIMITED (OIL) reserves the right to curtail/enhance the scope of work stated above or cancel, if required, without assigning any reason thereof.

**9.0 CONTACT PERSON OF THE SERVICE PROVIDER**

- a) Name-
- b) Position-
- c) Telephone Number-
- d) Fax Number-
- e) Address-
- f) E-mail-

**10.0 UNDERTAKING BY SERVICE PROVIDER**

The following undertaking shall be provided by the intending Service Provider: -

*"The information provided in the support of qualification criteria is factually correct and the company meets the pre-qualification criteria".*

**11.0 SUBMISSION OF EOI:** Interested Parties/ Vendors/Contractors/Service Providers having relevant experience and expertise (details are available at OIL's website-[www.oil-india.com](http://www.oil-india.com)) are invited to submit their EOI(s) at our e-mail id: [eoicontracts@oilindia.in](mailto:eoicontracts@oilindia.in) within **28<sup>th</sup> October '2017**, followed by hard copies of the same in sealed envelopes super-scribing "EOI for Carbonated Water Injection (CWI) Services in Dikom Field of OIL"

**GM (CONTRACTS)  
OIL INDIA LIMITED  
CONTRACTS DEPARTMENT  
DULIAJAN-786602, ASSAM, INDIA**  
Phone: 91-374-2800548, Fax: 91-074-2803549,  
Email: [contracts@oilindia.in](mailto:contracts@oilindia.in) Website: [www.oil-india.com](http://www.oil-india.com)

Vendor/Contractor/ Service Provider may also upload their offer in their FTP server/File sharing website (portal) and the link(s) may be provided to us at our e-mail within above specified period.

**12.0** Oil India Limited reserves the right to (a) either accept or reject any / all EOI(s) (b) cancel the process, without assigning any reason whatsoever.

**13.0** 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.

**14.0** In this line, a pre-tender meeting of prospective service providers. Time & Venue for the same shall be intimated separately.

EXPERIENCE STATEMENT OF VENDOR

Mud Engineering Services

Sl. No	Project Name	Customer/Partner	Project Start Date	Project End Date	Project awarded through nomination/competitive bidding	Project Details

N.B. : Please add rows in case of more experience.

**PARENT COMPANY GUARANTEE**

**(TO BE EXECUTED ON STAMP PAPER OF REQUISITE VALUE  
AND NOTORISED)  
DEED OF GUARANTEE**

THIS DEED OF GUARANTEE executed at ..... this ..... day of ..... by M/s ..... (mention complete name) a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at ..... hereinafter called "the Guarantor" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successors and permitted assigns.

WHEREAS

M/s Oil India Limited, a company duly registered under the Companies Act 1956, having its Registered Office at Duliajan in the State of Assam, India, hereinafter called "OIL" which expression shall unless excluded by or repugnant to the context thereof, be deemed to include its successor and assigns, invited tender number ..... for ..... on .....

M/s ..... (mention complete name), a company duly organized and existing under the laws of ..... (insert jurisdiction/country), having its Registered Office at ..... (give complete address) hereinafter called "the Company" which expression shall, unless excluded by or repugnant to the subject or context thereof, be deemed to include its successor and permitted assigns, have, in response to the above mentioned tender invited by OIL, submitted their bid number ..... to OIL with one of the condition that the Company shall arrange a guarantee from its parent company guaranteeing due and satisfactory performance of the work covered under the said tender including any change therein as may be deemed appropriate by OIL at any stage.

The Guarantor represents that they have gone through and understood the requirement of the above said tender and are capable of and committed to provide technical and such other supports as may be required by the Company for successful execution of the same.

The Company and the Guarantor have entered into an agreement dated ..... as per which the Guarantor shall be providing technical and such other supports as may be necessary for performance of the work relating to the said tender.

Accordingly, at the request of the Company and in consideration of and as a requirement for OIL to enter into agreement(s) with the Company, the Guarantor hereby agrees to give this guarantee and undertakes as follows:

1. The Guarantor (Parent Company / **100% Subsidiary Company (Delete whichever not applicable)**) unconditionally agrees that in case of non-performance by the Company of any of its obligations in any respect, the Guarantor shall, immediately on receipt of notice of demand by OIL, take up the job without any demur or objection, in continuation and without loss of time and without any cost to OIL and duly perform the obligations of the Company to the satisfaction of OIL.



2. The Guarantor agrees that the Guarantee herein contained shall remain valid and enforceable till the satisfactory execution and completion of the work (including discharge of the warranty obligations) awarded to the Company.
3. The Guarantor shall be jointly with the Company as also severally responsible for satisfactory performance of the contract entered between the Company and OIL.
4. The liability of the Guarantor, under the Guarantee, is limited to the 50% of the annualized contract price entered between the Company and OIL. This will, however, be in addition to the forfeiture of the Performance Guarantee furnished by the Company.
5. The Guarantor represents that this Guarantee has been issued after due observance of the appropriate laws in force in India. The Guarantor hereby undertakes that the Guarantor shall obtain and maintain in full force and effect all the governmental and other approvals and consents that are necessary and do all other acts and things necessary or desirable in connection therewith or for the due performance of the Guarantor's obligations hereunder.
6. The Guarantor also agrees that this Guarantee shall be governed and construed in accordance with the laws in force in India and subject to the exclusive jurisdiction of the courts of ....., India.
7. The Guarantor hereby declares and represents that this Guarantee has been given without any undue influence or coercion, and that the Guarantor has fully understood the implications of the same.
8. The Guarantor represents and confirms that the Guarantor has the legal capacity, power and authority to issue this Guarantee and that giving of this Guarantee and the performance and observations of the obligations hereunder do not contravene any existing laws.

For & on behalf of (Parent Company/Subsidiary Company (Delete whichever not applicable))

M/s \_\_\_\_\_

Witness:

1. Signature \_\_\_\_\_  
 Full Name \_\_\_\_\_  
 Address \_\_\_\_\_

Signature \_\_\_\_\_  
 Name \_\_\_\_\_  
 Designation \_\_\_\_\_

Common seal of the  
 Company \_\_\_\_\_

Witness:

2. Signature \_\_\_\_\_  
 Full Name \_\_\_\_\_  
 Address \_\_\_\_\_

