

**EXPRESSION OF INTEREST (EOI)**  
**FOR**

**HIRING THE SERVICES OF HYDRO-FRACTURING IN THE EXISTING WELLS OF OIL INDIA LIMITED (OIL) LOCATED IN OIL FIELDS OF ASSAM INCLUDING SUPPLY OF CHEMICALS AND CONSUMABLES ON “NO GAIN, NO PAY” BASIS.**

**EOI No.: EOI/PSS/HF/002/2025**

**DESCRIPTION:**

**Hiring the services of Hydro-Fracturing in the existing wells of Oil India Limited (OIL) located in oil fields of Assam including supply of chemicals and consumables on “No Gain, No Pay” basis.**

**1.0 PREAMBLE:**

OIL INDIA LIMITED (OIL), a Government of India Enterprise under the Ministry of Petroleum and Natural Gas, is a premier upstream Maharatna E&P Company engaged in the business of Exploration, Production & Transportation of Crude Oil & Natural Gas as well as production of LPG. Its Field Headquarters (FHQ) is at Duliajan, Dibrugarh district, Assam (INDIA) and Corporate office is in Noida, UP (INDIA). OIL’s operations are largely based in the North-Eastern parts of India particularly in Assam, Arunachal Pradesh, Nagaland, Mizoram and Tripura. Additionally, OIL operates in Rajasthan, Andhra Pradesh, Andaman and Kerala-Kankan and also has overseas presence.

**2.0 OBJECTIVE:**

Hydraulic fracturing being well known technology in the oil industry for enhancing hydrocarbon recovery from oil fields, OIL has already executed several rounds of hydraulic fracturing campaign in its oilfield in Assam, India.

Considering the experience of earlier campaigns, OIL now intends to carry out hydrofrac campaign for the first time on “No-Gain, No-Pay” basis. For this purpose, OIL has identified pool of wells from the oilfields located in Assam, India, and desires to carry out Hydro-Fracturing operations in the candidate wells to augment production.

This EOI is floated to invite participation from the prospective vendors and thereby to submit their bids to carry out hydraulic fracturing in OIL’s wells located in Assam, India on “No Gain, No Pay” basis. Based on the inputs and feedback received vide this subject EOI on the “No Gain, No Pay” basis, OIL shall, at a later stage, float an open tender for carrying out hydraulic fracturing in its wells on “No Gain, No Pay” basis.

### **3.0 DELIVERABLES:**

The bidder may be required to give a presentation to OIL on a later date after submission of EOIs on the possibility of rendering the services of hydraulic fracturing of OIL's wells on "No Gain, No Pay" basis to be hired through an open tender in the future.

### **4.0 EVALUATION CRITERIA:**

The proposals received through this Expression of Interest (EOI) shall be evaluated based on the following criteria for OIL's future open tender for hydraulic fracturing on "No Gain, No Pay" basis :

- i. Technical details with solution & feasibility of implementation. This may include the type of well data required for carrying out detailed study to find out feasibility, recommendation and design of Hydro fracturing job of any particular well.
- ii. Proven experience and track record of the bidder in executing similar projects.
- iii. Cost-effectiveness and value for investment.
- iv. Compliance with safety, environmental, and regulatory requirements.

### **5.0 SUBMISSION OF EXPRESSION OF INTEREST:**

Interested parties are requested to submit their EOIs in electronic format to [pronob\\_sarma@oilindia.in](mailto:pronob_sarma@oilindia.in), [parag\\_baishya@oilindia.in](mailto:parag_baishya@oilindia.in) or hard copy may be submitted to the following address no later than **09.06.2025:**

**CGM-PSS (HoD)**  
**OIL INDIA LIMITED**  
**P.O. DULIAJAN-786602**  
**DIST. DIBRUGARH, ASSAM, INDIA**

The EOI shall include the following information:

- i. Company profile, including relevant experience in similar projects.
- ii. Technical feasibility and innovation of the solution.
- iii. Track record of the bidder in executing similar projects.
- iv. Outline of proposed methodology and approach.
- v. Tentative Scope of Work, Terms of Reference and necessary specification with proposed methodology.

**Note:** Based on the inputs received from the prospective bidders, a Scope of Work will be prepared and forwarded to the parties for obtaining Budgetary Quotation for OIL's future open tender.

### **6.0 TIMELINE AND DELIVERABLES FOR EXECUTION IN FUTURE:**

The Contractor shall carry out detailed study of minimum 15 nos. of Oil/Gas wells shortlisted by OIL for finding out feasibility, recommendations and designing of Hydro fracturing jobs within a timeline

of seventy-five (75) days of issuance of LOA in the upcoming open tender. The mobilization period of the contractor’s manpower and all the equipment under the hired services shall be completed within 180 (days) from the date of Letter of Award (LOA) for a contract through an open tender. The duration of operation for the proposed contract will be for one (01) year from the date of completion of mobilization. The contractor shall maintain their base office for operation & maintenance from in and around Duliajan, Assam.

An outline of the activities / execution philosophy, as presently envisaged by OIL, to be incorporated in the “Scope of Work” for the upcoming open tender for hydraulic fracturing campaign on “No Gain, No Pay” basis is enclosed as **Annexure-I** of this EOI document. The prospective service providers may submit their offers in this EOI taking into consideration the contents of the **Annexure-I** enclosed.

**7.0 GENERAL NOTES:**

- a. All documents/brochures submitted along with the EOI shall be self-certified and clear & legible.
- b. The EOI is liable to be ignored in case of submission of any misleading/false representation.
- c. OIL reserves the right to ignore any or all EOI bids, without assigning any reason thereof.

**8.0 CONFIDENTIALITY:**

All information provided during the EOI process will be treated as confidential and used solely for the purpose of evaluating submissions and thereby enabling OIL to prepare a final Scope of Work / Schedule of Rate for OIL’s upcoming open tender for hydraulic fracturing on “No Gain, No Pay” basis.

Please note that this invitation does not constitute a commitment to award the project or provide any form of reimbursement for costs incurred during the preparation of the EOI.

Should you have any questions or require further clarification, please do not hesitate to contact us at [pronob\\_sarma@oilindia.in](mailto:pronob_sarma@oilindia.in) / [parag\\_baishya@oilindia.in](mailto:parag_baishya@oilindia.in). We look forward to receiving your Expression of Interest and exploring the potential of working together on this important project.

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**OUTLINE OF ACTIVITIES/EXECUTION PHILOSOPHY TO BE INCORPORATED IN THE “SCOPE OF WORK” (AS ENVISAGED BY OIL) THROUGH AN OPEN TENDER (IN FUTURE) FOR OIL’S HYDRAULIC FRACTURING CAMPAIGN ON “NO GAIN, NO PAY” BASIS.:**

**1.0** The hydraulic fracturing operation shall be executed in two (02) phases of Oil/Gas wells in Company’s Oil fields in Assam, India.

**Phase-I: Study and Submission of Report:**

The Contractor shall carry out detailed study of 15 nos.(min) of Oil/Gas wells shortlisted by OIL for finding out feasibility, recommendations and designing of Hydro fracturing job within a timeline of seventy-five (75) days of issuance of LOA. The best candidate wells in order of ranking shall be shortlisted for hydraulic fracturing by the contractor. The Contractor shall send a team of experts to OIL’s office at Duliajan, Assam to review/collect all necessary data and reports required for the detail study during Phase-I.

The recommendations will be submitted in the form of a Report on successful completion of the entire phase-I study cum design.

The Report shall provide incorporating the following but not limited to:

Details of Data Review, Methodology adopted for the study, Screening criteria, Ranking/prioritizing and designing, Reasons for rejecting any candidate well, Recommendations for well preparation prior to mobilizing the equipment, Fracturing design including number of fracture stages, fracture half length and width, Prediction of production profile post hydraulic-fracturing job, Projection hydrocarbon gain (in terms of rates) post hydro-fracturing job, strength of proppants, post-fracture treatment activities, etc..

**Note:**

1. The contractor shall consider the following during well selection and subsequent HF design: -  
**Completion:** 5 M/10 M well head, 2 7/8” 6.4 ppf P110 tbg, 5 ½” 20-23 ppf N80 csg. Post Frac flowback: Using CTU+NPU for a period of maximum 15 days will be considered.
2. OIL shall try to provide the latest data to the contractor to ensure a robust analysis during study phase.

**Phase-II: Well preparation, Mobilization and Execution of Hydro-fracturing for 05 (five) nos. of wells.**

The contractor shall submit the required work over program including well completion with packer for preparing the wells for hydraulic fracturing. Any specific requirement for perforation, stimulation jobs like acid, solvent, scale removal, casing integrity test, any additional Logging jobs etc. if required, shall be mentioned in the proposed plan. The final workover plan shall be approved

by OIL. The Contractor shall supply Retrievable packer of 10,000 psi differential pressure rating with required tools/accessories for its installation and retrieval for each of the wells to be fracked.

The mobilization period of all manpower and equipment (including Packers) under the hired services shall be completed within 180 (days) from the date of issuance of Letter of Award (LOA) for the contract. The day of commencement of operation shall begin on the day on which the mobilization of contractor's manpower and equipment is complete in all respects and the Contractor is ready for carrying out the hydrofracturing operation. The duration of the operation shall be for a period of 01 (one) year from the Date of commencement of operation.

## **2.0 HYDRO-FRACTURING EQUIPMENT, TOOLS AND MATERIALS:**

Contractor shall provide all required fracturing equipment, tools, materials etc. with their operating personnel necessary to perform the job. The equipment (i.e. pumping unit and blender unit) to be offered/deployed under the contract shall not be manufactured before 07 years from original Bid Closing Date (i.e., vintage of less than 7 years). Additionally, equipment (i.e. pumping unit and blender unit) to be offered/deployed shall have minimum 05 years of residual life reckoned from the original BCD. For reference purpose, it is hereby informed that the Contractor shall provide the following equipment, tools and materials, but not limited to, for execution of the Hydro-fracturing job: Fracturing Proppant, Fracturing Carrier Fluids, Acid Stimulation (if required), Fracturing pumping equipment, Proppant Blender, Hydration unit, Proppant Dumper, Storage and Mixing Tanks, Treatment Control Unit (TCU), High Pressure treating Iron, Acid Storage Tanks, Centrifugal Pumps, Tree Saver/Wellhead Isolation Tool, Electronic Pressure Transducer, Densitometer, Safety shut – off and Pop-off system with overpressure shutdown provision, Liquid additive system, Portable Laboratory Cabin, Communication Set, Annulus Pumping Spare part and working Container, Coiled Tubing and Nitrogen Pumper unit, Additional equipment (as felt necessary).

## **3.0 HYDRAULIC FRACTURE JOB EXECUTION AND SUPERVISION:**

The contractor has to perform fracturing operation as per frac design approved by OIL by deploying its experienced manpower.

## **4.0 POST TREATMENT ACTIVITIES:**

The contractor shall submit the hydraulic fracture treatment data (net pressure matching etc.). The Company will analyze the post HF treatment data submitted by the contractor and will suggest/advice the necessary measures for post HF well flowback operations. The contractor shall carry out continuous post HF flowback operations of the well using their own CTU & NPU as per the well

requirement. All necessary consumables, equipment, fittings etc. will be under the scope of the contractor. Evacuation of the flowback fluid will be under OIL's scope. Finally, the contractor shall provide a comprehensive report of all related treatment data and fracture operations, review the fracture operations and post fracture treatment analysis, lessons learnt and to present the results of the fracture treatment to OIL.

## 5.0 TERMS OF PAYMENT TO THE CONTRACTOR

The basic essence of OIL's future subject hydraulic fracturing campaign is "No Gain, No Pay" basis. Therefore, payment to the Contractor shall be done well wise only in case of success of hydraulic fracturing operation and any additional gain in crude oil &/or natural gas production is established. The service provider, vide this EOI, may provide their views and inputs in this regard.

For better and clear understanding of the roles and responsibilities to be adopted by OIL and the Service Provider in the upcoming open tender, a "Responsibility Matrix" is also provided below:

<b>Responsibility Matrix – Hydraulic Fracturing of 05 Nos of Oil/Gas Wells</b>			
<b>NO</b>	<b>DESCRIPTION</b>	<b>RESPONSIBILITY</b>	
		<b>COMPANY</b>	<b>CONTRACTOR</b>
<b>1</b>	<b>Project General</b>		
1.01	Preparation of Location and Access Roads	<b>X</b>	
1.02	License and Permits to access location	<b>X</b>	
1.03	Provision of Drilling/ workover rig services including operating manpower, site office	<b>X</b>	
1.04	Provision of: Tubular (Tubing-Completion), and Well Head Equipment(Excluding Tress Saver)	<b>X</b>	
1.05	Suggestion for Well Completion Plan		<b>X</b>
1.06	Approval of well completion plan	<b>X</b>	
1.07 (a)	Supply & Installation (with CONTRACTOR rig & rig crew) of <b>Packer</b> , assembling, R/I instructions, settings, redressing, milling, retrieval instructions (if required) including trained manpower and tools for setting and retrieval		<b>X</b>
1.07(b)	Providing equipment, chemicals and services for acid, solvent, scale removal jobs (if required)		<b>X</b>
1.08	Provision for Wire line Services for logging and Perforation.	<b>X</b>	
1.09	Provision of raw operational Water for fracturing		<b>X</b>

<b>Responsibility Matrix – Hydraulic Fracturing of 05 Nos of Oil/Gas Wells</b>			
<b>NO</b>	<b>DESCRIPTION</b>	<b>RESPONSIBILITY</b>	
		<b>COMPANY</b>	<b>CONTRACTOR</b>
<b>1</b>	<b>Project General</b>		
1.09	All frac equipment, execution and supervision of frac job including manpower		<b>X</b>
1.10	Flow back & continuous unloading		<b>X</b>
1.11	Flowback plan		<b>X</b>
1.12	Provision for NPU, FPU and CTU operations including operating manpower		<b>X</b>
1.13	Provision of Contractored Tubing including operating manpower	<b>X</b>	
1.14	Supply of Proppant and all Fracturing Chemicals,		<b>X</b>
1.15	Mobilization & installation of Tree Saver / Wellhead Isolation Tool including trained manpower		<b>X</b>
1.16	Pre Hydro Frac Operation Well Control Liability	<b>X</b>	
1.17	Environmental / Clean Up Liability (Disposal upto pit at wellsite)		<b>X</b>
<b>2</b>	<b>Preparation of Fracturing Program</b>		
<b>2.1</b>	<b>Review of Existing Data</b>		<b>X</b>
2.1.1	Providing Production and Completion Data	<b>X</b>	
2.1.2	Providing Existing Open Hole and Cased Hole Log Data. To acquire additional logs, if any, on recommendations.	<b>X</b>	
2.1.3	Well Test Data	<b>X</b>	
2.1.4	Interpretation of the data		<b>X</b>
2.1.5	Providing Core and fluid samples for lab test as per availability	<b>X</b>	
2.1.6	Laboratory tests as required		<b>X</b>
2.1.7	Well site Laboratory equipped with instruments for measuring Turbidity, Surface tension, viscosity, PH etc. of the frac fluid as well as flow back sample shall be available. Facility for sieve analysis of proppant sample to be made at well site Laboratory. The contractor should provide experienced technician for carrying out the said Lab tests.		<b>X</b>
2.2	Preparation of Hydrofrac program		<b>X</b>
2.3	Approval of Hydrofrac Program	<b>X</b>	

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		<b>COMPANY</b>	<b>CONTRACTOR</b>
<b>1</b>	<b>Project General</b>		
<b>3</b>	<b>Operations</b>		
3.1	Security of the Contractors equipment at the well site		<b>X</b>
3.2	Medivac, if any by Road		<b>X</b>
3.3	Firefighting facilities at the site	<b>X</b>	
3.4	Disposal pit at Well Site	<b>X</b>	
3.5	Trucks & Crane with trained manpower		<b>X</b>
3.6	Adequate Lighting for Operation		<b>X</b>
3.7	Waste transportation and Disposal upto pit		<b>X</b>
3.8	Provision for Diesel Supply at the site for frac jobs and contractor's equipment / units		<b>X</b>
3.9	Storage of chemicals and proppant		<b>X</b>
3.10	Camp: Accommodation and Catering for all Contractor personnel		<b>X</b>
3.11	Mobilization of the Contractor Personnel to the Rig / wellsite		<b>X</b>
3.12	Infield Transportation of Contractor Personnel		<b>X</b>
3.13	Infield Transportation - Contractors Equipment and materials		<b>X</b>

