

EXPRESSION OF INTEREST (EOI)
FOR

HIRING THE SERVICES OF HYDRO-FRACTURING IN THE NEWLY DRILLED WELLS AS WELL AS PRODUCING WELLS OF OIL INDIA LIMITED (OIL) LOCATED IN OIL FIELDS OF ASSAM & ARUNACHAL PRSDESH INCLUDING SUPPLY OF CHEMICALS AND CONSUMABLES ON “CALL OUT” BASIS.

EOI No.: EOI/PSS/HF/006/2025

DESCRIPTION:

Hiring the services of Hydro-Fracturing in the newly drilled wells as well as producing wells of Oil India Limited (OIL) located in oil fields of Assam & Arunachal Pradesh including supply of chemicals and consumables on “CALL OUT” 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.

(i) Newly drilled wells:

Considering the experience of earlier campaigns and to augment its production, OIL now intends to carry out hydrofrac campaign in its newly drilled wells from the oilfields located in Assam and Arunachal Pradesh, India for the first time on “CALL OUT” basis.

(ii) Producing wells:

OIL also intends to carry out hydrofrac campaign in its producing wells from the oilfields located in Assam and Arunachal Pradesh, India for the first time on “CALL OUT” basis.

Note: 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 newly drilled wells as well as producing wells located in Assam & Arunachal Pradesh, India on "Call Out" basis. Based on the inputs and feedback received vide this subject EOI on the "Call Out" basis, OIL shall, at a later stage, float an open tender for carrying out hydraulic fracturing in its newly drilled wells as well as producing wells on "Call Out" 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 newly drilled wells as well as producing wells on "Call Out" 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 in its newly drilled wells as well as producing wells on "Call Out" basis:

- i. Technical details with solution & feasibility of implementation. This may include the type of well data required design of Hydro Fracturing job of any newly drilled well as well as producing 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, nazirahmed@oilindia.in or hard copy may be submitted to the following address no later than **01.08.2025:**

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 design and execute the Hydro fracturing job in any well assigned by OIL within a specified timeline post award of a contract to be awarded by OIL through an open tendering process. 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 “Call Out” 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 in its newly drilled wells on “Call Out” 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 / nazirahmed@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 IN ITS NEWLY DRILLED WELLS AS WELL AS PRODUCING WELLS ON “CALL OUT” BASIS.:

1.0 INTRODUCTION: OIL intends to carry out hydraulic fracturing job in its newly drilled development wells as well as producing wells on “Call Out” basis. Hydraulic fracturing shall be carried out once production testing is done by OIL. The well selection criteria shall be decided by OIL and thereafter handed over to the service provider to carry out the hydraulic fracturing job. However, the service provider may also opt to review the wells that OIL selected for the proposed hydraulic fracturing job. In such a situation, OIL may provide the available well-completion data of the candidate well. However, for data pertaining to reservoir characteristics and reservoir fluid rheological properties, OIL may provide the data from the neighboring well(s) (producing / shut-in) drilled within the same reservoir pool for co-relation purpose, subject to availability of the same. In other words, it may be noted that there shall be no scope for candidate well selection criteria and that the service provider may opt to study the suitability of the candidate well selected by OIL free of cost only with the purpose of better understanding and job execution planning.

2.0 CALL-OUT PHILOSOPHY: OIL shall select the candidate newly drilled development well(s) based on its Tentative Drilling Program (TDP). Once the drilling rig is allotted and the tentative spud-in time is envisaged by OIL, OIL shall inform the service provider to mobilize its equipment(s), consumables & manpower including packer on “Call Out” basis and the service provider shall be equipped and ready to immediately mobilize the same so that the requisite hydraulic fracturing job can be carried out in the designated well on time and without any delay.

OIL shall select the candidate producing well(s) in existing fields. OIL shall inform the service provider to mobilize its equipment(s), consumables & manpower on “Call Out” basis and the service provider shall be equipped and ready to immediately mobilize the same so that the requisite hydraulic fracturing job can be carried out in the designated well on time and without any delay. The service provider may note that mobilization may be required to be carried out for hydraulic fracturing in only a single well at a time during each phase of maiden “Call Out”. OIL shall however endeavor and plan to assign a maximum no of wells to the service provider for every maiden “Call Out”. In worst case, for unforeseen situations like well complicacies, it may so happen that even the single assigned well may not be available for hydraulic fracturing. In such case, the packer identified for the well shall be kept by OIL and consumed on a later date in another well.

3.0 GENERAL WELL COMPLETION (PRACTICED BY OIL): The service provider shall consider the following general well completion design that is followed in OIL:

5 M/10 M well head, 2 7/8" 6.4 ppf P110 tbg, 5 1/2" 20-23 ppf N80 csg.

OIL shall inform the service provider in advance in case OIL decides to complete any well with different well completion policy.

Post Frac flowback: Using CTU+NPU as per the well requirement and as desired by OIL.

4.0 HYDRO-FRACTURING EQUIPMENT, TOOLS AND MATERIALS: The service provider 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).

5.0 HYDRAULIC FRACTURE JOB EXECUTION AND SUPERVISION: The contractor has to perform fracturing operation as per the frac program designed by them and mutually approved by both OIL and the service provider.

6.0 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 and as desired by OIL. 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.

7.0 DURATION OF THE CONTRACT: The duration of the contract shall be four (04) years with multiple “Call Out” option.

TERMS OF PAYMENT TO THE CONTRACTOR: The basic essence of OIL’s future subject hydraulic fracturing campaign is “Call Out” 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. Mobilization/demobilization charges shall be paid one time during the currency of the Contract. For hydrofrac services rendered including consumables used, payment shall be made well wise for every successful hydraulic job being carried out by the service provider.

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 provided below:

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

Responsibility Matrix – Hydraulic Fracturing			
NO	DESCRIPTION	RESPONSIBILITY	
		COMPANY	CONTRACTOR
1	Project General		
1.10	Flow back & continuous unloading		X
1.11	Flowback plan		X
1.12	Provision for NPU, FPU and CTU operations including operating manpower		X
1.13	Provision of Contractored Tubing including operating manpower	X	
1.14	Supply of Proppant and all Fracturing Chemicals,		X
1.15	Mobilization & installation of Tree Saver / Wellhead Isolation Tool including trained manpower		X
1.16	Pre Hydro Frac Operation Well Control Liability	X	
1.17	Environmental / Clean Up Liability (Disposal upto pit at wellsite)		X
2	Preparation of Fracturing Program		
2.1	Review of Existing Data		X
2.1.1	Providing Production and Completion Data	X	
2.1.2	Providing Existing Open Hole and Cased Hole Log Data. To acquire additional logs, if any, on recommendations.	X	
2.1.3	Well Test Data	X	
2.1.4	Interpretation of the data		X
2.1.5	Providing Core and fluid samples for lab test as per availability	X	
2.1.6	Laboratory tests as required		X
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.		X
2.2	Preparation of Hydrofrac program		X
2.3	Approval of Hydrofrac Program	X	
3	Operations		
3.1	Security of the Contractors equipment at the well site		X
3.2	Medivac, if any by Road		X
3.3	Firefighting facilities at the site	X	
3.4	Disposal pit at Well Site	X	

Responsibility Matrix – Hydraulic Fracturing			
NO	DESCRIPTION	RESPONSIBILITY	
		COMPANY	CONTRACTOR
1	Project General		
3.5	Trucks & Crane with trained manpower		X
3.6	Adequate Lighting for Operation		X
3.7	Waste transportation and Disposal upto pit		X
3.8	Provision for Diesel Supply at the site for frac jobs and contractor’s equipment / units		X
3.9	Storage of chemicals and proppant		X
3.10	Camp: Accommodation and Catering for all Contractor personnel		X
3.11	Mobilization of the Contractor Personnel to the Rig / wellsite		X
3.12	Infield Transportation of Contractor Personnel		X
3.13	Infield Transportation - Contractors Equipment and materials		X

