

OIL INDIA LIMITED
(A Govt. of India Enterprise)
PSS DEPARTMENT
P.O. Duliajan-786 602(Assam)

INVITATION FOR EXPRESSION OF INTEREST (EOI)

EOI NO.: EOI/PSS/C/CO2-001/2021-22 dated 15.09.2021

Sub: Expression of Interest (EOI) for "Feasibility study for well Integrity issues, well completion design for injector & producer wells, post capture surface facilities aspects of CO2-EOR as Carbon Capture Utilization & Storage (CCUS) project" in Nahorkatiya Oilfield of OIL INDIA LIMITED in Assam, India"

1.0 PREAMBLE:

OIL INDIA LIMITED (OIL), a Government of India Enterprise under the Ministry of Petroleum and Natural Gas, is a premier up-stream Oil Company engaged in the business of Exploration, Production & Transportation of Crude Oil & Natural Gas as well as production of LPG, having its Headquarter at Duliajan, Assam in India. Its operations are largely based in the North-eastern parts of India particularly in Assam and Arunachal Pradesh, but have also extended its activities in different parts of India and abroad. In connection with its ongoing exploration & production activities in the State of Assam, OIL invites Expression of Interest (EOIs) from reputed and established E&P Service Providers/Vendors/Contractors meeting the pre-qualification criteria as mentioned below for **feasibility study for well Integrity issues, well completion design for injector & producer wells, post capture surface facilities aspects of CO2-EOR as Carbon Capture Utilization & Storage (CCUS) project" in Nahorkatiya Oilfield of OIL in Assam, India.**

2.0 Objective and Scope of work:

- OIL INDIA LIMITED is planning to implement CO2 EOR to improve the oil recovery from Nahorkatiya Oilfield with concomitant sequestration of CO2 into the reservoir. The project is planned to be implemented through one (1) Inverted Five Spot Pattern consisting four (4) producer wells and one (1) injector well. The producer wells are already drilled available wells in the field and OIL has planned to drill a new well as an Injector for the project. The objective / scope of work of this feasibility study includes but not limited to the following:
 - a) Evaluation of existing well completions in producer wells and recommendations for necessary modifications/alteration required to utilize the wells for CO2 EOR Project.
 - b) Evaluation of existing well completion & integrity in Non-pattern wells completed in the same reservoir for examining impact of CO2 injection and ensuring no leakage of CO2 in long-term.

- c) Well Design & Completion for New Injector well
 - ✓ Well Designing & Completion of the new injector well for the project.
 - ✓ Specification and Metallurgy of Casing, tubing, Packers, Bridge plugs and other well completion material required for well completion
 - ✓ Specification and metallurgy of wellhead
 - d) Post capture CO₂ transportation from IOCL Digboi Refinery to Nahorkatiya Field.
 - e) Surface facility design for dehydration, compression and purification of CO₂ for injection into wells.
 - f) Feasibility for utilization of Existing Surface production infrastructure including injection/production grid network with necessary recommendations for development of new surface infrastructure required for injection, production and produced-CO₂ recycling including separation of CO₂ from produced oil, gas & formation water.
 - g) CO₂ injection in the injectors, separation of CO₂ from the produced fluid & its re-injection along with Life cycle analysis with respect to net CO₂ reduction. CO₂ metering arrangements at different points of CO₂ flow i.e. CO₂ injection, recycling in the producer wells & into the production facility & reuse etc.
 - h) Long term Monitoring & Surveillance strategy and precautions for averting CO₂ induced precipitations (primary: corrosion) in wells' downhole completion, wellhead, surface production equipment and on flow lines of horizontal sectors.
 - i) Detailed Techno-economics considering OIL guidelines (Guidelines will be provided by Oil India Limited during the feasibility study). Estimation of CAPEX and OPEX for the CO₂ EOR Project.
 - j) Environmental Impact Assessment to identify the potential negative impacts and extent to which they can be mitigated. Provide information on specific permissions / approvals required regarding management of environmental impact issues. Estimate the time and costs associated with this process
- **Duration:** -- Contract duration will be 1(One) year or more.
 - **Service providers capabilities:** Interested companies to demonstrate their capabilities in providing such services.
 - **To understand** the prospective service providers experience, technical and financial capability.
 - **To have inputs** from the prospective service providers.

The EOI is expected to provide information of prospective service providers and their suggestions thereby assisting in formulation of terms and conditions of any formal tender that may be floated for CO₂ EOR feasibility study.

3.0 PRE-QUALIFICATION CRITERIA: To qualify for participation in EOI for the intended services the participating Service Provider/Contractor/ Vendor must fulfill the following:

3.1 Technical criteria:

The service provider should have the experience of executing **minimum 01(One) feasibility study for CO2 EOR during the last Seven (7) years** preceding the scheduled closing date of this EOI.

3.2 Financial documents:

1. Annual Financial Turnover of the preceding 03 (Three) financial/accounting years reckoned from the scheduled closing date of this EOI.
2. The Net worth of the bidder for the immediate preceding 02 (two) financial/accounting years.

3.3 Service Provider/Contractor/ Vendor can be Indian Company/Indian joint venture Company with Technical Collaboration/Joint Venture partner.

3.4 Service Provider can be Consortium of Companies. The members of the consortium should not be more than three.

3.5 Any party who is extending support by way of entering into technical collaboration/joint venture/as a consortium with another party shall not be allowed to submit an independent EOI and such EOIs shall be rejected straightway. Further, all EOIs from parties with technical support from the same principal shall also be rejected.

3.6 Service Provider/Contractor/ Vendor can be a Subsidiary Company of a Parent Company (in which the parent company has 100% stake) which meets aforesaid minimum criteria. However, the parent/ subsidiary company of the Service Provider/Contractor/ Vendor 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-subsiary company or through any other arrangement like Technical Collaboration agreement.

3.7 DOCUMENTS / INFORMATION:

The Service Provider/Contractor/ Vendor must furnish the following documents as part of their EOI in support of fulfilling all the above pre-qualifying criteria, failing which the EOI shall be rejected.

- (a) **Work Experience of Vendor:** Pursuant to Clause No. 3.1 above, a Statement to be furnished by the Vendor in a tabular form as per

Annexure-I and copies of corresponding contracts/work orders and completion certificates/payment certificates thereof issued by various clients to be enclosed.

(b) The service provider has to submit any one of the following documents along with the EOI for Annual Turnover & Net worth of last Three (3) years preceding the scheduled closing date of this 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 **ANNEXURE-II**

OR

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

Note: 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 bidder regarding converted figures in equivalent INR or US\$..

(c) **Details of current work** in hand and other contractual commitments of Vendor/ Service Provider as per **Annexure-III**.

(d) Company Information:

- Details of Company Incorporation along with Date and Place of Incorporation.
- Number of employees in the Company.
- Countries of operations (number and provide list of countries) including India.
- Details of R&D/Technology centers set up globally and in India.

(e) Participating entity should demonstrate CO2 EOR feasibility study experience and provide documentation of CO2 EOR feasibility study contracts executed / in progress.

(f) Contact Details

Name of concerned person	
Designation	
Telephone number	
Mobile number	

Fax number	
Address	
e-mail	

5.7 **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 Vendor/Contractor/Service Provider.
- (iii) OIL INDIA LIMITED 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 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.
- (iv) **Based on the responses received against this invitation, a virtual meeting shall be held with responding companies to discuss the information / views submitted. Date and time shall be intimated separately.**

6.0 **SUBMISSION OF EOI:**

6.1 Interested Parties/Vendors/Contractors/Service Providers having relevant experience and expertise (details are available at OIL's website-www.oil-india.com) are invited to submit their EOI(s) at our e-mail id: jbikashborah@oilindia.in / nazirahmed@oilindia.in / dandeswardeka@oilindia.in / dilipgoswami@oilindia.in within **30-09-2021 up to 15:00 Hrs (IST)**, or hard copies of the same in sealed envelopes super-scribing **"Expression of Interest (EOI) NO. EOI/PSS/C/CO2-001/2021-22 dated 15.09.2021 for Feasibility study for well Integrity issues, well completion design for injector & producer wells, post capture surface facilities aspects of CO2-EOR as Carbon Capture Utilization & Storage (CCUS) project in Nahorkatiya Oilfield of OIL INDIA LIMITED in Assam, India."** through courier/post to the following address:

CHIEF GENERAL MANAGER (PSS)

**OIL INDIA LIMITED
PSS DEPARTMENT
P.O. DULIAJAN-786602
DIST.DIBRUGARH, ASSAM, INDIA**

Service Provider/Contractor/ Vendor 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 the above specified period.

- 6.2 In case, the above mentioned date happens to be a non-working day for OIL in Duliajan due to Bandh/holiday or for any other reasons, EOIs shall be received upto the next full working day till 15:00 Hrs. (IST) and opened accordingly. EOI may be sent by post/courier service or delivered personally at the tender box placed in the office of CGM Contracts, Oil India Limited, Duliajan-786602, Assam. However, OIL shall not be responsible for any consequence arising out of delay in receipt or non-receipt of EOIs.
- 6.3 Oil India Limited reserves the right to (a) either accept or reject any/all EOIs (b) cancel the process, without assigning any reasons whatsoever.

Experience Statement of Vendor/Service Provider

Experience of providing services as mentioned in 3.1 to E&P companies during the last Seven (7) years proceeding to the scheduled closing date of this EOI.

Sl. No	Contract No	Name & contact details of client	Place of Operation	Details of Services carried out	Start date of contract	End date of contract
1						
2						
3						
4						
5						

N.B: Please add rows & extra sheets if required.

Signature & Name of personnel :

Seal of Bidder

Name of Vendor :

CERTIFICATE OF ANNUAL TURNOVER & NET WORTH

TO BE ISSUED BY PRACTISING **CHARTERED ACCOUNTANTS' FIRM** ON THEIR LETTER HEAD

TO WHOM IT MAY CONCERN

This is to certify that the following financial positions extracted from the audited financial statements of M/s..... (Name of the Bidder/ Vendors/Contractors/Service Providers) for the last three (3) completed accounting years upto**(as the case may be)** are correct.

YEAR	TURN OVER In INR (Rs.) Crores / US \$ Million)	NET WORTH In INR (Rs.) Crores / US \$ Million)

*Rate of Conversion (if used any): USD 1.00 = INR.....

Place:

Date:

Seal:

Membership No. :

Registration Code:

Signature

ANNEXURE-III

**Details of current work in hand and other contractual commitments of Vendor/
Service Provider:**

Sl. No	Contract No	Name & contact details of client	Place of Operation	Details of Services	Period of contract (from-to)	Start date of contract
1						
2						
3						

N.B: Please add rows & extra sheets if required.

Signature & Name of personnel :

Seal of Bidder

Name of Vendor :

&&& END of EOI &&&