

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/CWI-001/2021-22 dated 22.11.2021

Subject: Expression of Interest (EOI) for “Hiring of Service for Carbonated Water Injection (CWI) for a Pilot EOR Project in Dikom Field of Oil India Limited.”

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.

Oil India Limited adopts various IOR/EOR techniques to increase production from its ageing fields. In line with its ongoing efforts of Revitalization of the mature and ageing, fields to augment production and improve recovery OIL is planning to adopt an EOR technique through use of Carbonated Water Injection (CWI) in one of its fields located in upper Assam area. As a part of requirement for the project, **OIL invites Expression of Interest (EOI) from Indigenous reputed and established E&P Service providers/Vendors/Contractors who have the expertise in cryogenic operation, supply, storage and utilization/injection of industrial gas.**

2.0 OBJECTIVE:

Carbonated (CO₂-enriched) water injection has been studied as a promising and cost-effective alternative EOR method. In Carbonated Water Injection (CWI), Carbon-dioxide (CO₂) is used efficiently and only a small amount (8-10% CO₂ in water) is required compared to full-fledged CO₂ flooding. Therefore, smaller sources of CO₂ that are usually available around oil and gas fields can be used for providing the required amount of CO₂. OIL intends to implement this technology as a Pilot in one of the major reservoirs of Dikom Field. As a part of requirement project, OIL plans to utilize the services of Service Providers/Agencies/Firms who have the expertise in cryogenic operation, supply, storage and utilization/injection of industrial gas.

Accordingly this EOI is floated for seeking expression of interest (EOI) from suitably experienced Service Providers/Agencies/Firms (either single or in consortium) for handling, supply, storage and injection of CO₂.

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 “*Providing services for supply, storage and injection of CO₂ at Dikom Field Of Oil India Limited*”.

3.0 LOCATION OF THE AREA:

Dikom field, where the CWI pilot will be implemented is located at a distance of around 15 Km from Dibrugarh town in Assam. Water Injection Station (WIS) for Carbonated Water has been completed having total of capacity 1500 KLPD and Water Injection is being done at surface pressure of at around 110-130 KSC.

4.0 PLANNED SCOPE OF WORK:

Scope of work under this EOI broadly encompasses the following jobs:

- a) Supply of pure CO₂ for a Capacity of the range between 30MTPD to 70MTPD at Dikom water injection *Oil India Limited*.
- b) Construction of Facilities for handling / storage of pure CO₂ for execution of uninterrupted injection of pure CO₂ into water injection stream at Dikom water injection *Oil India Limited*.
- c) Injection of metered quantity of CO₂ into the water injection stream going to the wells so that CO₂ mixes with the water pumped to the wells at around 110 -130 KSC pressure (CO₂ concentration about 6% - 10%).
- d) Supplying of required services including equipment's such as pumps, Piping's, Valves, Gauges, Meters, all required Instrumentation and control facilities etc will be under the scope of the vendor.

The Water Injection Lines to the wells will be under OIL's scope. Necessary Land, Air, Water, Electricity will be provided by OIL for the CO₂ Storage and Injection. Interested party will have to furnish approximate requirement of quantity of land, power, air, water, and any other utilities required at Injection sites for the project.

5.0 PERIOD OF CONTRACT

The period of Contract will be for a period of 04 (Four) years and shall be extendable for another 01 (one) years on mutual agreed rates limiting to the contract rates and the same terms and conditions at the discretion of OIL.

6.0 SAFETY COMPLIANCE:

The Service Provider/Contractor/Vendor must have established health, safety, security and environment management system and shall have to

comply with the applicable guidelines, Labour laws rules 2017, MoE&F (Ministry of Environment and Forest) directives of India and any other statutory regulations. The Service Provider/ Vendor/ Contractor shall prepare the required site & well specific SOP(s) for safe operations for operational convenience as required for the project.

7.0 PRE-QUALIFICATION CRITERIA:

Considering that the Project is one of its kind to be tried first in India in field level, it is anticipated that the prospective interested party is technically as well as financially competent on its own or can participate through a consortium of companies or Joint Venture. Consortium or Joint Venture EOI(s) shall be submitted clearly defining the role/scope of work of each partner of Joint Venture/members of the consortium. Joint Venture agreement or Memorandum of Understanding (MOU) between the consortium members duly signed by the authorized Executives of the Joint Venture partner or consortium members will be required during bidding stage. Detail modalities of participation in case of consortium of companies or Joint Venture will be a part of the Tender

The interested party must fulfil the following minimum qualifying criteria:

- Should be properly registered company.
- Should have minimum 03 (Three) years' experience in storage, transportation, utilization and pumping of industrial gas in cryogenic state to be reckoned from the date of publication of the EOI.
- Should have the infrastructure and financial capability to complete development, supply, construction and installation of all facilities in order to be ready for CO₂ injection within 09 (Nine) months of issue of Letter of Award by the Company

Interested parties are requested, as a minimum, to submit the following documents and details:

a) HSE Systems:

- i. HSE Statistics in terms of LTI/LTIFR/Near Miss Incidents for all projects executed in last 03 (Three) years to be reckoned from the date of publication of the EOI.
- ii. Existing HSE Management System of the company.

b) Company information as under:

- i. Name of the Contractor/Service Provider.
- ii. Address, Phone, E-mail of the Contractor/Service Provider.
- iii. If a Joint Venture/Consortium is proposed, Name, Address, Phone, E-mail of all Joint Venture partners/consortium members.
- iv. Organization Structure of the Contractor/Service Provider.

- c) **Company's Financial Performance Documents (including JV Partner's/Consortium Partner's financials, if proposed)** i.e. Audited Balance Sheets, Profit and Loss Account & Cash Flow Statements for the preceding 03 (Three) financial/accounting years to be reckoned from the date of publication of the EOI & following details separately:
- i. Company Turnover based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI
 - ii. Company's Net Worth based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI.
 - iii. Working Capital based on last 03 (Three) audited Financial statements to be reckoned from the date of publication of the EOI.
- d) **Experience:**
- i. List of projects involving storage, transportation, utilization and pumping of industrial gas in cryogenic state successfully executed in the last three years currently under execution in India or abroad with completion certificates as applicable.
 - ii. Detail of current commitments including percentage completion of the ongoing works.
- e) **Manpower & Infrastructure Details:**
- i. Details of Key Members who shall be involved in the Project execution including their experience levels.
 - ii. Detail of logistical infrastructure owned by the Company relevant to execution of the job.
- f) **Quality/Other Systems:**
- i. Copy of current ISO Certificate or other certifications. If applicable.
 - ii. Certification of the Companies QA system by an accredited certification body, if applicable.
 - iii. QMS of the Company, if applicable. Copy of registration certificate (Labour Law, EPF etc. as applicable).

8.0 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 Technology Provider/Service Provider/ Contractor/ Vendor/ Company.
- (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 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.
- (iv) Based on the responses received against this invitation, a virtual meeting/ offline discussion (as per convenience of OIL) may be held with the responding Technology Provider/ Service Provider/ Contractor/ Vendor/ Company to discuss on the information/ views submitted. Date and time shall be intimated separately.

9.0 SUBMISSION OF EOI:

- 9.1** 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 ids: hasinur_rahman@oilindia.in / santanu_bhuyan@oilindia.in / bidyut_saikia@oilindia.in / rajibsarmah@oilindia.in / sanjeevs_gogoi@oilindia.in within **06-12-2021 up to 15:00 Hrs (IST)** or hard copies of the EOI in sealed envelopes super-scribing” **Expression of Interest (EOI) for “Hiring of Service for Carbonated Water Injection (CWI) for a Pilot EOR Project in Dikom Field of Oil India Limited”** through courier/ post to the following address:

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

- 11.2 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 reason(s), EOI(s) shall be received up to the next full working day till 15:00 Hrs. (IST) and opened accordingly. EOI may be sent by e-mail /post/ courier service or delivered personally at the office of GM-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 EOI.
- 11.3 Oil India Limited reserves the right to
- (a) either accept or reject any EOI,
 - (b) cancel the process, without assigning any reason(s) whatsoever.

Experience of providing services as mentioned in 7.0 during the last 3(Three) 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:

ANNEXURE – B

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 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-C

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:
