

**OIL INDIA LIMITED**  
**Centre of Excellence for Energy Studies**  
**(A Govt. of India Enterprise)**  
**Guwahati-781022**

**DOMESTIC EXPRESSION OF INTEREST**

**EOI REF. NO. OIL/COEES/EOI/01/4583**

**DATE: 06.12.2021**

**LAST DATE OF SUBMISSION: 17:00 HRS (IST) OF 10.01.2022**

**Subject: Notice Inviting “Expression of Interest” (EOI) for hiring of service provider/ consultant for “Feasibility study of CO<sub>2</sub> storage in OIL’s Operational Areas in Assam and Arunachal Pradesh”.**

**1.0 INTRODUCTION:**

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 Field 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 (referred to as Company in the EOI) hereby invites Domestic Expression of Interest from experienced and reputed prospective **established Service providers/Vendors/Contractors/Consultants of India (Local Vendor as per DPIIT’s Make in India Policy) having expertise in carrying out feasibility study of Carbon Capture and Storage activities** meeting pre-qualifying criteria (PQC) mentioned in para 3.0 below of this EOI.

**2.0 BROAD SCOPE OF WORK:**

**2.1 PREAMBLE:**

Carbon capture and storage (CCS) is gathering momentum in response to the rising climate ambitions. GOI has taken initiative to frame a consolidated policy for Carbon Capture, Usage and Storage (CCUS) and CCS for India in line with the accelerated CCS activities all throughout the globe.

**2.2 OBJECTIVE:**

2.2.1 The increase of greenhouse gas has shown a great impact on the global climate change and is one of the burning concerns for the environment. Main

component of these greenhouse gases, i.e. carbon dioxide (CO<sub>2</sub>) has shown a tremendous growth with the overall development of nations. In addition to the natural CO<sub>2</sub> absorbers, reduction of atmospheric CO<sub>2</sub> may be achieved through capture of CO<sub>2</sub> from large point sources, and then injection into deep geological formations (including depleted oil and gas reservoirs) which trap the CO<sub>2</sub> for permanent storage.

2.2.2. In accordance to the efforts of GOI, OIL intends to evaluate its abandoned/depleted reservoirs for permanent storage of CO<sub>2</sub>. As a part of requirement for the study, OIL invites this Expression of Interest (EOI) from established Service providers / Vendors / Contractors/ Firms/Consultants who have the expertise in evaluation of the feasibility of abandoned/depleted reservoirs for Carbon Storage.

2.2.3 OIL expects from the bidders to provide necessary information and their suggestions thereby assisting OIL in formulation of terms and conditions of any formal tender that may be floated for **“Feasibility study of CO<sub>2</sub> storage in OIL’s Operational Areas in Assam and Arunachal Pradesh”**.

#### 2.2.4 LOCATION OF THE AREA:

OIL’s operational Areas, where the CCS study is planned to be carried out is located in Upper Assam Basin near to OIL township of Duliajan, Assam.

#### 2.2.5 SCOPE OF WORK:

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

- a) To provide assessment/screening of the abandoned/depleted reservoirs of OIL for the CO<sub>2</sub> storage considering the regional geology aspects comprising of:
  - i. Assessment of the presence of laterally extensive seal above the injection zone to prevent the flow communications with economic and /or environment receptors.
  - ii. Review of the geologic fault system prevalent in the area for assessment of sufficiently stable geological environment to give confidence that containment will not be jeopardized by the natural tectonic activity and absence of existing flow paths along geological faults that penetrates the storage complex.
  - iii. Volumes of CO<sub>2</sub> that can be accommodated in the reservoirs safely along with well injectivity.
  - iv. Any other issue that may be deemed essential.
- b) Evaluate the regional proximity analysis including the identification of protected and sensitive areas, population centers, existing resource development in the area of identified carbon storage project

- c) To prepare or evaluate existing environmental and social safeguard plans for adequacy of the CO<sub>2</sub> storage Sites
- d) To review the status of all the well of the reservoir for its integrity, condition of casing and possibility of the leakage in the reservoirs shortlisted for the Carbon storage.
- e) 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

#### 2.2.6 PERIOD OF CONTRACT

Contract Duration may be initially for one year which may be extended for another one year on mutual agreement. However, exact duration will be conveyed during tendering.

### 3.0 **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.

The interested party must fulfill the following minimum qualification criteria:

#### **(i)** PREVIOUS EXPERIENCE:

**(a)** Should have experience of at least one similar work of about Rs. 2.50 Crore in previous 7 years to be reckoned from the original bid closing date of this EOI. Similar works specifically means CO<sub>2</sub> Storage project evaluation worldwide.

**(b)** For Past experience, documents like previous PO/Contract, Completion certificate etc to be submitted in support of the above experience. Further, list of projects where feasibility study of CO<sub>2</sub> Storage has been carried out in the last three years, with completion certificates shall also be considered for above experience.

**(c)** Details of current commitments including percentage completion of the ongoing works may also be submitted.

#### **(ii)** FINANCIAL CRITERIA:

- a) The bidder must have annual financial turnover of at least of **Rs.2.50 Crores (Rupees Two Crore and Fifty lakhs only)** in any of preceding three (3) financial years reckoned from the original EOI submission date.

- b) "Net Worth" of the bidder should be positive for the preceding financial/ accounting year.

**Notes to Clause 3(ii) (a) & (b) above:**

- a) For proof of Annual Turnover & Net worth any one of the following document must be submitted along with the bid:-
- 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 **Proforma-1**  
OR
  - ii) Audited Balance Sheet along with Profit & Loss account.
- b) Considering the time required for preparation of Financial Statements, if the last date of preceding financial / accounting year falls within the preceding six months reckoned from the original EOI submission date and the Financial Statements of the preceding financial / accounting year are not available with the bidder, then the financial turnover of the previous three financial / accounting years excluding the preceding financial / accounting year will be considered. In such cases, the Net worth of the previous financial / accounting year excluding the preceding financial / accounting year will be considered. However, the bidder must submit an affidavit/undertaking in support of the same as per **Proforma-II**.
- c) In case the bidder is a Central Govt. Organization/PSU/State Govt. Organization/Semi-State Govt. Organization or any other Central/State Govt. Undertaking, where the auditor is appointed only after the approval of Comptroller and Auditor General of India and the Central Government, their certificates may be accepted even though FRN is not available. However, bidder to provide documentary evidence for the same.

**4.0 EOI SUBMISSION:**

While submitting the Offer/Interest by the prospective interested parties, they have to submit the following information/documents apart from the documents as required as per PQC and as per Scope of Work of the EOI:

***A) Company information as under:***

- a) Name of the Contractor/Service Provider.
- b) Address, Phone, E-mail of the Contractor/Service Provider.
- c) If a Joint Venture/Consortium is proposed, Name, Address, Phone, E-mail of all Joint Venture partners/consortium members. In case of JVC /Consortium bidding, an MOU in a prescribed format to be

submitted which will be sent during tendering if JVC or Consortium bidding is allowed.

- d) Organization Structure of the Contractor/Service Provider.
- e) Information on completed/ongoing relevant projects as per Annexure A

**B) Manpower and Infrastructure Details:**

- (a) Details of Key Members who shall be involved in the project, including their experience levels.
- (b) Details of infrastructure available for CO<sub>2</sub> Storage evaluation studies.

**5.0 GENERAL NOTES:**

- (i) All documents submitted along with the EOI should be clear & legible.
- (ii) The documents should be submitted in English language.
- (iii) 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.
- (iv) 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.
- (v) 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.
- (vi) OIL reserves the right to terminate the EOI process at any point of time without assigning reason.
- (vii) 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.
- (viii) 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.
- (ix) All expenditure incurred in preparation / submission or presentation of this EOI shall be borne by the participating firm.

**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-](http://www.oil-)

[oilindia.com](http://oilindia.com)) are invited to submit their EOI(s) at our e-mail ids: [coe@oilindia.in](mailto:coe@oilindia.in), [kckalita@oilindia.in](mailto:kckalita@oilindia.in), [ranjitd@oilindia.in](mailto:ranjitd@oilindia.in), [j\\_topno@oilindia.in](mailto:j_topno@oilindia.in), [akhtar\\_ahmed@oilindia.in](mailto:akhtar_ahmed@oilindia.in) within **10/01/2022 upto 17:00 Hrs (IST)** or hard copies of the EOI in sealed envelopes super-scribing **Expression of Interest (EOI) for “Feasibility study of CO<sub>2</sub> storage in OIL’s Operational Areas in Assam and Arunachal Pradesh”** through courier/ post to the following address:

CGM-CoEES  
OIL INDIA LIMITED  
Centre of Excellence for Energy Studies  
INTEGRA, Rukminigaon, G. S. Road  
Guwahati -781022, ASSAM, INDIA

- 6.2 In case the above-mentioned date happens to be a non-working day for OIL in Guwahati 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 address mentioned above in Para 6.1. However, OIL shall not be responsible for any consequence arising out of delay in receipt or non-receipt of EOI.

CGM-CoEES  
OIL INDIA LIMITED  
Centre of Excellence for Energy Studies  
INTEGRA, Rukminigaon, G. S. Road  
Guwahati -781022, ASSAM, INDIA

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**ANNEXURE-A**

Experience of providing services as mentioned in the PQC during the last 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	Start date of contract	End 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:

**ANNEXURE-B**

Details of current relevant 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	Start date of contract	End 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:



**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 ..... (Name of the Bidder) for the last three (3) completed accounting years upto .....**(as the case may be)** are correct.

<b>YEAR</b>	<b>TURN OVER</b> In INR (Rs.)	<b>NET WORTH</b> In INR (Rs.)

Place:

Date:

Seal:

Membership Number and Firm Registration Number:

Signature:

Unique Document Identification Number (UDIN):

**PROFORMA-II**

**PROFORMA FOR UNDERTAKING / AFFIDAVIT IN TERMS OF NOTE-(b) UNDER  
CLAUSE 3(ii) (a) & (b) OF PRE-QUALIFYING CRITERIA.**

I \_\_\_\_\_ the authorized signatory(s) of  
\_\_\_\_\_ (Company or Firm name with address) do  
hereby solemnly affirm and declare/ undertake as under:

The balance sheet/Financial Statements for the financial year \_\_\_\_\_ have  
actually not been audited as on the Original EOI Submission Date.

Yours faithfully,

For (*type name of the firm here*)

Signature of Authorized Signatory

Name:

Designation:

Phone No.

Place:

Date:

(Affix Seal of the Organization here, if applicable)

**Note:** Bidders to take note that this certificate is to be issued only considering the time required for preparation of Financial Statements i.e. if the last date of preceding financial/accounting year falls within the preceding six months reckoned from the Original Bid Closing Date.

--- END OF EOI ---