

EXPRESSION OF INTEREST (EOI)
for
Industry-proven technologies suitable for commercial-scale production of heavy crude oil
from the well Kobochapori-1.

EOI No.: EOI/FB/001/2025

1. Expression of Interest:

Oil India limited (OIL) a “Maharatna” Category, Government of India Enterprise is a fully integrated National Oil Company operating under the Ministry of Petroleum and Natural Gas. With an impeccable credential spanning over six decades, OIL is actively involved in exploration, production and transportation of crude oil and natural gas as well as refining, petrochemicals and renewable energy generation.

Oil India limited (OIL) has recently discovered heavy oil at the LK+TH level in the well Kobochapori-1 (Loc. OKBA) located in the North Bank of the Brahmaputra in Assam, under the OALP-I Block AA ONHP-2017/10.

Oil India Limited (OIL) invites Expression of Interest (EOI) from reputed and experienced leading service providers to propose industry-proven technologies suitable for commercial-scale production of heavy crude oil encountered in the Kobochapori well no.1. located in Jonai area of Dhemaji District.

2. Preamble & Background:

The well Kobochapori-1 is drilled to a depth of 4334 m to probe the hydrocarbon prospectivity within Paleocene-Lower Eocene formation. On testing, 4238-m Lk+Th Sand (Lower Eocene formation) in the range 4238.0 - 4241.0 m, the well-produced heavy oil marking the first oil find in North Bank of river Brahmaputra. The production rate could not be ascertained due to heavy wax deposition in the tubing. The sample analysis showed oil with API: 12.1°-14.8° & Pour Point: 33°C-39°C with viscosity of > 10,000 cP @55°C. The well was temporarily abandoned with a provision for future re-entry with deployment of a fit to purpose technology.

Considering the unconventional nature of the crude, standard production techniques have not been successful in ensuring sustained flow of oil to the surface. To address this, passive, non-chemical technology was introduced to stabilize crude oil at a molecular level, preventing common flow assurance problems at the source. Further, Chemical & Solvent-Based Approaches towards flow assurance of this heavy oil was also deployed, but no significant breakthrough has been achieved as the well could only be unloaded with a minor influx of waxy crude, indicating that further technological intervention is required.

Oil India Limited (OIL), a National Oil Company in India invites leading service providers to propose industry-proven technologies suitable for the commercial-scale production of heavy crude encountered in Kobocho-1.

3. **Location:**

The block encompasses a total area of 524 sq. km in Assam, covering the Dhemaji, Tinsukia, and Dibrugarh districts, and 1 sq. km in Arunachal Pradesh (East Siang district). A significant portion of the block lies within the Brahmaputra River.



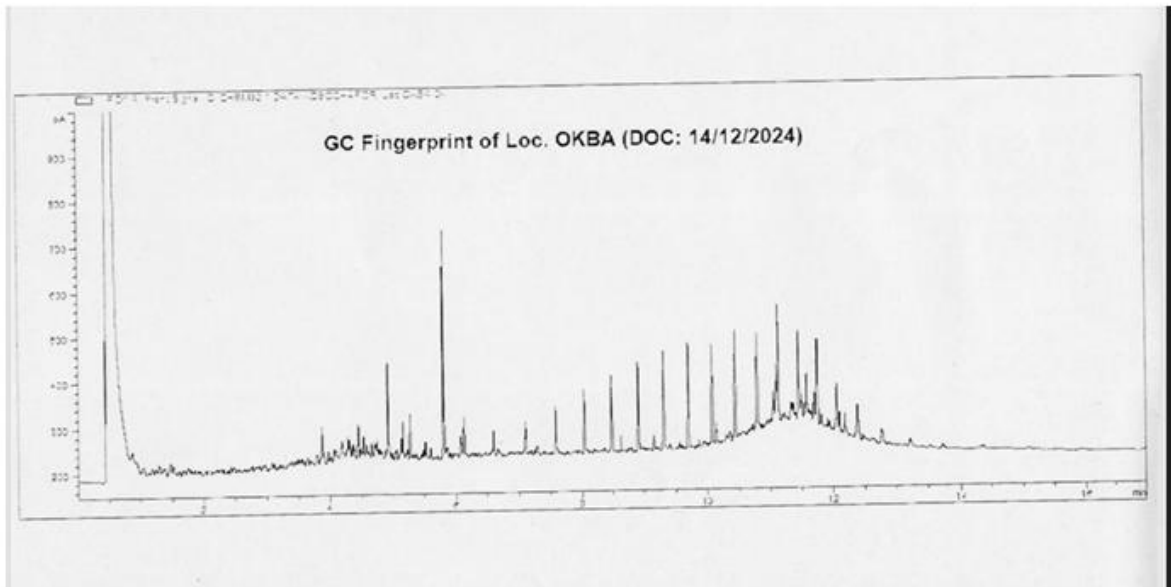
4. **Scope:**

Due to the unique geological characteristics of the Lower Eocene Play, OIL is inviting service provider with demonstrable experience in providing technology solutions for commercial production of heavy oil from reservoirs at a depth of 3000m or more and having crude oil viscosity <10,000 cp.

During production testing in the interval 4238.0-4241.0 meters, the well, Kobocho-1 produced heavy oil with an API of 12.1°-14.8°, a Pour Point of 33°-39°C, and a viscosity greater than 10,000 cP at 55°C.

Analysis of Crude oil sample of LOC: OKBA is tabulated below:

Sl. No.	Parameters	Loc. OKBA DOC: 15.12.2024 (10.20 AM) Source: production Tank sample	Loc. OKBA DOC: 15.12.2024 (9:00 PM) Source: production Tank sample
1	Water content, %v/v	28.7	22.5
2	Oil content, %v/v	71.3	77.5
3	Density at 15 °C, g/cm ³	0.9666	0.9848
4	API gravity at 15°C	14.8	12.1
5	Pour Point, °C	33.0	39.0
6	Dy. Viscosity @ 55 °C, mPAs	11459.0	4441.0
7	Dy. Viscosity @ 50 °C, mPAs	18790.	7138.0
8	Dy. Viscosity @ 45 °C, mPAs	32476.0	11761.0
9	Wax Content, % w/w	8.46	6.81
10	Asphaltene Content, % w/w	7.64	5.02
11	Resin content, % w/w	9.04	10.64
12	Elemental Analysis (ppm)		
	P	Not detectable	Not detectable
	S	9208.10	8367.40
	Cl	657.60	415.20
	K	14.12	17.54
	Ca	321.00	168.50
	V	15.44	25.03
	Cr	2.39	2.98
	Mn	7.63	10.81
	Fe	610.30	597.60
	Co	7.74	0.32
	Ni	1.69	1.85
	Cu	10.75	14.23
	Zn	80.40	104.10



Saturates, %	Aromatics, %	Resin, %	Asphaltene, %
21.2	60.2	7.5	11.0

5. Service Provider’s Pre-Qualification Criteria

The interested party must fulfil the following minimum qualifying criteria:

The bidder should be a service provider with demonstrable experience in providing consultancy and/or technology solutions for commercial production of heavy oil from reservoirs at a depth of 3000m or more and having crude oil viscosity <10,000 cp.

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

(i) **Company information as under:**

- a. Name of the Contractor/Service Provider.
- b. Address, Phone, E-mail of the Contractor/Service Provider
- c. Organization Structure of the Contractor/Service Provider.
- d. Copy of their Certificate of Incorporation/registration
- e. If a Joint Venture/Consortium is proposed, Name, Address, Phone, E-mail of all Joint Venture partners/consortium members.
- f. Bidder’s general structure and organization, including the branch / sub-division dedicated to such activities.

(ii) **Experience:**

- a. Documentary evidence in respect of relevant experience as specified above should be submitted in the form of copies of
- Contract Agreement(s)/ LOA(s) / Work Order(s) etc. along with
 - Satisfactory completion/performance report by the client;
(OR) Proof of settlement/ Final Certificate of payment (COP/ SES) against the contract
(OR) Any other documentary evidence issued by the client that can substantiate the satisfactory execution of the work under the contract.
- b. Details of current commitments including percentage completion of the ongoing works.

Notes:

- (i) Job Completion Certificate (if available) should be issued on client's official letterhead with signature and stamp.
- (ii) A job executed by a party for its own organization/subsidiary cannot be considered as experience for the purpose of meeting the Experience Criteria specified above.
- (iii) If a service provider is executing similar contract which is still running and satisfies the experience criteria, such experience will also be taken into consideration, provided that they have submitted satisfactory service execution certificate issued by the client.
- (iv) The net worth of the bidder should be a non-zero positive number as on 31st March 2025 or 31st December 2024

7. General Terms & Conditions

- (i) All documents submitted with the EOI must be self-certified by the Contractor/Service Provider's authorized person.
- (ii) All documents submitted along with the EOI should be clear & legible and in English.
- (iii) Service Provider should clearly mention (point wise) whether they satisfy the above criteria & support it with necessary documentary evidence.
- (iv) Any additional services deemed necessary for the project, should be proposed by the interested Service provider / Contractor and included in the proposal. OIL INDIA LIMITED (OIL) 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) OIL INDIA LIMITED (OIL) reserves the right to physically check the original documents/certificates, copies of which are submitted along with the EOI.
- (vi) OIL INDIA LIMITED (OIL) reserves the right to terminate the EOI process at any point of time without assigning reason.

- (vii) OIL is neither committed nor obliged to include any contractor on the tender list or award any form of contract to any bidder and/or associated companies.
- (viii) The EOI is liable to be ignored in case of submission of any misleading/false representation by the Contractor/Service Provider in the form of statements and attachments.
- (ix) This Invitation to 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.
- (x) 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.
- (xi) The EOI is liable to be ignored in case of submission of any misleading / false representation by the Service Provider/ Contractor/ Vendor/ Company.
- (xii) This EOI is not an invitation for bids. The EOI is issued for technical proposals only.

8. Submission of EOI:

a. Interested parties meeting the stated experience as above are invited to submit their EOI at e-mail id: pallav_borgohain@oilindia.in within 31.12.2025.

The offer(s) may also be uploaded in Parties' FTP server/ File sharing website (portal) and the link(s) may be provided to us at our e-mail within above specified period.

b. The interested parties shall submit the EOI along with the following details as required under Para 6.0 above (along with all relevant supporting documents):

A. Name of the Party:

B. Details of the Firm:

C. Specific experience relevant to required capabilities:

Sl. No	Client Name with Address	Project details	BIDDER / CONSORTIUM member involved in the project	BIDDER's or CONSORTIUM member's role & responsibilities	Technical capabilities deployed (as per scope)	Date of Start	Date of Completion	Contract Value

- c. The offer(s) should have clear indication whether the same meet the Pre-qualifying criteria.
- d. OIL reserves the right to (a) accept or reject any / all offers submitted by parties (b) cancel the process at any time without any liability and assigning any reason thereof.
- e. Net worth of the service provider.
- f. Qualified parties will be called for a presentation at Corporate Office, Noida. The date for resentation will be intimated nearer the time.

9. **For clarifications, if any, the interested party may contact the following email addresses:**

pallav_borghain@oilindia.in, tonmoydutta@oilindia.in

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