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Notice Inviting Expression of Interest

for

**Hiring of service for 7-Inch Casing Patch Installation in Well Vijaya
Puram-3, Andaman East Block AN-OSHP-2018/01**

Reference No. EOI/OIL/KGB/DRLG/0823/2026

Dated 24.09.2026

1.0 Preamble:

OIL INDIA LIMITED (OIL), a “Maharatna” Category Central Public Sector Enterprise of Government of India under Ministry of Petroleum & Natural Gas, is engaged in the exploration, production and transportation of crude oil & natural gas with its Headquarter at Duliajan, Assam. OIL’s Project office at Kakinada is presently entrusted with coordinating activities related to the exploration and production of oil and natural gas from the Krishna Godavari onshore and offshore, Mahanadi onshore and offshore, Andaman offshore and Kerala-Konkan offshore basins in India. The Project Office of OIL at Kakinada is well connected by road, rail and air (nearest airport being Rajahmundry, 65 km away).

Oil India Limited (OIL) invites Expression of Interest (EOI) from reputed and technically competent oilfield service companies having proven experience in the design, supply, deployment and installation of 7-inch casing patch systems in oil and gas wells.

The purpose of this EOI is to explore the market and identify technically capable vendors/service providers who possess suitable, field-proven 7-inch casing patch technology for establishing reliable hydraulic isolation in Well Vijaya Puram-3, Andaman East Block.

The proposed casing patch is intended to facilitate subsequent evaluation/testing of the prospective Eocene reservoir interval by providing effective isolation across the existing 7-inch casing.

This EOI is issued only for market exploration and technical capability assessment and shall not constitute any commitment by OIL for procurement or award of work.

2.0 BACKGROUND:

Well Vijaya Puram-3 (Location OAEB) was drilled as an exploratory well in the Andaman East Block. During the course of drilling and subsequent well operations, certain downhole operational constraints were encountered, resulting in the present well configuration.

The well was tested in a prospective Eocene sand interval which demonstrated gas and water production during production testing. The gas was confirmed to be predominantly methane-rich dry gas, with characteristics indicating a predominantly biogenic origin.

Further evaluation of the reservoir was subsequently planned. However, repeated attempts to isolate the previously tested/perforated interval through conventional cement-based remedial operations were unsuccessful. Persistent hydraulic communication between the wellbore and formation prevented further testing of the intended lower portion of the prospective interval.

In view of the above, installation of a 7-inch casing patch is being considered to establish effective hydraulic isolation and facilitate further evaluation of the prospective reservoir interval.

3.0 WELL HISTORY:

The well Vijaya Puram-3 (Location OAEB) was spudded in on 06.11.2025 and was drilled as vertical well to a total depth of 4175 m in Andaman East block AN-OSHP-2018/1 (OLAP-II). The 8.1/2" hole was drilled down to 3700 m. However, due to downhole complications, 7" liner was lanced & cemented at 3587 m. The lower hole section was subsequently drilled. After completion of drilling 6" hole section to the depth of 4175 m, open hole wireline logs were recorded. Based on petrophysical interpretation, it was decided to case the hole with 4.1/2" liner. However, while R/in liner, the liner disengaged from liner hanger tools prior to cementing. Therefore, the 6" hole section had to be cement plugged. Considering the operational constraints, it was decided to test the shallower prospective reservoir intervals.

Based on the integrated interpretation of the acquired wireline logs, three prospective reservoir intervals were identified for testing. The two shallower Palaeocene intervals, the 3238-m Palaeocene sand and the 3092-m Palaeocene sand were tested but did not demonstrate productive inflow. Subsequently, the zones were plugged back.

The 1905-m Eocene sand interval subsequently tested using a DST-TCP string, perforating in the range of 1909-1936 m & 1940-1956 m. The test demonstrated sustained gas and water production during the initial flow period. The gas was found to be predominantly methane-rich and dry in nature, with isotopic characteristics indicating a predominantly biogenic origin. However, the subsequent flow behaviour exhibited declining and unstable deliverability.

The testing results nevertheless established the presence of an active gas accumulation in the Eocene reservoir. Further evaluation is considered necessary to assess reservoir continuity, extent, gas-column development, and overall commercial potential.

3.1 Requirement for Further Evaluation

Considering the significance of the Eocene gas-bearing interval, it was proposed to evaluate an additional portion of the same reservoir below the previously tested interval in the range of 1909-1936 m & 1940-1956 m. However, multiple remedial attempts involving cement plugs, squeeze operations and LCM-based isolation treatments could not establish effective hydraulic isolation of the previously perforated interval.

The persistent pressure communication and fluid influx prevented further DST operations in the intended lower portion of the Eocene interval. Accordingly, conventional well-testing methods are presently constrained by the inability to achieve reliable zonal isolation.

3.2 Need for Casing Patch / Advanced Well Intervention

In view of the above operational limitation, an advanced well-intervention solution capable of providing reliable isolation across the existing 7-inch casing is required to facilitate further evaluation of the prospective Eocene reservoir interval. A suitable casing patch or equivalent remedial technology, if technically feasible, could provide a means of isolating the previously tested/perforated interval and enable subsequent evaluation of the lower portion of the Eocene reservoir. Since such specialised casing-repair/intervention services may involve proprietary technologies, specialised equipment and experienced service personnel, the availability and capability of suitable service providers in the market need to be established before progressing further.

4.0 OBJECTIVE OF THE EOI

The objective of this EOI is to identify potential vendors having a proven and field-qualified 7-inch casing patch system capable of being deployed and installed in the subject well.

The casing patch shall be capable of:

1. Providing effective hydraulic isolation across the required interval.
2. Establishing a reliable seal with the existing 7-inch casing.
3. Withstanding the anticipated differential pressure and downhole temperature.
4. Maintaining mechanical and pressure integrity during subsequent well operations.
5. Permitting subsequent evaluation/testing of the target reservoir interval.
6. Being installed using a technically feasible and operationally reliable deployment system.

7. Providing verifiable pressure integrity after installation.

5.0 WELL AND CASING DATA :

5.1 Well Information

Particular	Details
Well	Vijaya Puram-3
Location	OAEB
Block	AN-OSHP-2018/1
Well Type	Vertical/Exploratory
Current Well Status	Plugged and temporary abandoned.
Total Depth	BP set at 2964 m in 7 inch casing
Reservoir of Interest	Eocene
Target Interval	Below 1956 m
Current Wellbore Fluid	13 ppg mud
Wellhead Rating	10000 psi
Downhole Pressure	Pore Pressure at 1906 m sand : 4200 psi
Downhole Temperature	72.2° C at 3682.0 MD-RT (Corresponds to a gradient of 1.27°C/100m)
Well Schematics	## Please refer the last page of this document, Annexure-1

5.2 Existing Casing Information:

Particulars	Specifications/Dimensions & Drawings
Casing size.	7 inch liner
Casing weight.	29 ppf
Casing grade.	N-80
Casing connection.	BTC
Casing drift	6.059"
Setting depth.	Shoe at 3587m
Bridge Plug	Set at 2964 m
Cement plugs details and Cement top.	There are 04 nos. of cement plugs in the 7 inch liner. Top of topmost (4th) cement plug is at 516 m. CP#1 : 1976-1763 m CP#2 : 1762-1526 m CP#3 : 1200-1055 m CP#4 : 700-516 m
Perforation intervals.	1909-1936 m & 1940-1956 m
Details of Casings in hole	Provided in the diagram below.

Casing Size (inch)	Casing Type	Drilled Depth	Actual Shoe at (M)	FC at (M) / Casing top
30"	X-56 SL60	463	457	
20"	X-56 H-60MT	982	977	
13.3/8"	N-80 BTC	1535	1530	1507
9.5/8"	P-110 BTC	2315	2303.4	2279.2
7"	N-80 BTC	3700	3587	3551/2187

Table : Details of Casings in hole.

6.0 SCOPE OF CASING PATCH SERVICES

The potential vendor shall be capable of providing a **complete casing patch solution**, including engineering, equipment, personnel, installation and post-installation verification.

The broad scope shall include the following:

6.1 Engineering and Pre-Job Assessment

The vendor shall:

- Review the complete well and casing information.
- Assess the suitability of the proposed casing patch for the existing 7-inch casing.
- Confirm compatibility with casing size, weight, grade and connection.
- Review available casing condition and well integrity information.
- Design/select the appropriate casing patch system.
- Prepare detailed installation and contingency procedures.
- Establish operating limitations and acceptance criteria.

6.2 Casing Patch System

The vendor shall provide a **complete casing patch assembly**, including all necessary:

- Casing patch components.
- Sealing elements.
- Anchoring/setting mechanism.
- Running tools.
- Setting tools.
- Accessories.
- Specialised surface equipment, where required.

6.3 Deployment and Installation

The vendor shall be responsible for:

- Mobilisation of the casing patch system and associated equipment.
- Deployment to the required setting depth.
- Accurate depth correlation.
- Proper positioning of the patch.
- Setting/expansion/anchoring of the casing patch.
- Establishment of an effective seal with the existing casing.
- Confirmation of successful installation.

The proposed installation procedure shall clearly identify all critical operational parameters and contingencies.

6.4 Pressure Testing and Verification

Following installation, the vendor shall conduct or support appropriate verification to establish:

- Successful setting of the casing patch.
- Mechanical integrity.
- Hydraulic isolation.
- Pressure integrity of the patch.
- Suitability for subsequent well-testing operations.

The vendor shall clearly specify the proposed **pressure-test procedure and acceptance criteria**.

7.0 MANDATORY TECHNICAL REQUIREMENTS

The following shall be considered essential technical requirements for participation.

7.1 Proven 7-Inch Casing Patch Technology

The vendor shall possess a commercially available and field-proven casing patch system specifically applicable to 7-inch casing.

The vendor shall provide documentary evidence of previous successful installations.

7.2 Relevant Field Experience

The vendor shall demonstrate previous experience in casing patch installation in oil and gas wells.

Preference/consideration shall be given to experience involving:

- 7-inch casing.
- Comparable casing dimensions.
- Comparable setting depths.
- Comparable pressure and temperature conditions.
- Offshore wells.
- Reservoir isolation applications.

Details of relevant case histories shall be provided in the EOI response.

7.3 Casing Compatibility

The proposed casing patch shall be demonstrably compatible with the existing 7-inch casing, including its:

- Casing grade.
- Weight.
- Internal diameter.
- Drift diameter.
- Connection.
- Casing condition.
- Cement/casing environment, as applicable.

The vendor shall clearly specify the acceptable casing dimensional range for the proposed patch.

7.4 Pressure Rating

The casing patch shall have adequate pressure capability for the anticipated well conditions.

The vendor shall provide:

- Maximum rated pressure.
- Maximum differential pressure.
- Pressure qualification details.
- Recommended pressure-test limits.
- Seal-performance information.

The vendor shall clearly establish the available design margin over the anticipated differential pressure.

7.5 Temperature Rating

The complete casing patch system, including sealing elements and setting mechanism, shall be qualified for the anticipated downhole temperature.

The vendor shall provide:

- Maximum qualified operating temperature.
- Temperature limitations of elastomers/seals.
- Material specifications.
- Qualification/certification documentation.

7.6 Seal Integrity

The casing patch shall provide a reliable seal against the existing casing.

The vendor shall describe:

- Sealing mechanism.
- Seal material.
- Expected seal performance.
- Differential-pressure capability.
- Compatibility with well fluids.
- Pressure-testing methodology.
- Known limitations.

7.7 Casing logs requirement

The vendor shall specify whether any calliper, casing inspection or other diagnostic log is mandatory before deployment.

7.8 Installation and Setting Reliability

The casing patch shall be capable of reliable installation under the expected downhole conditions.

The vendor shall provide details of:

- Running procedure.
- Setting procedure.
- Required setting force/pressure.

- Depth correlation method.
- Anchoring mechanism.
- Seal activation mechanism.
- Confirmation of successful setting.
- Contingency procedure in case of unsuccessful setting.

7.9 Post-Installation Internal Diameter

The vendor shall clearly state the minimum internal diameter/drift diameter available after installation.

The remaining internal diameter shall be sufficient, to the extent technically feasible, to permit the planned subsequent well evaluation/testing operations.

The vendor shall identify any restrictions imposed by the casing patch on subsequent:

- Logging.
- Perforating.
- Testing.
- Well intervention.
- Tubular deployment.

7.10 Re-entry / Removability

The vendor shall clearly state whether the proposed casing patch is:

- Permanent.
- Retrievable.
- Millable.
- Re-enterable.

Where applicable, details of the retrieval or milling procedure shall be provided.

7.11 Offshore Deployment Capability

The vendor shall demonstrate capability to execute casing patch operations in an offshore environment.

The vendor shall provide details of:

- Previous offshore installations.
- Required offshore personnel.
- Surface equipment.

- Pressure-control equipment.
- Rig requirements.
- Special handling requirements.

Offshore HSE requirements.

8.0 CASING PATCH QUALIFICATION AND DOCUMENTATION

The vendor shall submit available technical documentation demonstrating the qualification and reliability of the proposed casing patch system, including, as applicable:

- Product datasheet.
- Technical specifications.
- Material specifications.
- Seal qualification.
- Field performance records.
- Installation procedures.
- Running/setting procedure.
- Pressure-testing procedure.
- Failure-mode information.
- Relevant third-party certification, where available.

9.0 REQUIRED FIELD CASE HISTORIES

The vendor shall provide details of at least relevant comparable casing patch installations, preferably including 7-inch casing applications.

The following information shall be provided for each case:

Particular	Vendor Response
Operator	
Well/Location	
Onshore/Offshore	
Casing Size	
Casing Weight/Grade	

Particular	Vendor Response
Setting Depth	
Pressure	
Temperature	
Reason for Casing Patch	
Patch Type	
Installation Method	
Pressure Test Result	
Subsequent Well Operations	
Final Outcome	
Year of Installation	

Note : OIL reserves the right to seek verification of the submitted case histories.

10.0 REQUIRED VENDOR TECHNICAL SUBMISSION

The EOI response shall contain, as a minimum:

A. Company Credentials

- Company profile.
- Years of relevant experience.
- Technology ownership/manufacturer details.
- Global and Indian operational presence.

B. Casing Patch Technology

- Detailed technical description.
- Product specifications.
- Installation principle.
- Running and setting mechanism.
- Sealing mechanism.

- Drawings and dimensional details.

C. Application Envelope

- Applicable casing sizes.
- Applicable casing weights.
- Casing grade compatibility.
- Minimum/maximum casing ID.
- Maximum setting depth.
- Pressure rating.
- Differential-pressure rating.
- Temperature rating.

D. Field Experience

- Comparable casing patch installations.
- Offshore experience.
- 7-inch casing experience.
- Installation success record.

E. Installation Methodology

- Pre-installation requirements.
- Casing preparation.
- Deployment procedure.
- Setting procedure.
- Confirmation of setting.
- Pressure-testing procedure.
- Contingency procedure.

F. Equipment and Personnel

- Required equipment.
- Specialised tools.
- Surface equipment.
- Personnel requirements.
- Rig requirements.

G. Post-Installation Capability

- Remaining ID.
- Drift capability.
- Re-entry capability.
- Retrievalability/millability.
- Compatibility with subsequent testing.

11.0 TECHNICAL EVALUATION CRITERIA

The responses received against this EOI shall be technically examined with emphasis on the following:

Sl. No.	Technical Parameter
1	Proven 7-inch casing patch technology
2	Successful field installations in comparable wells
3	Offshore casing patch experience
4	Compatibility with existing 7-inch casing
5	Pressure and differential-pressure rating
6	Temperature qualification
7	Reliability of sealing mechanism
8	Proven installation and setting reliability
9	Compatibility with existing casing condition
10	Post-installation internal diameter
11	Suitability for subsequent reservoir testing
12	Re-entry/retrieval/milling capability
13	Availability of specialised tools and equipment
14	Availability of experienced personnel
15	Quality and adequacy of technical documentation

Sl. No.	Technical Parameter
16	Well-control and HSE provisions
17	Contingency provisions
18	Mobilisation and execution capability

The above criteria are intended for preliminary market assessment and identification of technically capable vendors. Final technical qualification criteria, if a procurement process is subsequently initiated, shall be established separately based on the detailed well conditions and the outcome of this EOI.

12.0 VENDOR DECLARATION OF TECHNICAL FEASIBILITY

Each respondent shall specifically confirm whether its proposed 7-inch casing patch technology is technically suitable for the well conditions provided by OIL.

The respondent shall clearly identify:

- Any limitations.
- Any additional information required.
- Any mandatory pre-installation diagnostics.
- Any special casing preparation requirements.
- Any operating restrictions.
- Any conditions under which successful installation cannot be guaranteed.

13.0 HSE AND WELL CONTROL

The vendor shall submit details of the HSE and well-control requirements associated with installation of the casing patch.

The response shall address, as applicable:

- Well barrier requirements.
- Pressure-control requirements.
- Safe deployment and setting.
- Emergency procedures.
- Contingency arrangements.
- Equipment certification.
- Personnel competency.

- Offshore HSE requirements.

14.0 IMPORTANT DISCLAIMER

1. This EOI is issued solely for **market exploration and identification of technically capable vendors for 7-inch casing patch services.**
2. OIL shall not be obligated to procure the casing patch service based on the responses received.
3. Submission of an EOI response shall not confer any right on the respondent for award of work or participation in any future tender.
4. OIL may seek clarification or additional technical information from any respondent.
5. OIL may use the information received to formulate technical specifications for any subsequent procurement.
6. No contractual relationship shall arise between OIL and any respondent merely through submission of an EOI response.
7. OIL reserves the right to accept or reject any or all responses without assigning any reason.
8. The EOI does not constitute an invitation to submit a binding commercial offer.

15.0 CONFIDENTIALITY

Respondents shall clearly identify information considered proprietary or confidential and shall ensure that they have the necessary rights to disclose such information to OIL.

16.0 SUBMISSION OF EOI RESPONSE

Interested parties should submit their Expression of Interest, addressed to the Executive Director (Offshore), Oil India Limited, KG Basin Project, Kakinada, by email to kgbasin@oilindia.in and kgb_drilling@oilindia.in

The submission should reach OIL on or **before 16 th October 2026.**

16.1 SUBMISSION INSTRUCTIONS / DISCLAIMER

Interested parties are requested to submit their EOI response with supporting documents, certificates, annexures, technical brochures etc. at the email address mentioned in para 16.0 above. No price should be indicated in the EOI. Parties will be invited to participate in a formal Invitation to Tender (ITT) containing the detailed technical, HSE, and commercial specifications and draft contract terms in due course.

All corrigenda, addenda, amendments, time extension etc will be published in OIL's Website. OIL reserves the right to modify, cancel, or terminate the EOI process at any stage

without assigning any reason. OIL may conduct discussions/ meetings with participating vendors, if required, prior to firming up the Terms of Reference.

Well Schematics: Annexure-1

