



ऑयल इंडिया लिमिटेड
खनन विभाग
राजस्थान फील्ड
02-ए, जिला शॉपिंग सेंटर
सरस्वती नगर
बासनी
जोधपुर - 342005
राजस्थान

Oil India Limited
Drilling Department
Rajasthan Field
02-A, District Shopping
Centre
Saraswati Nagar
Basni
Jodhpur – 342005
Rajasthan

EXPRESSION OF INTEREST (EOI)

EOI NO. EOI/OIL/RF/DRLG/01/2025-26 Dated 02.12.2025

FOR

EVALUATION AND EMPANELMENT OF PREMIUM CASING THREAD CONNECTIONS FOR THERMAL WELLS IN RAJASTHAN FIELD (BAGHEWALA AND SIMILAR FIELDS)

1. INTRODUCTION:

OIL INDIA LIMITED (OIL), a Government of India “MAHARATNA” Category Enterprise, is engaged in Exploration, Production & Transportation of Crude Oil and Natural Gas and Production of LPG in India with participating interest in E&P sector in various overseas projects. OIL-Rajasthan Field (RF) is engaged in E&P operation in Rajasthan with Production of Heavy Crude Oil from its field at Baghewala and Natural Gas from its field from Tanot.

Oil India Limited (OIL), Rajasthan Field is engaged in exportation and production of heavy crude in Baghewala Field of Rajasthan Field, where Cyclic Steam Stimulation (CSS) are conducted as a well stimulation technique. The CSS process subjects downhole tubulars to extreme thermal and mechanical stresses, with injection steam temperatures exceeding 320–350 °C and pressures around 11,000 kPa. These conditions necessitate the use of premium metal-to-metal seal casing connections designed to withstand severe thermal expansion, high internal pressure, and cyclic mechanical loads without losing integrity.

2. BACKGROUND:

Based on extensive studies and qualification testing carried out under the Baghewala Cyclic Steam Injection by OIL, four (04) premium thread connections capable of performing under thermal well conditions, evaluated in accordance with ISO/PAS 12835:2013 – Thermal Well Casing Connection Evaluation Protocol (TWCCEP) currently being utilized in thermal wells at OIL’s Rajasthan Field.

Now, to ensure better competition, technical fairness, and opportunity for innovation, OIL-RF intends to invite Expressions of Interest (EOIs) from all interested manufacturers and technology providers for evaluation and possible empanelment of additional premium casing thread connections.

3. OBJECTIVE:

To identify additional/ new global and domestic manufacturers/suppliers of premium casing thread connections suitable for high-temperature, high-pressure CSS/SAGD wells.

4. EXISTING APPROVED CONNECTIONS:

The following premium casing connections are presently approved by OIL for CSS operation.

Sl. No.	Connection Type	Manufacturer	Testing Standard
i.	VAM SWI	Vallourec	ISO/PAS 12835:2013
ii.	Tenaris Blue	Tenaris	ISO/PAS 12835:2013
iii.	Evrax QB2	Evrax	ISO/PAS 12835:2013
iv.	Hunting Seal-Lock XD Hunting		ISO/PAS 12835:2013

All new premium connections proposed under this EOI shall be benchmarked against the above four in performance and qualification testing.

5. TECHNICAL BENCHMARKS FOR SUBMISSION:

Interested bidders/parties must provide detailed documentation for their proposed/Offered Premium Connection covering the following:

i) Design & Construction:

- a) Thread form, seal mechanism, torque-turn chart, coupling design, and make-up features.
- b) Material grade: L-80 Type 1, seamless, API 5CT (11th Edition).

ii) Testing & Qualification:

- a) Sealability, tensile, compression, and bending tests performed under ISO/PAS 12835:2013 (TWCCEP) or Latest.
- b) Test temperature ≥ 320 °C and pressure $\geq 11,000$ kPa.
- c) Minimum of three thermal cycles demonstrating sustained gas-tight performance.

iii) Third-Party Verification:

Test results must be verified by any of OIL's empanelled independent inspection agencies.

- a) M/s. LRQA Inspection Services LLP (formerly Lloyds)
- b) M/s. Bureau Veritas (India) Pvt. Ltd.
- c) M/s. RITES Ltd.
- d) M/s. IRCLASS Systems and Solutions Pvt. Ltd.
- e) M/s. DNV MES India Pvt. Ltd.

iv) Field References:

Evidence of successful application in CSS, SAGD, or Steam Flooding operations (preferably in similar temperature/pressure regimes).

v) Drawings & Catalogues:

Non-proprietary sectional drawings, connection assembly details, and material specifications.

vi) Certifications:

- a) Valid API 5CT (latest edition) monogram, certificates, and product qualification records.
- b) ISO/PAS 12835:2013 (TWCCEP) or Latest

7. ELIGIBILITY CRITERIA:

- A. If the Bidder is an OEM, shall hold API 5CT licence valid continuously for last 5 consecutive years from original bid closing date of the EOI.

OR

If the bidder is an authorized of OEM, the bidder must submit OEMs authorization and back-to-back guarantee. Additionally, OEM must hold API 5CT licence valid continuously for last 5 consecutive years.

- B. OEM must have successfully executed at least one (01) order for their proposed/offered Premium Connection Casing to E&P operator or service provider to an E&P operator either by themselves or through their agent/dealer/distributor/stockiest/supply house in the past 5 years from original bid closing date of the EOI. The following three (03) sets of documentary evidences to substantiate experience records of the bidder must be submitted alongwith the technical bid, failing which the Bid shall be treated as incomplete and rejected:

- i) **Set-1:** Any one of the following documents:
 - a) Copy of Purchase order(s)
 - b) Copy of contract(s) awarded by Client(s)

- ii) **Set-2:** Any one of the following documents:
 - a) Copy of Consignee delivery receipts
 - b) Copy of challans
 - c) Copy of Bill of Lading
 - d) Copy of Tax Invoice/Commercial Invoice

- iii) **Set-3:** Any one of the following documents:
 - a) True copies of Original Signed and sealed Completion report (on Client's/User's official letter head with signature & stamp).
 - b) True copies of performance certificate (on Client's/User's official letter head with signature & stamp).
 - c) True copies Payment Certificate from the clients (on Client's/User's official letter head with signature & stamp).

NOTES:

[i] The Purchase Orders/contracts date need not be within 5 (five) years preceding original bid closing date of this tender. However, the execution of supply must be within 5 (five) years preceding the original bid closing date of this tender.

[ii] In the event of any extension to the bid closing date of the tender, the original scheduled bid closing date shall be considered for evaluation of BRC clauses.

[iii] Against all supporting documents submitted by the bidder alongwith the technical bid, originals must be kept ready and to be produced for verification of OIL, if called for.

[iv] E&P operator means Exploration & production company who is engaged in exploration & production of hydrocarbon (crude oil & natural gas).

[v] The service provider to an E&P operator shall mean a company, who has procured the item shown in the experience credential submitted and has provided service by utilizing the equipment by himself to an E&P operator or has installed & commissioned the item by himself in oilfield of an E&P operator.

[vi] In case experience credential is submitted for past supply to a service provider to an Exploration & production (E&P) operator, a declaration from the service provider is required to be submitted stating the name and address of the E&P operator for which the item mentioned in the experience credential has been utilized for providing the service or has been installed & commissioned in oilfield of the E&P operator.

[vii] A job executed by a bidder for its own organization/subsidiary cannot be considered as experience for the purpose of meeting BEC/BRC.

C. All documents and test certificates shall be verified by an OIL-approved inspection agency.

8. REQUIRED ITEMS:

Srl No.	Description	Grade	Size	Premium Threads Permitted
1	Casing, seamless, Range 3 (max 40 ft), API 5CT	L80	All sizes & PPF	VAM SWI, Tenaris Blue, Evraz QB2, Hunting Seal-Lock XD
2	Casing Coupling	L80	All sizes & PPF	Same as above
3	Change Nipple (Pin to BTC Box)	L80	All sizes & PPF	Same as above
4	Casing Short Joint	L80	All sizes & PPF	Same as above
5	Float Shoe	L-80	All sizes & PPF	Same as above
6	Float Collar	L-80	All sizes & PPF	Same as above

All above conform to API 5CT (11th Edition).

9. GENERAL TERMS & CONDITIONS:

- i) This EOI is purely for technical evaluation and information gathering; it does not constitute a commercial tender.
- ii) OIL – Rajasthan Field reserves the right to accept, reject, or seek additional information from any participant without assigning reasons.
- iii) Submitting an EOI does not guarantee empanelment or tender participation.
- iv) No commercial or financial offer is to be included at this stage.
- v) All costs incurred in preparation and submission of the EOI shall be borne by the applicant.
- vi) Interested Agency/Firm/Vendor/Contractor/Service Provider must write clearly the EOI number and EOI Description on their EOI. All documents submitted with the EOI must be self-certified by the vendor's authorized person. However, OIL reserves the right to verify the original documents.
- vii) All the copies of document submitted along with the EOI should be clear and legible.
- viii) OIL INDIA LIMITED (OIL) reserves the right to physically check the original documents/certificates, copies of which are submitted along with the EOI.
- ix) The EOI is liable to be ignored in case of submission of any misleading/false representation by the vendor in the form of statements and attachments.

10. SUBMISSION DETAILS:

- i) Interested bidders/parties shall submit their proposals in both soft copy and hard copy with subject line: "EOI No. EOI/OIL/RF/DRLG/01/2025-26: Premium Casing Connection Evaluation"

a) **Soft Copy (at e-mail):** partha_saikia@oilindia.in; iftiquer_moiz@oilindia.in; amar_singh@oilindia.in; vishwajeet.mane@oilindia.in

b) **Hard Copy (At address):**

The office of General Manager (C&P)
Oil India Limited, 2-A, District Shopping Centre,
Saraswati Nagar, Basni,
Jodhpur-342005

- ii) **Submission Deadline:** **Within 23.12.2025 at 15:00 hrs, IST.**

11. FURTHER ACTION:

Based on the responses received, OIL – Rajasthan Field may:

- a) Convene technical presentations with shortlisted parties;
- b) Undertake laboratory validation of new premium connections;

12. DISCLAIMER

- a) This EOI is intended solely to obtain technical data and expressions of interest. OIL – Rajasthan Field shall not be liable for any cost incurred by the participant in preparation or submission of documents.
- b) OIL reserves the right to accept or reject any/all EOI(s) submitted by parties.
- c) OIL reserves the right to modify or withdraw this EOI at any stage without assigning reason.
- d) OIL reserves the right to cancel the process at any time without any liability and assigning any reason thereof.

****End of EOI Document****