



EXPRESSION OF INTEREST (EOI)

EOI for Hiring of Wellbore Conditioning / Reaming Tool for One Year Period on pilot basis

1. Introduction

Oil and Natural Gas Corporation Limited (ONGC) is a Maharatna Central Public Service Enterprise (CPSE) and is a leading company in exploration and production of oil and natural gas in India and overseas.

Drilling of high angle and deep wells come with multiple challenges which include, but not limited to, high torque while drilling, high drag during tripping which often needs reaming/back-reaming to trip in/out the drill string, and low weight transfer issues during drilling leading to slow penetration rate and high exposure time in the open hole.

In this regard, ONGC intends to hire a Wellbore Conditioning / Reaming Tool for One Year Period on pilot basis to assess its performance and its impact on drilling efficiency.

2. Key Information and Dates

EOI Reference Number	ONGC / Dog Leg Reamer /EOI /2026
Date of Issue	30- Jun -2026
Last Date for Submission of EOI	21- July -2026
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3. Objective

The primary objective of this Expression of Interest (EOI) is to explore the market for similar Wellbore Conditioning / Reaming Tools and engage with the prospective service providers for availing the services on a pilot basis to optimize ONGC's drilling operations across various wells of Assam Asset with the intention of cost savings through higher penetration rate achievable by efficient weight transfer to bit, enhanced well bore cleaning facilitating minimal back reaming required while drilling challenging sections, enhanced well and drill string safety by mitigating wellbore stability issues, improved success rates in achieving target depth and successful casing runs.

4. Scope of Work

The detailed scope is provided at Appendix-A.

5. Expected Capabilities of Vendor

Interested vendors should preferably have experience in:

- Manufacturing or extending services for wellbore conditioning/reaming tools in oil and gas industry.

6. Submission details

Interested parties/ Vendors are invited to submit their EOI proposals electronically (PDF format) within 21 calendar days from publication of this notification in Newspapers, encompassing following:

- **Executive Summary:** A concise overview of their Technological solution / proposal.
- **Detailed Proposal:** Comprehensive responses to the information requirements outlined in evaluation criteria listed below.
- **Supporting Documents:** Relevant cases, applications in oil & gas industry, certifications, and any other pertinent documentation.
- **Contact Information:** Interested parties / Vendors to submit their EOI, including any details / queries /clarification required on the objectives and scope of the work projected in the subject EOI to:

Head MIND, ONGC

Deendayal Urja Bhawan,

5, Nelson Mandela Marg, Vasant Kunj,

New Delhi -110 070 Tel – (011)-26752010, (011)- 2675 4156

Email: sanghi_sanjiv@ongc.co.in, mishra_sb@ongc.co.in, kumar1_sunil@ongc.co.in

7. Information Required from Interested Parties

Interested parties are requested to furnish detailed responses covering the following aspects:

1. **Technical Specifications:** Interested parties must demonstrate how their tool(s) mitigates the specific drilling challenges of the Assam Asset which include but not limited to
 - a. High Torque and Drag while drilling
 - b. Frequent tight pulls and held ups while trips
 - c. Frequent requirement of reaming and back-reaming
 - d. Instances of low weight transfer to bits
 - e. Stuck pipe incidents
 - f. Inefficient hole cleaning
 - g. High operational NPT
2. **Tool Compliance and Operational Compatibility:**
 - a. Detailed specifications of the tool(s) showing how they fulfil the Scope of Work.
 - b. Evidence of the tool's ability to handle hole sizes of 12-1/4" and 8-1/2" and its integration requirements for Bottom Hole Assembly (BHA).
3. **Past Experience:**
 - a. Run History: Detailed data sheet of previous usage of offered tool(s)
 - b. Proven Benefits:
 - i. Financial and operational benefits obtained after usage of the offered tool(s)
 - ii. Quantifiable data on Rate of Penetration (RoP) improvement and reduction in Non-Productive Time (NPT)
 - c. Operator Validation: Formal testimonials or recommendation letters from global operators highlighting the tool's efficacy in challenging directional environments.
4. **Supporting Documents:**
 - a. Engineering Data: Full technical drawings and the operating principle of the tool (specifically addressing its eccentricity advantage for borehole conditioning)
 - b. Manuals: Comprehensive operation and maintenance manuals.
 - c. Case Studies: Detailed reports of past "success stories" in fields with similar challenges to the Assam Asset

8. Evaluation Criteria

Interested parties/bidders may be asked to present a proposal/submission before a committee. Submissions will be assessed based on list of required documents/information in point 7 above.

9. Confidentiality

All information received by ONGC as part of this EOI, will be ONGC's property and will be kept strictly confidential and utilized for its internal purposes only.

10. Disclaimer

ONGC reserves the right to alter the scope or terms as needed. This EOI is an exploratory exercise and does not constitute a commitment to award a contract.

Hiring of Wellbore Conditioning / Reaming Tool for One Year Period

1.0 Introduction

Drilling Services, ONGC, Assam Asset intends to hire a wellbore conditioning and reaming tool for deployment in various drilling operations, including but not limited to directional, high-inclination, extended reach, and horizontal wells.

The tool shall be suitable for improving wellbore quality, mitigating drilling-related hole problems, and enhancing overall drilling efficiency in open hole sections of 12-1/4" and 8-1/2" sizes.

2.0 Objective

The primary objective of hiring the tool is to:

1. Improve wellbore geometry and gauge.
2. Mitigate torque and drag.
3. Improve weight transfer to the bit.
4. Reduce occurrence of tight spots, ledges, and micro doglegs.
5. Minimize stuck pipe risks.
6. Reduce reaming and back-reaming time.
7. Enhance hole cleaning efficiency.
8. Facilitate smooth casing / liner running.
9. Reduce Non-Productive Time (NPT).

The tool shall contribute to operational efficiency, risk reduction, and cost optimization during drilling operations.

3.0 Scope of Services

The Contractor shall provide the following services during the contract period:

3.1 Tool Supply

- Supply of one set of wellbore conditioning / reaming tool(s) suitable for the 12-1/4" and 8-1/2" hole size(s). One set of tools will consist of one main and one backup of tools.
- Tool shall be compatible with standard drilling Bottom Hole Assemblies (BHAs).
- Tool shall be suitable for deployment in directional and high-angle wells.
- Tubular transportation baskets for inter-rig transportation of its tools and storage at drill sites.
- Handling accessories such as lifting sub, safety clamp or any other tool required for handling of the tool at drilling rig.
- Fishing tools at no extra cost to ONGC.

3.2 Operational Support

- Provide complete tool assembly in ready-to-run condition.
- Provide operational support for tool placement in BHA.
- Provide recommended operating parameters (RPM, WOB, flow rate, etc.), if required.
- Provide technical support during tool run (remote or onsite as and when required).

3.3 Maintenance & Servicing

- Tool shall be maintained in working condition.
- Replacement of worn components (cutters, stabilizing elements, etc.) shall be Contractor's responsibility.
- Post-run inspection and performance assessment shall be conducted after each run.

3.4 Performance Monitoring

- Contractor shall provide post-run reports including:

- Tool (including cutters and size) condition.
- Observations during drilling.
- Recommendations for future runs.
- Tool performance shall be evaluated based on operational improvements with reference to offset wells, such as:
 - Reduction in torque and drag.
 - Reduction in ECD.
 - Reduction in reaming and back reaming time.
 - Improvement in ROP.
 - Reduction in drilling related NPTs (which include but not limited to, tight pull or held ups during tripping, stuck pipe incidents).
 - Improvement in casing/liner running conditions.
 - Improvement in smoothness during tripping.

4.0 Technical Requirements

The offered tool shall:

- Be suitable for use in vertical, directional, and horizontal wells.
- Be suitable to use in long open hole sections.
- Be capable of operating in varying lithologies and interbedded formations.
- Be compatible with water-based mud systems.
- Be designed to withstand downhole temperature and pressure conditions typical of the fields in Assam Asset of ONGC.
- Be suitable for use in open hole drilling assemblies.
- Be re-runnable, subject to inspection and condition.
- The tools shall be provided with 4-1/2" IF connections PIN and BOX both with thread protectors and lifting subs.

5.0 Contractor Responsibilities

The Contractor shall:

- Ensure timely mobilization of tool.
- Ensure tool readiness prior to deployment.
- Provide necessary technical documentation and safety certifications.
- Ensure compliance with applicable safety and operational standards.
- Maintain confidentiality of well data and operational information.

6.0 Performance Expectations

The tool is expected to contribute toward:

- Improved drilling efficiency.
- Reduced torque and drag.
- Reduced stuck pipe incidents.
- Reduced back-reaming.
- Improved hole condition.
- Reduced NPT.
- Improved casing/liner running success.
- Smoother trip ins and trip outs.

Performance review will be conducted after each wells against the offset wells.

7.0 Confidentiality

All technical, operational, and performance data shared during the contract period shall be treated as confidential.