



EXPRESSION OF INTEREST (EOI)

EOI for Development of QBS Matrix and PQC Criteria for Empanelment of Design & Engineering Consultants (DEC) - Greenfield Offshore Projects

1. Introduction

Oil and Natural Gas Corporation Limited (ONGC) is seeking to empanel Design & Engineering Consultants (DEC) for both the Pre-Award and Post-Award phases of LSTK contracts. The consultant's Pre-Award responsibilities will extend up to the award of the LSTK work.

In the post-award phase, the DEC will participate in the Design Kick-off Meeting, review document control indexes (DCI/MCI), validate document weightages and submission schedules aligned with procurement and site execution, and establish a milestone-based system for monitoring design and engineering progress in line with the project delivery schedule.

2. Key Information and Dates

EOI Reference Number	ONGC/DEC/EOI/2025/02
Date of Issue	20- 11-2025
Last Date for Submission of EOI	10.12.2025
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3. Objective

The primary objective of this EOI is to develop a robust Quality-Based Selection (QBS) evaluation matrix for the empanelment of Design & Engineering Consultants (DEC) under the Greenfield – Offshore category. Through this EOI, ONGC intends to establish a structured framework for assessing and empanelling DEC's based on their experience, technical capability, and suitability for projects of varying complexity and capital investment.

Once the empanelment process is complete, ONGC will invite offers from the qualified agencies for specific jobs, as required, along with detailed special conditions and scope of work. The empanelled agencies will be expected to confirm their acceptance and readiness to undertake the assigned tasks

4. DEC's Role (Indicative)

DEC's Key activities are expected to cover the following areas:

A. Pre-Award Activities

1. DEC shall prepare project schemes, feasibility reports/ FDPs, define scope, and develop cost estimates with required accuracy.
2. DEC shall visit ONGC offices/ offshore sites to collect and verify data, finalize scope, and support technology evaluation.
3. DEC shall prepare the full Technical Bid Package (TBP) on Basic Design Engineering Package (BDEP) or Front-End Engineering Design (FEED) basis, as required, comprising of design basis, PFDs, P&IDs, SLDs, specifications, datasheets, drawings, QAP/ ITP, SVL, and safety study inputs—ensuring statutory compliance.
4. DEC shall update or create functional specs, standard drawings, QAP/ ITPs, and other missing documents, and submit editable/ e-tender compliant TBP files.
5. DEC shall use standard engineering tools (Aspen HYSYS, ETAP, SACS, STAAD Pro, CAESAR-II, PV Elite, AutoCAD/ DraftSight, E3D, etc.) as needed.
6. DEC shall support ONGC during bidding by handling queries, attending pre-bid/ site visits, preparing amendments/ corrigendum/ addendum, and revising scope of work and estimates accordingly, assisting in price schedules, milestones, and timelines.
7. DEC shall support execution by reviewing LSTK contractor documents, resolving technical queries, and assisting in TER preparation

B. Post-Award Activities

1. DEC shall attend design kick-off and project/ engineering review meetings, and review the complete document list, weightage, and submission schedule.
2. DEC shall monitor Design & Engineering progress through milestone-based tracking aligned with procurement and execution needs.
3. DEC shall review all engineering, procurement, and vendor documents of the LSTK contractor and may deploy coordinators at ONGC or contractor offices.
4. DEC shall ensure timely submission of deliverables and verify statutory compliance, assisting ONGC in securing required approvals.
5. DEC shall evaluate alternate vendors, support 3D model reviews, and participate in safety studies and agency evaluations.
6. DEC shall assess scope changes and associated cost impacts during project execution.
7. DEC shall review As-Built documents and process all engineering reviews through ONGC's OPMAC platform within specified timelines.
8. DEC shall review punch points and assist in its closure.

5. Key Outcome of this EOI

This EOI does not seek to empanel the DEC at this stage. Instead, it is intended:

- A. **To develop a comprehensive Quality-Based Selection (QBS) evaluation matrix:**– This matrix will serve as the key tool for assessing and ranking Design & Engineering Consultants (DECs) under the Greenfield – Offshore category based on experience, technical expertise, and capability to handle projects of different complexity and capital investment. Quality score as discovered during empanelment tender shall be used for QCBS based evaluation in the subsequent limited tenders (price bids) for actual award of design engineering works.
- B. **To define Pre-Qualification Criteria (PQC) for DEC empanelment:** – The PQC will establish the minimum eligibility standards that agencies must meet to be considered for empanelment.

6. Information Sought from Interested Parties

A. Details of engineering experience:

- a) **Pre-award engineering** – Preparation of the Technical Bid Package (TBP) on a Front-End Engineering Design FEED basis

AND / OR

- b) **Post-award detailed engineering** – Including approval of drawings and purchase specifications for the following categories, **along with work value, executed in the last seven years:**

- i. New offshore Oil/ Gas/ Water Process Platform
- ii. New Wellhead Platform
- iii. MOPU
- iv. FPSO
- v. Subsea Production System along with sub-sea Pipelines
- vi. Offshore pipeline laying jobs

- B. **Engineering Databases and Software Systems such as** AutoCAD/ DraftSight/ Smart Plant P&ID for P&IDs, CAESAR II for Pipe Stress Analysis, ETAP for Electrical Power System studies, Aspen HYSYS for Process Simulation, Flaresim for Flare System Design, and SACS for Structural Analysis.

- C. **Engineering Manpower Strength:** Number of Lead / Discipline Engineers (Civil/ Structural, Mechanical, Process/ Chemical, Piping, Instrumentation, Electrical, Pipeline, Fire & Safety, Costing) on the agency's payroll, year-wise, for the **last five years**.

7. Submission Guidelines

Interested parties are invited to submit their EOI documents **in support of their experience**. The EOI submission should include the following information:

1. **Experience Details:** A comprehensive list of Design & Engineering contracts or projects executed over the last seven years, including a brief description and scope of work for each project.
2. **Project-Specific Details:** The order / completed value (in terms of INR or USD) of each of the Detailed Engineering Consultancy contracts listed at sr. no. 1.
3. Details of the **Engineering Databases and Software Systems available with the agency**
4. Manpower resource details as specified above in para 6 section C.

Submission Deadline: 10.12.2025

Submission Format: Electronic copies in PDF/PPT format (& additional documents), submitted via email to sanghi_sanjiv@ongc.co.in & mishra_sb@ongc.co.in

8. Disclaimer

This EOI is solely for the purpose of market exploration and scope definition. It does not constitute a commercial tender or RFP, nor does it commit ONGC to proceed with any procurement process.