



Energy for India

**CAIRN ENERGY INDIA PTY LIMITED**

(Incorporated in New South Wales, Australia - ACN 002 066 784)

**GLOBAL EXPRESSION OF INTEREST / PRE-QUALIFICATION FOR FEED & DETAIL ENGINEERING SERVICES FOR RAJASTHAN BLOCK (RJ-ON-90/1)**

Cairn Energy India Pty Ltd. ("CEIL") is the Operator on behalf of Joint Venture partners CEIL, Cairn Energy Hydrocarbons Limited (CEHL) and Oil and Natural Gas Corporation (ONGC), of the Contract Area RJ-ON-90/1 at Barmer in the state of Rajasthan. The RJ-ON-90/1 Block contains a number of major oil discoveries. The Global 'Expression of Interest' is sought for future developments and enhanced oil recovery projects, where Cairn Energy India Pty Ltd (CEIL) is the Operator.

CEIL seeks a Expression of Interest under International Competitive Bidding Process (ICB) from reputed engineering contractors (Indian and International both) with experience in FEED & designing a wide range of onshore and offshore oil and gas facilities including well heads, well pads, pipelines, gathering systems and stations, process plants, terminals etc.

The range of services required covers a very broad spectrum from specialist technical studies through to detail engineering. Hence contractors with wide ranging capability will be preferred. Cairn may select more than one Contractor to provide redundancy and to ensure that the full spectrum of services is provided. In the event that more than one contractor is selected, work parcels will be allocated to suit the capabilities and key skill sets of the contractors and the availability of resources.

In brief, the scope of work shall include:

- Preparation of basic engineering design package
- Concept screening studies
- Concept studies
- Technical studies
- Debottlenecking and optimisation studies,
- Pipeline flow assurance, (including dynamic modelling of pipelines)
- Corrosion studies/ material selection studies,
- Energy optimisation studies
- Steam and Power studies
- Techno commercial and feasibility studies for a range of design and technology options
- Process plant simulations
- FEED / Basic engineering,
- Detailed engineering assignments for plant and pipelines
- Availability and reliability analysis
- Conceptual design
- Facilities layout
- Civil and flood water control design
- Technical input to procurement process (RFQ/MR, VDR and TBE preparation).
- Site visits
- Commissioning and test run planning and supervision
- Construction engineering assistance.
- To participate and technically support in technical safety studies HAZOP, HAZID, SIL analysis / studies, EIA etc.

The key requirements of contractors shall be as follows:-

- Demonstrate experience across a wide range of engineering services from conceptual studies specialist studies, process selection / screening studies, high level consulting services, FEED, debottlenecking and optimisation studies and detailed engineering.
- Demonstrate experience across a wide range of oil and gas facilities including pipelines, gathering systems and stations, process plants, terminals etc.
- Demonstrated large number of resources in all engineering and support disciplines.
- Demonstrated large process engineering resource base (a minimum of 40-50 personnel), with sound experience and knowledge at all working levels in the department.
- Demonstrated experience in provision of procurement services including preparation of technical bid evaluation, RFQ, MR, vendor document review, vendor evaluation etc.
- Demonstrated process capabilities in steady state simulations, equipment and instrument sizing and preparation of specifications etc.

- Demonstrated experience and expertise for specialist studies including corrosion study, flow assurance studies, dynamic simulations, material selection studies, chemical injection studies, energy optimisation studies, pinch analysis for the heat exchangers etc.

Companies are requested, as a minimum, to submit the following documents and details:

- Letter of interest with detailed company information. Number of current personnel on discipline basis as well as the CV's of the key nominated personnel for all disciplines who would be assigned to this work. Also details of support agencies and other facilities and resources.
- Details of software available, management of change systems, project controls systems and procedures, quality systems etc. List of policies, procedures and quality assurance practices currently in place for the execution of similar work.
- Reference list of relevant facilities experience for onshore and offshore oil and gas projects including processing facilities, pipelines, terminals, gathering systems / field production, brown field/ green field.
- Details of completion of similar type of projects in the last three years under headings:  
(a) Brief scope of work (b) Value of work in INR (c) Contractual Duration (d) Actual completion of Project (e) Clients name (f) Contact details of the Client ( CEIL may approach the client directly for the feedback) g) Completion Certificate j) project planning and Execution methodology.
- List of all jobs currently under execution phase with the value of the Job and percentage completion
- Financial performance documents (Audited Balance sheets and Profit and Loss statements etc.) with details of turn over for last three (3) years

CEIL request interested contractors to submit their Expression of Interest (Subject and Title to read ("PRE-QUALIFICATION FOR FEED AND DETAIL ENGINEERING SERVICES FOR RAJASTHAN BLOCK RJ-ON-90/1")

For further details, interested Contractors are requested to visit our website (visit url: <http://www.cairnindia.com>).

All information and documentation should be provided at the address below within 14 days of publication of this EoI by e-mail as attached PDF file and via courier to:

**Director - Procurement and Supply Chain Management**  
**Cairn Energy India Pty Limited,**  
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