



## Energy for India

### CAIRN ENERGY INDIA PTY LIMITED

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

## **EXPRESSION OF INTEREST FOR SUPPLY OF CHEMICALS & CHEMICAL MANAGEMENT CONTRACT FOR NORTHERN AREA FIELD DEVELOPMENT PROJECT, RAJASTHAN.**

Cairn Energy India Pty Ltd ('CEIL') is the Operator, on behalf of Joint Venture partners Cairn and ONGC, of the Contract Area RJ-ON-90/1 in the State of Rajasthan, India. Subsequent to several successful oil & gas discoveries in the area, CEIL is in the process of development of the Mangala Oil and Raageshwari Gas Fields. Production is expected to commence this year. The Mangala Processing Terminal will process the crude oil & transport the oil to the Gujarat coast via a 660 Km long 24" diameter pipeline. Raageshwari Terminal will process the gas & accompanying condensate for transporting to Mangala Processing Terminal / Export Pipeline. Raw Water for use in these facilities will be supplied from Thumbli aquifer.

CEIL seeks Expressions of Interest (EOI) for Long Term supply of chemicals, & also a Chemical Supply Chain Management Contract for its Rajasthan Assets (including Pipeline Assets located in Rajasthan & Gujarat), from reputed quality approved manufacturers / contractors for respective services as per details given below :

#### **A) Chemical Management contract:**

The chemical management contractor shall manage all the chemicals & laboratories for the Rajasthan & pipeline Assets listed below:

- Mangala, Bhagyam, Aishwarya, Saraswati, Raageshwari & other fields located in Rajasthan.
- Mangala & Raageshwari Processing Terminals located in Rajasthan
- Thumbli aquifer near Mangala in Rajasthan
- 24" dia SEHMS heated oil pipeline from Mangala Processing Terminal to Gujarat
- 8" dia Gas Pipeline from Raageshwari Processing Terminal to Gujarat
- Viramgam, Salaya & Bhogat Terminals located in Gujarat

The scope of work for the Chemical Management Contractor shall include:

- To act as the focal point or all chemical usage/matters
- Material Requirement Planning
- Sourcing and Chemical specifications generation
- Facilitating ordering of chemicals
- Storage and Inventory Management (vendor to supply storage/warehousing for all chemicals)
- Logistics and Handling (from its base to point of usage at various locations, well pads, terminals, aquifers, pipeline etc)
- Management of HSE aspects including maintaining MSDS database, developing contingency plans for handling chemical spills, recommending types of PPE's to be worn while handling the chemicals etc.
- Review of dosing locations & suggesting the optimum locations, review of Cairn's chemical dosing system (P&ID's, equipment specifications including MOC's)
- Assisting Cairn in preparing KPI's for performance monitoring
- Performance/effectiveness monitoring of chemicals & recommending optimum dosing rates
- Collecting samples & setting up laboratory procedures for Quality Control
- Supply of lab personnel & equipment for monitoring performance.
- Performing lab & field trials for selecting optimum dosing rates of chemicals, carrying out comparative studies
- Returns and Handling
- Surplus / Waste Disposal
- Implementing computerised chemical management system
- Training of Cairn operators

- Managing commodities, lab chemicals

**B) Supply of chemicals:**

CEIL proposes to enter into Long Term Agreements (2-3 years) with Contractors for supply, & technical assistance for chemicals to be used in its various assets in Rajasthan & Gujarat as mentioned above .

The scopes of work shall include, but not limited to, supplying any or all:

- 1) Oil well pad injection chemicals including Demulsifiers, Corrosion inhibitors & scale inhibitors
- 2) Gas well pad injection chemicals like Corrosion inhibitors
- 3) Water well pad injection chemicals like corrosion inhibitors
- 4) MPT Hydrocarbon system injection chemicals like Demulsifier, Reverse Demulsifier, Scale inhibitor , Corrosion Inhibitors (liquid, gas), antifoam
- 5) MPT raw & power/injection water system chemicals including biocide, antiscaling, oxygen scavenger, corrosion Inhibitor, polyelectrolyte
- 6) MPT steam system chemicals including oxygen scavenger, corrosion inhibitor, pH control
- 7) Raageshwari Terminal gas system chemicals including Hydrate inhibitors , corrosion inhibitors
- 8) *Viramgam Terminal steam system chemicals*
- 9) Chemicals for oil & gas export pipelines including corrosion inhibitors, water removal chemicals like methanol, MEG etc.
- 10) Speciality down hole chemicals like various well stimulation/acidizing chemicals, workover chemicals etc
- 11) Consumables like hydraulic fluids, paints, laboratory chemicals & calibration gases, Nitrogen, LPG , Oxy acetylene , sewage & waste treatment chemicals
- 12) Technical services for assisting Cairn

Only those companies / consortium possessing substantial and proven record of performance in executing similar contracts of this magnitude should respond to this notice. Companies are requested, as a minimum, to submit the following documents and details:

1. Letter of interest with detailed company/consortium information.
2. Lists of similar work successfully executed in the last five years and similar projects/agreements currently under execution. (With particular emphasis on work carried out with Oil and Gas Operators).
3. For item 'B' details of Company's manufacturing set-up with capacity details (tonnes per year) and geographical location.
4. For 'Item A' details of the proposed Supply Base to be used for storing chemicals as specified above.
5. List of policies, procedures and quality assurance practices currently in place for the execution of similar work.
6. Health, Safety and Environment (HSE) policies, procedures and statistics covering the last 4 years.
7. Corporate financial details for last 3 years.
8. Copies of ISO 9000/14000 certification.

All information and documentation shall be provided at address below within 30 days of publication of this EOI by e-mail as attached PDF file and via courier to:

**Deputy General Manager - Contracts**

Cairn Energy India Pty Limited, 3<sup>rd</sup> & 4<sup>th</sup> Floors. Orchid Plaza.Suncity. Sector 54. Gurgaon 122 002

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