



**Energy for India**

## **CAIRN ENERGY INDIA PTY LIMITED**

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

### **GLOBAL EXPRESSION OF INTEREST (EOI) FOR SUPPLY OF PIPELINE INTRUSION DETECTION SYSTEMS FOR MANGALA DEVELOPMENT PIPELINE PROJECT**

Cairn Energy India Pty Ltd. ("CEIL") is the operator of block RJ-ON-90/1 (the "Block") in India, and operates the Block on behalf of itself and its Joint Venture (JV) partners Cairn Energy Hydrocarbons Limited and Oil and Natural Gas Corporation (ONGC). The Block contains a number of major oil discoveries, including the Mangala field, the largest onshore oil discovery in India since 1985. CEIL and its JV partners have approval from Government of India (GOI) for a pipeline to transport crude oil from the Block at Barmer, Rajasthan to a coastal terminal facility in Gujarat.

The pipeline project involves a main 24" Oil Export Pipeline and a 8" Gas (fuel) Pipeline of approximately 670 km, pumping / terminals and related facilities for the transportation of 1,50,000 to 1,75,000 barrels of crude oil per day from the upstream process terminal at the Mangala field to the downstream terminal point on the Gujarat coast at Bhogat, in Jamnagar District.

CEIL intends to award a contract for supply of Pipeline Intrusion Detection System through an International Competitive Bidding process. The scope shall include:

#### **ITEM: Pipeline Intrusion Detection Systems as listed below.**

##### **1) FREE TRIAL of Pipeline Intrusion Detection System (3 – 4 weeks)**

Scopes of work for trial of Intrusion Detection System are listed below as minimum:

- a) Contractor is responsible to provide a complete Pipeline Intrusion Detection System to monitor the intrusion activities along 80 km sections (minimum).
- b) Contractor shall engineer, design, supply, install, test, and commission the trial system at the selected sections. Full test reports shall be submitted for evaluation by CEIL. This report will be considered for technical evaluation of main proposal.
- c) Trial systems shall be installed at Above Ground Installation (AGI) - AGI 07, AGI 08, AGI 09, AGI 10 and AGI 11. Centre of monitoring will be at AGI 09, which will be manned throughout the trial sessions. Details of these stations and other references will be the part of main Tender.

##### **2) MAIN supply of Pipeline Intrusion Detection System**

The Pipeline Intrusion Detection System shall consist of all necessary items associated facilities, auxiliary equipment, systems, programs, and all appurtenances that are required to provide a safe and operational system. Pipeline Intrusion Detection System shall be a highly sensitive, distributed acoustic sensing system utilising existing fibre optic cables along the crude oil and gas pipelines that provides the end users with an automated means of monitoring or measuring activity along long linear assets.

The Pipeline Intrusion Detection System shall be provided at the facilities in Upstream and Midstream areas including Spur Pipelines. The Central Control Room (CCR) for the Pipeline operation will be located at Mangala Processing Terminal (MPT). The Intrusion Detection System shall be installed at CCR for the purpose of control and monitoring the entire pipeline operations. Estimated pipeline length is 700 km.

A direct buried Fibre Optic Cable (FOC) has been installed as the backbone communication medium for the pipeline operation.

CEIL seeks Expression of Interest (EOI) from reputed Contractors for the above mentioned works. Only those companies possessing substantial and proven record of performance in executing similar jobs of this magnitude should respond to this notice. Companies are requested, as a minimum, to submit the following documents and details:

1. HSE systems:
  - a. For all projects executed in last 5 years
  - b. HSE Manual/Policy
  - c. Project specific HSE Plan for similar project
2. Letter of interest with detailed company information as follows:
  - a. State the name of the parent Company.
  - b. State the Name/Address/Phone/E-mail of the company that would execute the Contract.
  - c. If a Joint venture to be proposed, state the name/address/phone/email of all joint venture partners.
  - d. Organization structure
  - e. Size of Departments
  - f. Procurement system & procedure
  - g. Material control system.
3. Company's financial performance documents (including JV Partner's financials, if proposed) i.e. Audited Balance Sheets, Profit and Loss Account & Cash Flow Statement for the last 3 years & following details separately:
  - a. Company Turnover based on last 3 audited/Financial statement
  - b. Company's Net Worth based on last 3 audited/Financial statement
  - c. Return on Equity based on last 3 audited/Financial statement
  - d. Working Capital based on last 3 audited/Financial statement
  - e. State the banker's name, address and Solvency certificate from the bank indicating the credibility limit in financial terms.
4. Experience:
  - a. Lists of similar projects successfully executed with detail facility in the last five years in India or abroad with completion Certificate and those of currently under execution.
  - b. Detail of orders (minimum 3) executed for more than USD 2 Million recently.
  - c. Detail of current commitments.
5. Quality Systems:
  - a. Copy of current ISO Certificate provided
  - b. Certification of the Companies QA system by an accredited certification body
  - c. QMS of the Company.

The envelope should be subscribed with "Reference No. **CEIL/C&P/EOI/MDPP/PIDS/10**". All information and documentation shall be provided at address below within 14 days of publication of this EOI by e-mail as attached PDF file and via courier to:

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