



Energy for India

CAIRN ENERGY INDIA PTY LIMITED

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

GLOBAL EXPRESSION OF INTEREST (EOI) FOR DETAILED ENGINEERING FOR BHOGAT TERMINAL

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 an Oil Evacuation Pipeline and Gas 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 issue a contract for Detailed Engineering, for Bhogat Terminal. The following facilities (but not limited to) are proposed at the Terminal

- Buffer crude oil storage tanks, totally approximately 2.5 million barrels
- Gas based Power Generation
- Steam Generation Package for crude oil tank heating
- Fiscal Metering
- Marine Tanker (AFRAMAX Class) Loading Pumps
- Yard Piping
- Water Desalination Treatment System
- Buildings – Control Room, Administration building, canteen, laboratory, workshop, warehouse, fire house, security rooms, watch towers, sub-stations, local equipment room
- Roads, drainage, greenbelt development and other infrastructure facilities

The Detailed Engineering Contractor's scope shall include:

- Verification of Basic Engineering Package
- Design and engineering of all systems and packages including process, civil, mechanical, piping, electrical, instrumentation within Bhogat Terminal and cover the project phase from detailed engineering development to the project completion. (viz. construction drawings, incorporating vendor data, technical procurement support, engineering assistance and supervision of construction, As-Built details/drawings).
- Carrying out HAZID, HAZOP, SIL, QRA Studies
- Pre-commissioning & Commissioning engineering assistance and supervision

CEIL seeks Expression of Interest (EOI) from reputed Engineering Consultants. Only those companies possessing substantial and proven record of performance in

executing similar jobs of this magnitude should respond to this notice. The minimum qualification requirement for the bidders shall be as follows:

- Should have completed at least one project in the Oil & Gas sector involving at least 100000 man hours with a completion schedule of 7 - 8 months within the last 3 years
- Should be able to deploy on an average 13000 man hours with a peak deployment of about 18000 man hours for about three months.

Engineering Consultants meeting the above requirement are requested, as a minimum, to submit the following documents and details:

- Letter of interest with detailed company organisational details / information
- Lists of similar projects successfully executed in the last five years and those of currently under execution. (With particular emphasis on project of similar magnitude carried out in Oil & Gas sector).
- Discipline and geographical location wise company's permanent manpower strengths / deployment for detailed engineering services (CV of key personnel, discipline wise direct and associate man-power, specialist tie-ups)
- Company's financial performance documents (Audited Balance sheets and Profit and Loss Statements etc.) for last 3 years.
- Bidders Current Commitment
- List of specialists / manpower dedicated for Quality Assurance, Health, Safety & Engineering (HSE) Engineering
- Valid ISO Certification
- Health, Safety and Environment policies, procedures and statistics covering the last 3 years.
- Proposal on how and within how much lead time bidder is expected to meet the above requirement.

All above information are required to be submitted in a detailed and complete manner and insufficient or incomplete submission may be rejected from further consideration. All information and documentation shall be provided at address below within 10 days of publication of this EOI by e-mail as attached PDF file and via courier to:

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