



**CAIRN INDIA LIMITED**

(Incorporated in Mumbai, India – U11101MH2006PLC163934)

(INTERNATIONAL COMPETITIVE BIDDING)

**GLOBAL EXPRESSION OF INTEREST (EOI) FOR SUPPLY OF MODULAR SKID MOUNTED POLYMER SOLUTION UNIT, PRE-ENGINEERED BUILDINGS, ELECTRICAL POWER HOUSE, PUMPS AND RTP PIPES FOR RAJASTHAN BLOCK**

Cairn India Ltd (“CIL”) is the Operator of the Onshore RJ-ON-90/1 block, on behalf of itself and its Joint Venture (JV) partners Cairn Energy Hydrocarbons Limited (CEHL) and Oil and Natural Gas Corporation Limited (ONGC), located in Barmer district, in the state of Rajasthan, India. The Block contains number of major oil discoveries, including the Mangala, Bhagyam and Aishwariya Fields and various other discoveries which would be developed over a period of time. The ‘Expression of Interest’ is sought for developments in Rajasthan Block, where Cairn India Ltd (CIL) is the Operator.

CIL has also implemented chemical EOR process at Mangala field which will increase the oil recoveries and intends to execute EOR in other fields.

CIL on behalf of its joint venture partner’s invites interest bidders (Indian and International) with demonstrated HSE performance to express their interest, with the pre-qualification documents, to participate in an International Competitive Bidding Process (ICB) for Supply of Polymer Injection Pump with commissioning services for Rajasthan block.

**Package E: Supply of Polymer Injection Pump with commissioning services**

The Contractor shall have demonstrated capabilities in Process Design, Detailed Engineering, Procurement, and supply of polymer injection pumps in oil and gas facilities:

**Technical Requirements**

- Pumps shall be as per API 675 3<sup>rd</sup> edition, Pump shall be low speed, low shear type for polymer injection application with pulsation control device
- **Fluid** : Concentrated Polymer Solution
- **Viscosity** : 2000 – 4000 cP
- **Viscosity degradation** : up to 2%
- **Temperature** : 70°C
- **Rated flow** : 6 m<sup>3</sup>/hr and above
- **Differential Pressure** : 70 bar to 125 bar
- **Capacity control** : Automatic Stroke Adjustment (Local/Remote)/VFD
- **MOC** : Wetted Component, Duplex SS

**Specific Pre-Qualification Criteria:**

1. The vendor shall be an established manufacturer of API – 675 Positive displacement (Controlled Volume) pumps
2. The vendor shall have designed, engineered, packaged, tested and supplied during the last Seven (7) years, from the proposed manufacturing plant, at least TWO (2) validly similar Positive Displacement (Controlled Volume) Pump packages which shall have completed ONE (1) Year of satisfactory operation at site, as on the bid due date
3. Pumps supplied shall be similar in terms of power rating, Hydraulics, Inlet flow, Differential Pressure, Operating Pressure, Pumping liquid, Speed, Number and Type of Pump heads

- (i.e. Simplex/Duplex/Triplex etc.) Diaphragm (Double Sandwich with diagram rupture detection system) Mechanical design, Materials etc.
4. Turnover in each of the two preceding financial years shall be equal or more than the estimated value.
  5. Net worth of the Contractor should be positive in each of the immediately preceding two (2) financial years.
  6. Liquidity ratio of the Contractor in each of the preceding two (2) financial years should not be less than 0.60.

**The Contractor is requested, as a minimum, to submit the following documents and details:**

1. Letter of interest from Contractor on their Letter Head clearly stating the package reference
2. Organization structure, List of manpower with CVs of key personnel, Plant and Machinery list mentioning year of manufacturing, Support agencies and other facilities and resources.
3. Details of completion of high value similar projects in Petro Chemical / Refinery / Oil & Gas projects in the last five (5) years under headings:
  - a) Brief scope of work
  - b) Value of work in INR / USD
  - c) Contractual Duration
  - d) Actual completion of Project with Completion Certificates
  - e) Clients name
  - f) Contact details of the Client
  - g) Safety Certification / Inspection of plant and machineries
  - h) HSE statistics, LTI graph etc.

Note: only completed projects on or before EOI submission date shall be considered for evaluation.

4. Specific Execution Strategy outlining Design, Engineering, Procurement, Project controls, Manufacturing/Fabrication, Commissioning functions along with geographical locations for each of the functions. Also provide Technical Catalogue with lead time in line with the project requirement for supply of above items.
5. Details regarding manufacturing/fabrication capabilities for above items
6. Details of In-house Engineering Resources / Alliance Partnership with Engg firms /Engg Softwares / Tech support Availability
7. Details of In-house Manufacturing/Fabrication division handled similar type of projects / Fabrication and Testing Capacities & capabilities.
8. List of current contracts of similar nature under execution with the value of the Contract and percentage completion. Clear Mentioning of spare workload capacity which shall ensure that the project would be completed in schedule.
9. Health Safety and Environment (HSE) policies, HSE Safety Manual / Procedures, Organogram in line with internationally accepted practices with statistics for last three (3) years.
10. LTIFR track record for last three (3) years.
11. Quality Manual, Policies and Procedures, Organogram in line with internationally accepted practices.
12. Copies of ISO certifications for ISO 9001, EMS 14001, OHSAS 18001 etc.

13. Financial performance documents (Audited Balance sheets, Profit and Loss statements etc.) for last two (2) years.
14. Details of current and projected commitment.
15. Information regarding any current litigation in which the Contractor is involved

The interested Contractors should evince interest to participate in the Expression of Interest by clicking on the "Evince Interest" link against the corresponding EoI listing on the Cairn India website i.e. <http://www.cairnindia.com> and submit their contact details online.

Further to this, interested Contractor s would be invited to submit their response via Smart Source (Cairn's e Sourcing Platform). The Contractor s would be requested, as a minimum, to submit the above documents and details for prequalification via Smart Source within Fourteen (14) days of publication of Expression of Interest.