



**We Fuel Amazing
CAIRN INDIA LIMITED**

(Incorporated in Mumbai, India – U11101MH2006PLC163934)

(INTERNATIONAL COMPETITIVE BIDDING)

**GLOBAL EXPRESSION OF INTEREST (EoI) FOR
DESIGN & SUPPLY OF EFFLUENT TREATMENT PLANT 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 on behalf of itself and its joint venture partners invites Expression of Interest under International Competitive Bidding (“ICB”) process from reputed Contractors (Indian and International) with proven track record for Design and Supply Of Effluent Treatment Package with Sludge Handling Facility in Upstream Oil & Gas Facilities.

Brief Scope of Work:

The scope of work shall include but not limited to

- Basic and detailed engineering, procurement and supply of material, fabrication and assembly, shop testing, inspection, painting, marking, preservation/ protection, transportation, supervision of installation, pre-commissioning, commissioning .
- Its shall also include priming, internal coating, insulation, testing and delivery of the package required for treating Produced Water filter backwash water to remove the Oil and TSS to the desired specifications.
- Sludge treatment unit shall also be part of design and supply of the overall package.
- All the associated on-skid valves, piping specialty items, control valves, relief valves, interconnect instrument tubing and valves, Controls and instrumentation (including free standing control panel, skid mounted motor local control stations etc.), on-skid electrical wiring and cabling and other engineering items to be supplied along with skid.

Package inlet Specification

Design Flow rate	10,000-20,000 BWPD *
OIW peak	15000 ppmv
TSS normal	1500-5000 ppmw
TSS peak	6500 ppmw
Dissolved Oxygen	≤10 ppb

Package outlet Specification for Treated Water

Parameters	Standards
OIW	≤10 ppmv
Total Suspended Solids	≤10 ppmw*
Dissolved Oxygen	≤10 ppb

*With 98% removal of particles greater than 10 microns.

Contractors shall have demonstrated Design & Supply capabilities and proven track record for design and supplying of ETP for treatment of OIW and TSS with sludge handling facility in oily streams in Upstream Oil and Gas sector leveraging pre-fabrication and maximum usage of modular/skid mounted process equipment to minimize in situ construction.

Specific Pre-Qualification Criteria:

1. Interested Party should have designed and supplied at least 1 Oily Water Effluent Treatment Plant in Upstream Oil and Gas Industries of capacity 5000 BWPD or above in last five years.
2. Net Worth – Positive net-worth in each of the immediately preceding two financial years
3. Turnover - Annual Average turnover in each of the immediately preceding two financial years should be more than or equal to the estimated annual contract value.
4. Liquidity – Liquidity ratio in each of the preceding two financial years shall not be less than 0.60.

The interested parties are requested, as a minimum, to submit the following documents and details:

1. Letter of interest from interested parties on their Letter Head, clearly mentioning the name of bidding entity.
2. Organization structure with CVs of key personnel from Project Management, Engineering, Fabrication shop, Commissioning. Ownership Details. List of Manpower & Resources
3. Specific Project Execution Strategy with details of Sub-contracting strategy.
4. Support letters from major sub-contractors
5. List of design softwares available with the interested party
6. Details of Fabrication shop including capacity , facilities available , location of plants etc
7. Histograms showing spare capabilities in Engineering, fabrication and commissioning disciplines over the next 2 years.
8. Completion certificates and Work Order of similar projects executed in previous 5 years
9. List of similar projects completed in previous 5 years with details like:
 - 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.
 - i. Current ongoing and future project commitments.
10. List of Projects demonstrating Capabilities and Experience in Brownfield Projects.
11. Health Safety and Environment (HSE) policies, HSE Safety Manual / Procedures, Organogram inline with internationally accepted practices with statistics for last three (3) years.
12. LTIFR track record for last three (3) years.
13. Quality Manual, Policies and Procedures, Organogram in line with internationally accepted practices.
14. Copies of ISO certifications for ISO 9001, EMS 14001, OHSAS 18001 etc.
15. Details of In House Testing Facilities for Quality Checks
16. Quality Resource Organogram
17. Financial performance documents (Audited Balance sheets, Profit and Loss statements etc.) for last two (2) years. Apart from above specified pre-qualification criteria, the following financial evaluation criteria will be used for evaluation of financial standing and

the interested party or lead member of the Consortium not meeting any of the following criteria shall be disqualified from the bidding process

- a. Net Worth – Positive net-worth in each of the immediately preceding two financial years
- b. Turnover - Annual Average turnover in each of the immediately preceding two financial years should be more than or equal to the estimated annual contract value.
- c. Liquidity – Liquidity ratio in each of the preceding two financial years shall not be less than 0.60.

18. Indicative Delivery Schedule and Indicative Footprints of the package

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