



Energy for India

CAIRN ENERGY INDIA PTY LIMITED

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

GLOBAL EXPRESSION OF INTEREST (EOI) FOR PROCUREMENT OF PACKAGES FOR AISHWARIYA FIELD DEVELOPMENT PROJECT IN RAJASTHAN

Cairn Energy India Pty Ltd. ("CEIL") is the Operator on behalf of Joint Venture partners CEIL, Cairn Energy Hydrocarbons Limited and Oil and Natural Gas Corporation, of the Contract Area RJ-ON-90/1 at Barmer in the state of Rajasthan, India. The RJ-ON-90/1 block contains a number of major oil discoveries namely Mangala, Bhagyam, Aishwariya and other fields. The Mangala field is the largest onshore oil discovery in India since 1985. The Mangala field development consists of well pad facilities and processing hub named Mangala Processing Terminal (MPT) which is currently under production / operation. It is now proposed to develop Aishwariya field by H2-2012 and for that we require the supply and services of the below mentioned equipment, detailed techno-commercial and delivery requirement of which has been explicitly stated.

CEIL on behalf of its joint venture partner's invites reputed Indian and International Suppliers/Manufacturers to express their interest, for pre-qualification as bidders to participate in an International competitive bidding process for supply of procurement packages as described below.

Procurement packages:

1. Production Liquid Transfer Pumps (API 610 pumps latest Edition) for Hydrocarbon/water service:

Complete design, engineering, procurement of materials, manufacture/ fabrication, supply of spares, inspection and testing at Vendor's / Sub-vendor's works, surface preparation, painting, packing, supply, delivery and supervision services for installation and commissioning at site for Production Liquid Transfer Pumps (AWP08-P-201A/B/C) and Motors (AWP08-PM-201A/B/C) of rated capacity of 200 m³/hr, Differential Pressure(DP) of 24.3 bar and differential head of 298.3 m, with Package PLC panel and Vibration monitoring system. The pumps should be capable of handling 25 lbs / 1000 bbls of sand. The MOC of pump casing & pump impeller shall be Duplex 22.

Specific Qualification Criteria: Demonstrated track record of past supplies of similar pump / skids with minimum operation of 8000 hrs in one year.

2. Thermal Oxidizer (NFPA 86 latest edition):

Complete design, engineering, procurement of materials, manufacture / fabrication, supply of spares, inspection & testing at vendor's/ sub vendor's works/site, surface preparation & painting, packing, supply, delivery and supervision services for installation and commissioning at site of Thermal Oxidizer, including all accessories and appurtenances necessary to make a functionally complete unit, for recovering heat from water saturated produced gas from Aishwariya field, having more than 60% of CO₂ and around 15% of lighter hydrocarbons. The major elements of the thermal oxidizer are:

- 1) Fire box with burners and associated management and shutdown system, Fuel gas and pilot gas manifolds, Air blowers & Purge air system, Heating coils & vent stack.
- 2) Inter connecting piping & instrumentation within the package.
- 3) Redundant PLC based local control panel for the package for safe area.

The process gas (combined produced gas & fuel gas) flow rate shall be between 6,870 kg/hr and 882 kg/hr, with an Operating pressure 0.2 Barg and Operating temperature in the range 67 - 70°C. The expected heat released in the range of 13 mmkcal/hr to 1.86 mmkcal/hr for heating production liquid circulated through heat recovery coil installed in this equipment to a maximum temperature of 95°C. The flow rate for production fluid through the heating coil varies from 25,454 barrels/day to 55,500 barrels/day within the production life, at an operating pressure of 23.6 Barg.

Special Qualification Criteria: Demonstrated track record of past supplies of similar thermal oxidizer with minimum operation of 8000 hrs in one year.

Only those bidders possessing substantial and proven track record in turn key supply of above Equipments/packages of similar scale should respond to this notice.

Bidders are requested, as a minimum, to submit the documents listed against serial no. 1 to 9:

1. Letter of interest with detailed company information.
2. Technical Catalogue of the Equipment/packages.
3. Lists of similar supplies successfully executed in the last three years and those of currently under execution with delivery performance records, job value, client certification, client contact references etc. (With particular emphasis on work carried out in Oil and Gas sector).
4. Company's manufacturing set up with Capacity details and Geographical location.
5. Current Shop floor loading chart.
6. Experience pertaining to mechanical design software packages such as PVElite/COMPRESS/CODECALC and HTRI, wherever applicable.
7. Quality assurance/control practices and certifications to manufacture such item/packages.
8. Health, Safety and Environment (HSE) policies, certifications, procedures and statistics on HSE performance covering the last 3 years.
9. Company's financial performance documents (Audited Balance sheets and Profit and Loss statements etc.) for last 3 years.

In addition to the above requested document, bidder shall also submit credentials to support the specific qualification criteria for each package

CEIL requests interested bidders to submit their Expression of Interest for the any / all of the above packages clearly specifying the package name with item description along with pre-qualification documents to the below address within ***fourteen (14)*** days of publication of this EOI by email as attached PDF File and via courier to:

Director - P&SCM
Cairn Energy India Pty Limited
Ground Floor, Tower A, Paras Twin Tower, Sector Road
Sector 54, Gurgaon -122 002 (Haryana), India
Tel.: 0091-124-476 4000 Fax : 0091-124-476 4568
Contact E-mail: prabal.sanyal@cairnindia.com