



Energy for India
CAIRN INDIA LIMITED

EXPRESSION OF INTEREST (EOI) FOR PIGGING SERVICES AT INTERFIELD PIPELINES IN RAJASTHAN, INDIA

Cairn India Ltd. ("CIL") is the Operator on behalf of its Joint Venture Partners namely Cairn Energy Hydrocarbons Limited and Oil and Natural Gas Corporation (ONGC) for the Contract Area RJ-ON-90/1 at Barmer in the State of Rajasthan (Block). The 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. Mangala Processing Terminal (MPT) is the common processing hub for Mangala, Bhagyam, Aishwariya and other smaller fields.

Cairn regularly carries out pigging of its interfield and intrafield pipelines for regular cleaning as part of pipeline integrity programme. The Mangala Injection water and power fluid main trunk line and RGT to MPT gas and condensate lines are provided with sectionalizing full bore ball valves at a regular interval for the safety measures.

CIL seeks Expression from suitably experienced contractors to meet the pigging resource requirements. CIL intend to award a two years contract for the complete activities of periodic pigging viz. man power for pigging, supply and maintenance of pigs, movement of man and material, maintaining required spares for the pigs and carry out replacement of parts and cleaning activity for its Mangala, Bhagyam, Raageshwari and Aishwarya interfield hydrocarbon and water pipelines.

Contractors meeting the following requirements are eligible to apply:

- The contractor should have executed similar kind of services for Oil & Gas.
- Details of Organogram along with managerial, supervisory, skilled manpower and available other staff to manage the contract.
- Undertaking of the agency confirming the availability of the adequate manpower of requisite qualification and experience along with minimum required size and stock of pigs for deployment at CIL, Rajasthan job sites.
- 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;
 - The Average annual Turnover based in the last 3 audited/Financial statements. Bidder average turnover in last 3 years shall be at least US \$ 1.3 MM (I.e. 2011-12, 2010-11, 2009-2010).
 - Bidder's net worth should be positive.

In brief, the scope of work shall include:

Services included but not limited to the following:

Contractor shall provide skilled work force as per **Annexure-II** along with the required resources necessary to carry out pigging of its interfield and intrafield pipelines for regular cleaning as part of pipeline integrity programme of CIL across various Rajasthan assets as per the schedule of rates for individual segment of pipelines without any additional cost to CIL.

Contractor shall supply suitably qualified skilled work force comprising supervisors, operators and helpers along with required pigs, tools, tackles and vehicles.

Annexure I: INVENTORY HOLDING

Types of pigs and associated spares to be maintained as stock.

Notes:

- 1) Minimum stock of new pigs to be finalized later based on pigging schedule.
- 2) All the pigs and spare materials should be designed to handle high pressure (up to 215 bar) and high temperature (up to 90 deg C) fluids.
- 3) Contractor to identify and provide list of number of types of spares to be maintained at location.

S. No	Type of pig	Size	Minimum Quantity
1	Foam pigs (High density Polyurethane foam, elastomer coated)	4", 6", 8", 10", 12", 16" 18", 20", 24"	
2	Bi-directional cleaning pigs (with cups, disc and brush)	4", 6", 8", 10", 12", 16" 18", 20", 24"	

SKILL SET REQUIREMENT- ANNEXURE-II

1. Operator Staff with minimum 5 years' experience in pigging operations in oil and gas industry to be provided.
2. Site Supervisor should have minimum 8 years' experience in various types of pigging operations with hydrocarbon in-service lines.
3. They should be conversant with standard industry practices, procedures and about the risks and hazards associated with the activity.
4. The personnel should be knowledgeable to identify the defects and failures in the pigging tools and should be experienced in the carrying out maintenance of pigs
5. The contractor shall ensure that the manpower deployed are highly skilled and can independently work as per requirements of CIL.

CIL requests interested bidders to submit their Expression of Interest (EOI) along with associated backup documents as applicable and submit the listed documents within 14 calendar days of publication of this EOI to:

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