



**Energy for India**  
**Cairn Energy India Pty Limited**  
**EXPRESSION OF INTEREST FOR**  
**4D(2C) OBC MARINE SEISMIC DATA PROCESSING SERVICES**

Cairn Energy India Pty Ltd. ("CEIL") is the Operator of the Ravva offshore block Area in India. The Ravva Contract Area lies just off the coast of Andhra Pradesh, East Coast of India and covers a producing field. As part of ongoing development and exploration on the offshore block for this Contract Area, CEIL wishes to process the 280 sq km of OBC seismic acquired in year 2000-01(base survey) and OBC seismic data acquired in year 2009 (monitor survey) through 4D simultaneous processing sequence as the preferred technique.

CEIL seeks expression of interest (EOI) from suitably experienced OBC seismic data processing contractors for the work which broadly encompasses the following:

- Implementation of high quality processing with provisions for pre-stack migration and special focus on time-lapse data conditioning.
- Designing appropriate matching filters to be applied on any or both data sets to synchronize reflection times and normalise phase, amplitude and other attributes desirable for time-lapse studies.
- Processing of monitor data for high resolution, relative amplitude preserved pre-stack migrated reflectivity imaging, wide azimuth processing (if required) taking full advantage of currently available technological advancements, to assist exploration studies in the block area.

With this EOI, CEIL intends to short list names of experienced Seismic processing Contractors to invite them to bid for the 4D (2C) OBC seismic data processing services.

Contractors must have proven experience in similar types of seismic processing, and shall have sufficient personnel, equipment, management and organisational processes to conduct the work. The Contractor shall be able to demonstrate full understanding of internationally accepted Health, Safety and Environmental practices, procedures and policies. Only companies who can comply with these requirements and who can demonstrate a successful track record, listing projects, clients and client contacts who may be approached, should respond to this notice.

Contractors are requested, as a minimum, to submit the following documents and details:

1. Lists of similar work successfully executed in the last three years and projects currently under execution.
2. Personnel details including bio-data of key personnel.
3. Software and Hardware details.
4. Lists of policies, procedures and quality assurance practices currently in place for the execution of similar work.
5. Health, Safety and Environment policies, procedures and statistics covering the last 4 years
6. Corporate financial details.

Interested Seismic Contractors who can fulfil all of the specifics listed above are invited to submit their response including the details and references stated above, within 10 days of publication of this EOI.

The envelope shall be superscribed with "**RAVVA 4D OBC Seismic Data Processing Services**" and shall be addressed to:

Deputy General Manager – Contracts and Procurement  
Cairn Energy India Pty Limited  
3<sup>rd</sup> and 4<sup>th</sup> Floors, Vipul Plaza, Suncity, Sector-54  
Ph: +91 124 414 1360 Fax: +91 124 288 9320  
Email: [Pr.Krishna@cairnindia.com](mailto:Pr.Krishna@cairnindia.com)  
[www.cairnindia.com](http://www.cairnindia.com)