



## **CAIRN ENERGY INDIA PTY LIMITED**

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

### **GLOBAL EXPRESSION OF INTEREST / PRE-QUALIFICATION FOR PROVISION OF OFFSHORE INDEPENDENT LEG JACK UP /MAT SUPPORTED DRILLING UNITS , VARIOUS DRILLING/COMPLETION/MARINE SERVICES AND TANGIBLES : BLOCK :RAVVA**

Cairn Energy India Pty Ltd. (“CEIL”) is the Operator of the Offshore Ravva block located in the East Coasts of India. CEIL is planning to commence drilling campaigns in Ravva block from Q42012.

CEIL seeks an Expression of Interest under international Competitive Bidding (ICB) procedures from suitably experienced drilling rig and services contractors who wish to receive Tender Documents to provide services in support of the drilling campaign in Ravva offshore block. Only Contractors who have a minimum of five years experience in providing the below mentioned Services, any or a combination of, in support of an offshore Drilling campaign shall be considered.

#### **Specifics**

Only those Contractors who can comply with all of the following and can, by their submission, demonstrate a successful track record, listing previous projects, current Services projects in progress, clients, and client key contacts who may be approached, in each of the areas below should respond to this Notice. The Contractor must submit details for the following:

- Organisational outline proposal detailing their nominated management, staff, and business process support to carry out an Offshore Drilling campaign for all types of wells.
- A demonstrable capability to mobilise and commence work to meet CEIL’s schedule. The Contractor’s experience in mobilising on schedule shall be clearly stated.
- Particular experience of providing Services in offshore Drilling operations and flexibility to accommodate CEIL’s programme is paramount.
- The Contractor shall submit details of his Management, Operating and Maintenance schemes with copies of their certification.
- A willingness to develop a close long term relationship with CEIL.
- The Contractor must demonstrate that they have sufficient financial standing to commence and continue an operation of this magnitude.
- Have an appropriate comprehensive Health, Safety and Environmental management system in place which promotes, aligns with and upholds CEIL’s and the Contractor’s HSE commitments. Details and copies of their certification must be submitted.
- Audited financial statements for the last three years

## **Drilling Programmes and Requirement**

### **A. Block: Ravva(LO110 Prospect) : Drilling Programme**

Firm wells: One : Approx. 85 days

Optional Wells: Two ; Duration : Approx. 85 days each

Well type: HPHT Exploration well

Water Depth: 10 to 20 m

Estimated Bottom hole Pressure: 12,500 psi

Estimated Bottom hole Temperature: 225 deg C. (437 deg F)

Hydrocarbons expected: Oil / Gas / Condensate. CO2: 3 – 4 %

Planned Commencement: During Q4 2012/Q12013

### **B. Block: Ravva(LO110 Prospect) : Requirement**

#### **B.(i) Drilling Unit**

Independent leg jack up Drilling unit with following minimum specification

- Rated Drilling capacity 6000m well depth.
- Rotary table opening 37 ½”.
- 1,500,000 hookload capacity & 45000 ft-lbs continuous drilling torque.
- Draft at load line less than or equal to 22 ft.
- Spud can diameter 46 ft.
- Mud gas separator capacity - 15 MMscf.
- Capability to drill with, handle and store synthetic oil based mud.
- Mud capacity – 4000 bbl, Base oil 800 bbl, Brine – 800 bbl and above
- 15,000 psi BOP stack, choke manifold and high pressure lines.
- Mud Pumps – 3 nos rated to 7500 psi, 2200 HP ea.
- 7500 psi Stand pipe manifold.
- Bulk – Barite / Bentonite – 400 MT, Cement – 300 MT
- Cementing unit 15000 psi.
- Accommodation – 110 personnel
- Drilling mode variable deck load – 7000 kips
- Diverter
- 18 ¾”, 15000 psi BOP, optional

- Conductor tensioners support bracket 200 MT

Drilling units with recent experience of drilling HPHT wells and Managed Pressure Drilling operation will be given high priority.

#### B (ii) Services and Tangibles

The Contractor shall submit his response to this Expression Of Interest stating which of the following Services he wishes to be considered for inclusion on the bid list(s). In addition the Contractor shall indicate which, if any, Services he would be willing to bid for on a Bundled basis.

Services for HPHT requirement – To demonstrate recent experiences of operating equipment in HPHT environment, for estimated bottom hole pressure of 12500 psi and estimated bottom hole temperature of 225 deg C

1. Directional Drilling, MWD/LWD and deviation monitoring services
2. Wireline logging Services – Open and cased hole
3. Cementing equipment and chemicals
4. Mud logging Services
5. Drilling, Completions fluids and engineering services
6. Surface Well testing including water cooling system
7. Cased hole DST and Downhole equipment and services
8. Rental DST test string
9. Tubing conveyed perforation services
10. Solids Control, Filtration, Centrifuge, Cutting dryer, Mud coolers, SBM cutting processing/ disposal services
11. Drilling and Fishing tools services, 18 ¾”, 15000 psi BOP on rental basis
12. Wellbore clean out tools services
13. MPD equipment and Personnel services – Optional
14. Pre-drill & Real time Pore pressure prediction services
15. Coring Services
16. Core handling, preservation and analysis services
17. Bottom hole Sampling
18. SCBA services in case of prognosed H2S (optional)
19. Rental wellhead equipment (optional)
20. Sand control services (optional)
21. X-mas trees on rental

Tangibles – To demonstrate recent experiences of providing equipment in HPHT environment

22. Supply of Liner Hanger equipment, accessories and personnel
23. Supply of Drilling bits, Hole openers - Under reamers / Roller reamers.
24. Supply of Wellheads, Mud line suspension and personnel.
25. Supply of Casing and Tubings
26. Expandable 11 ¾” & 9 5/8” - Optional

27. Supply of Casing Accessories
28. Sand control consumables (optional)

#### Other Independent Services

29. AHTS – Supply vessels and offshore supply barges
30. Rig Positioning & Site Survey Services
31. Casing & Tubing running services including Hammering services
32. Hydraulic Bolt Torquing & Cold Casing Cutting Services
33. Weather Forecasting Services
34. Supply of Fuel
35. Supply of Water
36. Communication equipment and services
37. Tubulars Inspection Services
38. Supply base, warehouse, labor, crane, forklift, trailers and Dedicated Jetty Facilities
39. Local logistics
40. Outstation Transportation Services
41. Clearing and Forwarding Services
42. Oil spill contingency services

#### C. Block Ravva (By pass wells): Drilling Programme

Water Depth: 0-25mtrs

Firm wells: Two wells; Total Duration: Approx.50 days

Optional Wells: Four: Total Duration: Approx.100 days

Planned Commencement: During Q1 2013

#### D. Block Ravva (By pass wells): Requirement

##### D (i) Drilling Unit

Provision of drilling rig with either of the following options:

- a) Mat supported cantilever type
- b) Mat supported slot type

The rig shall be capable of operating in water depths between 7 to 30 metres. The rig shall have a minimum of 240 feet of usable clear leg length below the hull.

##### D (ii) Services and Tangibles

The Contractor shall submit his response to this Expression Of Interest stating which of the following Services he wishes to be considered for inclusion on the bid list(s). In addition the Contractor shall indicate which, if any, Services he would be willing to bid for on a Bundled basis.

Services comprise, inter alia, the following:

1. AHTS ,Supply Vessels and Offshore Supply Barges
2. Directional Drilling, MWD, LWD & Deviation Monitoring services
3. Wireline Logging Services
4. Casing, Tubular and Completion handling (make-up and running) services
5. Cementing Services
6. Drilling Tools, Fishing Tools & Services
7. Mud Logging Services
8. Drilling and Completion fluids and Mud Engineering
9. Solids Control, Filtration, Centrifuges and SBM cuttings processing / disposal
10. Cased Hole DST and Subsea services
11. Well Testing (Surface test equipment and services)
12. Tubing Conveyed Perforation Services
13. Bottomhole sampling services
14. Hydraulic Bolt Torquing & Cold Casing Cutting Services
15. Rig Positioning & Site Survey Services
16. Coring Services
17. Well bore cleanout services
18. Sand Control Services
19. Core Handling, Preservation & Analysis services
20. Weather Forecasting services
21. Third Party Inspection of Tubulars services
22. Supply Base and Dedicated Jetty Facilities
23. Clearing and Forwarding Services
24. Supply of Liner Hanger Equipment & Accessories
25. Supply of Drill Bits
26. Supply of Casing Accessories (Float equipment & accessories)
27. Supply of Wellheads
28. Supply of Casings & Tubing
29. Supply of Completion Equipment

Interested Contractors who can fulfil all of the Specifics listed above must submit their response including the details and references stated above, in writing and by e-mail not later than 10 (ten) days from the date of this publication. **Please also state clearly the drilling programme (LO110 HP-HT /By Pass oil wells) particular service / services from the list above (e.g. 1 – Provision of AHTS) on the envelope. The envelope shall be superscribed with “Provision of Drilling Rig and various services: Block Ravva - Prequalification 2012” and shall be addressed to:**

**Director – Procurement and Supply Chain  
Management**

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