



ऑयल इंडिया लिमिटेड
 (भारत सरकार का उद्योग) पंजीकृत कार्यालय: मुंबई, भारत
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GLOBAL EXPRESSION OF INTEREST

EOI REF. NO.OIL/CEMG/CY/EOI/012 /2014

DT. 15.05.2014

LAST DATE OF SUBMISSION : 17 :00 HRS (IST) OF 17.06.2014

Sub: Notice Inviting “Expression of Interest”(EOI) for provision of services for Drilling Services and Tangibles (Subsea Wellhead and Services) in Deepwater block off Gulf of Mannar (CY-OSN-2009/2)

1.0 Introduction

Oil India limited (OIL) is a premier National Oil Company engaged in the business of Exploration, Production and Transportation of Crude Oil and Natural gas. A *Navratna* Company under the Ministry of Petroleum and Natural gas, Government of India (GOI), it is the second largest national oil and gas company in India as measured by total proved plus probable oil and natural gas reserves and production.

OIL was awarded the Cauvery offshore block CY-OSN-2009/2 (area: 1621 km²) under NELP VIII bidding round with 50% Participating Interest as Operator and Oil and Natural Gas Corporation (ONGC) with 50% Participating Interest in the Gulf of Mannar. The Production Sharing Contract (PSC) was signed on 30th June 2010 and the Petroleum Exploration License (PEL) was granted on 2nd August, 2010 by the Government of India.

OIL has a firm program of drilling two (2) firm wells and one(1) optional well in the above block. As per preliminary interpretation, the expected water depth of the prospective wells may vary from **400m to 900 meters. Expected timeline to spud the first well is by beginning of Q2, 2015-16.**

OIL (referred to as **Company in the EOI**) hereby invites Expression of Interest from experienced and reputed prospective **Bidders** to offer the services as enumerated under Groups.

2.0 PREQUALIFYING CRITERIA :

2.1 Vendor must have 10 years experience in manufacturing and supplying Sub-sea Wellheads, wellhead components and running tools and services, and should have manufactured and supplied minimum of 5 sets of 10000 psi (10M) Sub Sea well head systems to

Oil and Gas companies during the last 5 years to reputed Operators / E&P companies for the deepwater environment in the water depth range as defined. Period in this regard shall be reckoned prior to the schedule closing date of submission of this EOI.

2.1.1 Documentary evidence in respect of the above should be submitted in the form of copies of relevant Purchase Orders along with copies of any of the documents in respect of satisfactory execution of each of those Purchase Orders, such as - (i) Satisfactory Inspection report (OR) (ii) Satisfactory supply completion , Installation report (OR) (iii) Consignee Receipt Delivery papers (OR) (iv) Central Excise Gate Pass / Tax Invoices issued under relevant rules of Central Excise / VAT (OR) (v) any other documentary evidence that can substantiate the satisfactory execution of each of the purchase orders cited above.

2.2 Bidder should have well defined and documented QHSE policies/procedures to ensure quality and safe work performance during the operations. Bidder required to provide brief on Health, Safety, Environment and QA/QC systems followed in the last five years (**Appendix 3**).

2.3 Bidder should have adequate capabilities, resources and personnel to provide and execute required services. Bidder is required to provide details of work in hand and past contract details (**Appendix 1 & 2**).

2.4 Bidder should have their own in-house design and manufacturing setup to supply & execute required services to support operations of deep water rig as per API and other relevant guidelines.

2.5 Bidders make themselves aware of the Indian regulatory requirements that apply to carrying out the scope of work with respect to licenses, and other applicable rules for carrying out the work; Bidder with knowledge of the area of operations and by its independent observations and enquiries to have fully informed and satisfied itself as to the nature of the area of operations, means of access, local facilities, climatic conditions, labour conditions and practices, local terrain conditions, local logistical requirements, any and all security, fire, safety explosives or other regulations, permissions which may affect the execution of the Works, all environmental concerns and conditions, the nature, extent and practicability of the Works and all matters whatsoever affecting in safe carrying out of the broad Scope of Work indicated. (**Block details and tentative well details are given in Annexure - 1**).

2.6 **Financial and other criteria:** Bidder's net worth during the last 3 years shall be positive. Audited financial statements for the last three years are required to be submitted. Bidders who themselves do not meet the above net worth criteria can also be considered provided that the net worth of the ultimate / holding parent company in the last 3 financial year shall be positive. Copy of the latest published Audited Annual Report to be submitted by the ultimate / holding parent company.

3.0 Broad Scope of work: Subsea Wellhead Equipment and Services

3.1 Bidder to provide subsea well heads with following broad specifications and experienced Service Engineer and running tools including drill-ahead tool and services as per operational requirements suitable for deepwater environment and for the water depth range as defined including, but not limited to, the following:

3.1.1 18-3/4", 10000 psi, Wellhead system (H-4 Connector profile) suitable for guide base operations from an anchored drill ship / semi-submersible in the water depth of 400 - 900 m. The system should have flexibility to be used for Guideline less operations from an anchored

drill ship / semi-submersible in the water depths up to 900 meters.

3.1.2 Wellhead system shall also be designed for compatibility with Sub-sea completion system and shall be able to withstand the loads those are exerted during the installation & commissioning of a Sub-sea Tree completion system including flow lines tie-in.

3.1.3 The wellhead system shall meet or exceed API 17D & 6A PSL3 requirements and shall be suitable for sour service conditions as per NACE MR-01-75. The wellhead metallurgy shall be class EE as per API 17D/6A.

3.1.4 Running tools to be cam actuated for low pressure and high pressure housings. Casing hanger and pack-off tools to be actuated/assisted with pressure under BOP stack in single trip to run hanger, set annulus seal and pressure test. Optional tool to utilize weight set design to energize seal with application of weight down. Bidder is required to indicate the detailed technical methodology for all phases of well head operations and installation and subsequent operations till plug and abandonment as per its existing and field tested capabilities.

3.1.5 There shall be a hydrate seal between high pressure and low-pressure housing. Annulus Sealing shall be metal to metal. Casing hangers to be rated to 10,000 psi working pressure above casing connection at the casing hanger. Casing hanger design/profile shall accommodate debris accumulation and permit debris to be displaced from the well bore during circulation/cementation (Bidder to give the clearances of the system proposed).

3.1.6 The casing hanger running tool shall be able to run hanger, set annulus seal & pressure test in single trip. Pressure testing of BOP shall not require retrieval of wear-bushing or nominal seal protector. Bidder to indicate its inventory and technical literature on intermediate casing(contingency) string like 16" and others and its proposed solution as per the product line and inventory.

In addition to the above broad outlines of the Wellhead system, Bidder to provide, along with the EOI, complete suite of Wellhead system components like PGB/TGB, GRA, Mud Mats, Casing Hangers and seal assemblies (including contingent casings and other requirement, as per standard Deepwater drilling wellhead system as a whole, as described in the attached brief and tentative well details), BOP testing tools, Corrosion caps and other associated equipment, systems, components normally used in Deepwater drilling applications.

Bidder is requested to provide details of systems, components which are deemed fit , required or any other suggestions in terms of latest marketed and adequately tested technology / Time saving for OIL.

Note: Bidder to indicate availability/scope/technical capabilities of its 18-3/4" X 15000 psi Wellhead system and accessories for Deepwater campaign in the water depth range as defined.

- (i) Bidder to indicate availability, scope, technical specifications and capabilities of its 18.3/4" x15000psi well head system and accessories for deep water campaign in water depth range as defined here.
- (ii) Company intends to use structural pipes for its top hole section drilling. Bidders to indicate its speciality multi star/ Quench joint normally used in offshore deepwater drilling and optionally whether the Bidder could supply Range II structural casing with speciality Connector welded

3.1.7 Installation and Test Tools and Spares: All required tools to support the wellhead system. Bidder required to indicate the methodology for determination of its equipment, spares with respect to Consignment basis/Rent-free/Standby/ Use or Return others as per standard Industry practices.

3.1.8 Service Personnel: Bidder shall be responsible for supervising the installation of the Wellheads systems at offshore as per OIL drilling programme. The scope of operations shall include pre-installation inspection , testing at OIL's shore base, prepare equipment and tools for offshore shipment, receipt of goods offshore, visual inspection, deck and pre-installation testing if any. Bidder to provide indicative profile its service personnel offshore and experience along with the EOI.

3.1.9 Technical Manager: OIL would also require, Bidder to provide (if awarded the LOA) one Technical Manager with adequate experience to provide technical support to offshore wellhead related operations, and as & when required by OIL or any operational contingencies, visit offshore Rigs to support the operations.

3.1.10 Bidder to propose methodology and tools tackles inventory for different phases of drilling and to provide historical Mean Time between Failure (MTBF) statistics of each tool and Equipment provided along with the proposed servicing or refurbishment schedule. Bidder also required to provide technical and operations manuals with Audio-visual aids in respect of major Equipment and services like Temperature rating, compatibility with LTSOBM and WBM mud systems and other pertinent and relevant technical requirement and limitations. Bidder is requested to include any other tools and services which Bidder deems required or suggests in terms of latest Marketed Technology and Time saving for Company.

3.1.11 Bidder is requested to provide minimum two (2) soft copies of comprehensive Installation, Operating and Maintenance Manuals for all equipment in its suggested scope of supply. These shall include:

- Detailed as assembly and sub-assembly drawings and material required to operate, install, strip-down, maintain and optimally run and service all system components and installation tooling.
- Technical datasheets including all equipment operating ranges and capacities, weights and overall envelope sizes.
- Stack up and sequence drawings for all stages of installation, including key interface details and sizes.
- ROV tooling accessibility drawings for all ROV operated interfaces for all equipment.
- Installation, Retrieval and Operating Procedures, including pre and post operational checks and tests, in sufficient detail to be followed as SOP (Standard Operating Procedures) on the offshore rigs.
- Assembly and disassembly, maintenance & storage procedures for all equipment.
- Spares and Consumable Lists for the Bidder's proposed wellhead system and accessories.

3.1.12 Bidder to submit Organisational outline proposal detailing their nominated management, staff, and business process support to carry out an Offshore Deepwater Drilling campaign for all types of wells. Bidder to provide details of his Management, Manufacturing, Operating and Maintenance schemes with copies of their certification wherever applicable.

3.1.13 Bidders required to provide Details of Equipment proposed and average age of equipment/resources like Running Tools only proposed for the Company's Deepwater drilling programme.

3.1.14 Bidder to indicate realistic Mobilization period for tool and Equipment (including Manpower) from date of LOA.

3.1.15 Bidder is required to provide case histories / references of similar work done for the services applying for and including a complete inventory of tools/tackles and best practices in line with new technologies and new regulations for deepwater drilling. Track record of the offered Sub-sea Wellheads, covering the following details in the last 5 years:

- Water depth of installation
- Type of well Exploratory or Development Gas or oil wells
- Project name & Operator's name
- Quantity supplied & year of supply

3.1.16 Any other information which is relevant to the services and establish that Bidder is a competent equipment/material/service provider

Address for Communication

Interested Bidders are requested to visit our website www.oil-india.com for further details on the above and submit their Expression of Interest latest by 17.06.2014 till 17:00 Hrs (IST) to the following address :

**General Manager (CMC)
For Sr. Manager (C&P) (CEMG)
Oil India Limited, FC-24, 5th Floor,
IT Infrastructure Building, Sector-16A,
NOIDA-201301 [email ID: cemg_c&p@oilindia.in:rupakkalita@oilindia.in]**

For any technical clarifications, interested Bidders may contact:

**Mr. Ghana Gogoi
Head-CEMG(Project)
Oil India Limited, FC-24, 5th Floor,
IT Infrastructure Building, Sector-16A,NOIDA-201301
e-mail id: ghana_gogoi@oilindia.in**

Appendix 1

Current and Potential workload: Please fill up the following table with relevant data and documentary evidence

Client/ Project/ Nature of service	Progress as on date of submissio n of EOI	Contract value Million USD	Type of activity	Peak man power	Role	Award date	Planned Completi on date	Was the mobilizati on time and as scheduled	Major down time and reasons

Appendix 2

Past Contract Details: Please provide the past 5 years contract details in the following format with documentary evidence where ever required.

Client/ Project/ nature of services	Mobilization date vs contractual mob date	Contract value Million USD	Type of activity	Peak man power	Role	Award date	Planned completion date vs Actual completion date	Was the Bidder ever blacklisted due to bad performance/ non mobilization/ non adherence to any Operator's contractual terms and conditions/ breach of contract

Appendix 3

Documentary evidence showing that the Bidder has a comprehensive Quality, Health, Safety and Environmental management system in place which demonstrates adherence to Bidder's QHSE commitments and Regulatory requirements.

Bidder required to provide a brief with copies of certification wherever applicable need to be submitted covering, but not limited to, the following salient features:

1. The Bidder's Quality Management System and Procedures
2. Process Safety Information and Hazard Analysis – at workshop and on Rig and other work areas
3. Standard Operating Procedures
4. Training and Competence standards
5. Management of Subcontractors
6. Equipment Integrity standards
7. QA/QC standards and procedures
8. Audit and Review

Annexure 1
PROPOSED DRILLING SCHEDULE :

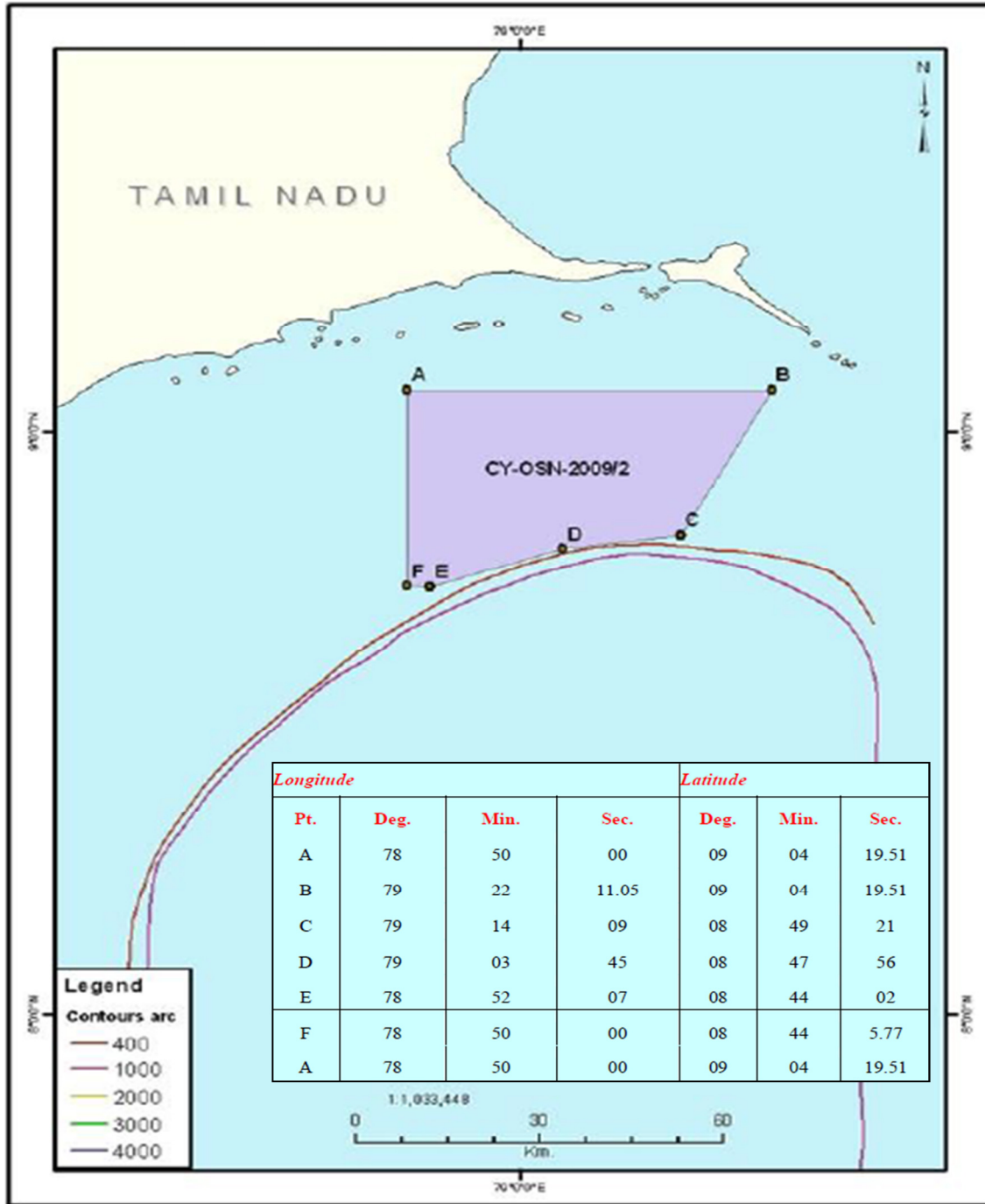
Block	CY-OSN-2009/2
Likely commencement date	Beginning 4 th Quarter 2014
Drilling Programme	OIL has a firm program of drilling two (2) firm wells and one(1) optional well.
Water Depth Range	400 to 900 meters
Drilling Depth	Average 5500 meters Below Mud Line (BML)
Pressure and Temperature	Preliminary studies indicative of Normal Pressure and Temperature regime
Supply Base	At this point of time, Tuticorin on the East coast is being studied. However, the base/s could be anywhere in the East coast to provide services to save time.

PROVISIONAL WELL DETAILS

Planned exploratory wells in the block are expected to be vertical wells. The wells will be drilled from independent locations. The tentative casing scheme for the wells is indicated below:

Casing	Hole Size (in)	Size (in)	Weight (ppf)	Grade	Connection	Depth (m)
Conductor	Jetted	36"	533	X56	RL4/D90	+/- 80m BML
Surface	26"	20"	133	X52	RL4/D90	+/- 500m BML
Intermediate	20"	16"	94.5	L80	Hydril/ Premium	+/-1150m BML
Intermediate	17.1/2"	13.3/8"	68/72	L80/P110 /Q125	BTC/Premium	+/-2200m BML
Intermediate	14.3/4"	11.3/4"	60/65/71	L80/P110 /Q125	Hydril/Premium	+/-2700m BML
Production	12.1/4"	9.5/8"	47/53.5	L80/P110 /Q125	Premium	+/-4500m BML
Liner	8.1/2"	7"	29	L80/P110 /Q125	Premium	+/-5200m BML
6" Contingent Hole	6"	4 1/2"	12.6	L80/P110 /Q125	Premium	5500 m BML

Block Details



INDEX MAP OF BLOCK CY-OSN-2009/2

End of EOI