



ऑयल इंडिया लिमिटेड
(भारत सरकार का उद्यम)
Oil India Limited
(A Government of India Enterprise)

Conquering Newer Horizons

NEF Project, P.O.- Duliajan, Assam, India



NOTICE INVITING GLOBAL EXPRESSION OF INTEREST (EOI)

For

SHORTLISTING OF CONTRACTORS FOR HIRING (I) MUD LOGGING AND
(II) MUD ENGINEERING SERVICES FOR DRILLING OF EXPLORATORY WELLS
IN NELP - VI BLOCK IN MIZORAM

OIL INDIA LIMITED (OIL), a Government of India "NAVARATNA" category Enterprise, with its Headquarters at Duliajan, Assam, India, engaged in the business of Exploration, Production & Transportation of Crude Oil & Natural Gas and Production of LPG has planned to drill Exploratory Wells in NELP-VI block: MZ-ONN-2004/1 in the state of Mizoram, India.

Therefore, OIL intends to shortlist Firms/Contractors/Service Providers meeting the prequalification criteria for issue of Tender Documents inviting bids to hire the following services in connection with drilling of exploratory wells in Mizoram:

Srl. No.	EOI Ref. No.	Brief Description of Services
1	OIL/NEF/GLOBAL/ EOI/09/2012	Mud Logging Services for an initial period of two (2) years with a provision for extension by one more year for onshore exploratory drilling operations of oil/gas wells (well depth ranging from 4000m to 5500m) with the help of a 2000 HP Drilling Rig, in fold belt area and hilly mountainous terrain involving difficult logistics in the state of Mizoram in India under NELP block (MZ-ONN-2004/1).
2	OIL/NEF/GLOBAL/ EOI/10/2012	Mud Engineering Services including design & formulation of mud program and supply of complete line of Mud & Completion Chemicals (including procurement, transportation etc) at Rig site for drilling two (2) exploratory wells (4000m to 5500m target depth) in fold belt area and hilly mountainous terrain involving difficult logistics in the state of Mizoram in India under NELP block (MZ-ONN-2004/1).

Notice inviting the Expression of Interests (EOI), scope of work, pre-qualification criteria and other requirements for each of above EOI are displayed on the notice board in the office of NEF Project, Oil India Limited at Duliajan, Dist.- Dibrugarh, Assam-786602, India. The same is also available at OIL's website: www.oil-india.com. Alternatively, it can be obtained from the office of Head - NEF at the above address. Ph: 91-374-2800405, Fax: 91-374-2801799, E-mail: nef@oilindia.in

Interested parties/contractors/firms meeting the prequalification criteria are invited to submit their EOI together with required documents to reach the office of **Head-NEF at the above address latest by 21st February, 2012 (Tuesday) till 15.00 Hrs. (IST)**.

OIL reserves the right to (a) accept or reject any/all EOIs submitted by parties (b) cancel the process at any time without any liability and assigning any reason thereof.

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OIL INDIA LIMITED
(A Govt. of India Enterprise)
NEF PROJECT
P.O. Duliajan-786 602(Assam)

Sub: - Expression of Interest (EOI)
(EOI NO. :OIL/NEF/GLOBAL/EOI/10/2012)

MUD ENGINEERING SERVICES

OIL INDIA LTD (OIL), a premier public sector undertaking of Govt. of India engaged in exploration, production & transportation of hydrocarbons invites EOI from reputed and established E & P service providers meeting the prequalification criteria as mentioned below for empanelment /short listing of contractors for issue of tender documents for providing complete Mud Engineering Services including deployment of requisite manpower, equipment and supply of mud chemicals for drilling initially two (02) numbers of exploratory wells in the NELP block: MZ-ONN-2004/1 in the state of Mizoram.

1.0 PROJECT INFORMATION

As per committed MWP to the Govt. of India, Oil India Ltd (OIL), being the operator in the above mentioned NELP block, has to drill 5(five) drilling wells within the stipulated time frame.

Mizoram has the most variegated hilly terrain in the eastern part of India with 21 hill ranges of different altitudes (maximum altitude of around 1800m and in general 900 m to 1200 m) with succession of long valleys running mostly from North to South covering the entire state. The hills are very steep and rugged with intervening deep gorges. Two major roads namely NH-54 and State Highway funded by World Bank run almost parallel to each other in North–Southern direction through the centre of the state as well as OIL's NELP block. Both the roads emanate from Aizawl and converge at Lunglei, the second largest town in Mizoram after Aizawl. These two highways will serve as the major feeders for any drilling locations within the NELP block. The roads are in hilly terrain full of sharp curves with steep gradient. The other connecting roads are narrow having sharp horizontal curves with steep gradient in many places.

Like all other states in North east India, Mizoram also experiences heavy rain during Monsoon which sets early i.e. from May onward. The average annual rainfall is 250 cm. Pre Monsoon showers are also frequent. During the period of monsoon there is frequent heavy rains resulting land slides which temporarily disruption of the road communication system. The summer is hot and humid and maximum temperature ranges from 30 to 34 degree centigrade during April to June. The winter is from November to January when the temperature remains between 12 to 25 degree centigrade.

2.0 GEOLOGY OF THE AREA

- 2.1 Assam - Arakan region, Mizoram, Manipur and Tripura have drawn the attention of exploration geologists ever since the discovery of Digboi and Makum oil fields of Upper Assam around 1890. The Badarpur oil field in Cachar district of Assam, presently abandoned, was discovered in 1901. This discovery followed a spate of other discoveries in Assam since Sixties of the last Century. Gas occurrence in Tripura is very relevant to the exploration of the region. Commercial gas in this state was discovered during the late seventies of previous century within the Surma sequence of Miocene age. Several other gas fields have also been found since then.
- 2.2 Cachar- Tripura- Mizoram fold belt constitutes a distinct part of Assam-Arakan tectonic system. Myanmar's Shan Plateau and the Ophiolite complex extend to the east of it. The Bangladesh flood plains are to the west. The Naga Schuppen belt of Assam forms the northern extreme and Chittagong hill track (Bangladesh) lies to the south of it.
- 2.3 The area of operation is a part of Tripura – Cachar – Mizoram fold belt of Assam Arakan Basin. The Mizoram fold belt is composed of tight linear folds with their axes almost in north-south direction. The intensity of folding increases from west to east where the rocks of Indian plate sub-ducted below the Burmese plate. The anticlines are long, narrow and tight, whereas the synclines are broad and gentle. As per the geological section of the area of operation, the area has Tipam formation exposed in the central part and Bokabil formation is exposed in the eastern and western part. The Bhuban formation is divided in three formations as Lower, Middle and Upper Bhuban formations. Lower Bhuban formation is mainly alternations of sandstones and shale. The Middle Bhuban consists of mainly shale with subordinate sandstones. The Upper Bhuban consists of alternations of sandstones and shales.

3.0 LOCATION OF THE AREA

The block: MZ-ONN-2004/1 is situated in the Mizoram state and covers an area of 3213 sq km. Aizawl is the Capital town of Mizoram and is connected to the other places by motorable roads and highways. The nearest railhead is at Bhairabi close to the border with Cachar district of Assam. Aizawl is linked by air to the rest of India, the nearest international airport being located at Kolkata in West Bengal. The proposed area lies in between the following broad coordinates:

Coordinates of Block MZ-ONN-2004/1

Points	Latitude (N)			Longitude (E)		
	Deg.	Min.	Sec.	Deg.	Min.	Sec.
A	23	40	00	92	32	54.85
B	23	00	00	92	35	58
C	23	00	00	93	00	00
D	23	40	00	93	00	00
A	23	40	00	92	32	54.85

4.0 BRIEF SCOPE OF WORK

The Contractor shall be required to provide mud service in totality. The scope of work includes but not limited to.

- Designing and formulation of mud program
- Mud engineering services.
- Supply of complete line of mud and completion chemicals
- Drilled solids management.

Additionally, the supply of chemicals (including its procurement and transportation etc.) to the drilling locations and carrying out laboratory analysis therein, will be the responsibility of the vendor. Because of difficult logistics, transportation has to be done in such a way that single consignment should not be more than 35 MT including the weight of the carrier. However, the vendor may decide about the length of the carrier.

5.0 SAFETY, HEALTH AND ENVIRONMENT :

- 5.1 The vendor shall have to comply with the applicable and prevailing provisions of Mines Act, 1952, OISD (Oil Industry Safety Directorate) guidelines and MoE&F (Ministry of Environment and Forest) directives
- 5.2 The mud engineers should have approved PPE as per international practice and perform duty in accordance with Contractor's own SHE policy. In addition to above the mud engineer and other contractor personnel at well site must comply with OIL's internal SHE policy if need be.

6.0 MANPOWER :

- 6.1 Vendor shall provide two (02) on-site mud engineers on 12-Hour shift basis at all times during the contract period. OIL may provide one experienced Mud Chemist stationed at site during all phases of operations. Mud Engineer should be fluent in English (written & verbal). Besides English, fluency in Hindi and any other local language will be an added advantage.
- 6.2 The Mud Engineer should have minimum educational qualification of Bachelor degree in Engineering / Science or equivalent. The Mud Engineer should have minimum five (05) years relevant experience as on the Bid Closing Date, out of which at least three (03) years in handling the proposed mud system independently in exploratory wells of more than 3500m depth.

7.0 PRE-QUALIFYING CRITERIA :

The Vendor must fulfil the following minimum pre-qualifying criteria for empanelment/ short-listing for issue of tender documents for hiring of Mud Engineering Services together with supply of mud chemicals.

- 7.1 Vendor should be in business of providing Mud Engineering Services for past five (05) years as on the Bid Closing Date.

- 7.2 Vendor should have provided Mud Engineering Services for minimum five (5) numbers of exploratory wells of which at least three (3) numbers of wells must be of more than 3500m depth each in the past five years preceding the Bid Closing Date. The vendor is required to submit documentary evidence of such wells.
- 7.3 Vendor's average annual financial turnover as per Audited Annual Reports during the last 3 years (ending 31.03.2011) shall be at least ` 5.70 Crores (or US\$ 1.07 Million).
- 7.4 The average net profit of the vendor as per the past three years audited accounts needs to be positive.

8.0 INFORMATION & DOCUMENTS :

- 8.1 Vendors must furnish the following in support of fulfilling all the above pre-qualifying criteria:
- (a) Rendering Mud Engineering Service experience of vendor – Statement to be furnished by vendor in a tabular form alongwith copies of contracts / work orders and completion certificates / payment certificates issued by the clients, as per format in **Annexure-I**.
 - (b) Financial turnover of vendor – Audited balance sheets / profit and loss accounts etc. as per format in **Annexure-II**.
 - (c) MOU or legally acceptable documents in support of tie-up arrangements, if any.
 - (d) Bio-data of Mud Engineers as per **Appendix-I**.
- 8.2 All documents submitted with the EOI must be self certified by the vendor's authorized person and duly notarised. However, OIL reserves the right to verify the original documents.

- Note :**
- (i) All the copies of document submitted alongwith the EOI should be clear and legible.
 - (ii) OIL INDIA LIMITED (OIL) reserves the right to physically check the original documents/certificates, copies of which are submitted alongwith the EOI.
 - (iii) The EOI is liable to be ignored in case of submission of any misleading/false representation by the vendor in the form of statements and attachments.
 - (iv) OIL INDIA LIMITED reserves the right to ignore any or all EOIs without assigning any reason thereof.
 - (v) OIL INDIA LIMITED reserves the right to curtail/enhance the scope of work stated above or cancel, if required, without assigning any reason thereof.

9.0. SUBMISSION OF EOI

The EOI together with the information/documents as mentioned above should be submitted in a sealed envelop superscribing “EOI for Hiring complete mud engineering services for NELP block in Mizoram” should reach the following address **on or before 21st February, 2012 (15:00 hrs - IST)**

Head-NEF
OIL INDIA LIMITED
Duliajan-786602, Assam, India
Ph: 91-374-2800405/2801799, Fax: 91-074-2801799,
Email: nef@oilindia.in Website: www.oil-india.com

If however the above date happens to be a Holiday / Bandh, EOI will be received up to the next full working day till 3:00 PM (IST). EOI may be sent by post/courier service or delivered personally at the tender box placed in the office of NEF Project, Oil India Ltd, Duliajan-786602, Assam. However, for the delay in receipt or non-receipt of the same, Oil India Ltd will not be responsible.

- 10.0 Oil India Limited reserves the right to (a) either accept or reject any / all EOI(s)
(b) cancel the process, without assigning any reason whatsoever.

Annexure - I

Experience Statement of Vendor

Mud Engineering Services

Sl No	Contract No	Name of client	Place of operation	Depth of wells	Mud system used	Down hole problem, if any and their solution	Commencement of contract	Completion of contract

N.B. : Please add rows in case of more experience.

Annexure - II

Financial Turnover of Vendor

Financial Year	Annual Turnover
2008-09	
2009-10	
2010-11	

Appendix - I

Designation:

Name:

Nationality:

Educational Qualification:

Sl. No.	Course completed	Passed out School/ College/ University	Year of Passing	Division/ Rank
01.				
02.				
03.				
04.				
05.				

N.B: Please add more rows if necessary.

Experience of the personnel:

Sl. No.	Client Name	Well Name	Well Depth (in meters)	Duration of Service (from-to)	Designation
01.					
02.					
03.					
04.					
05.					

N.B: If required, more rows may be added. Also specify other experience of the personnel relating to OIL/ other organization/ companies, if any.

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