Notice Inviting "Expression of Interest" (EOI) for 2 D & 3D-Marine Seismic data acquisition in M-4 and YEB offshore Blocks, Myanmar

1. Oil India Limited, a premier E&P Company of India, has been conducting seismic surveys for hydrocarbon exploration by engaging International Geophysical Service providers for such services.

2. In order to broaden the list of pre-qualified bidders, EOI is invited from globally reputed geophysical service providers for carrying out 2D & 3D-Marine Seismic data acquisition in M-4 (Moattama Shallow offshore basin) and YEB (Tanintharyi Shallow offshore basin) Blocks, Myanmar, during field season 2015-16. In order to get desired coverage under platforms / obstructions present in the area, additionally a source vessel (conventional) for undershooting may also be required.

With this EOI, OIL intends to finalize the scope of work for the ensuing tender and also shortlist vendors as pre-qualified bidders for the said survey.

3. The broad qualification criteria is as under:

a. The contractor shall necessarily be a geophysical service provider, having proven experience in marine seismic surveys and shall have sufficient personnel, equipment, small vessel for under shooting due to obstacle in the area, management and organizational processes to conduct 2D & 3D- marine seismic data acquisition.

b. The contractor should have experience of carrying out minimum 2000 LKM of 2D and 1500 Sq.Km. 3D marine seismic data acquisition during last 5 years. In this EOI contractor needs to provide the experience in connection to 2D & 3D marine seismic survey and broadband seismic survey separately.

c. Contractor who can demonstrate a successful track record should respond to this EOI by submitting the following documents and details. The documents submitted should be in English and legible.

Details of experience indicating area, volume, client, year and technology (data acquisition with conventional mode) deployed. The interested companies should produce documentary evidence of having carried out the said job in the form of respective contracts, along with documentary evidence in respect of satisfactory execution of each of those contracts, in the form of copies of any of the documents (indicating respective contract number /work order number and type of services), such as –

i) Certificate of satisfactory completion of work.
(OR)
ii. Proof of release of Performance Security after completion of the contract
(OR)
iii) Proof of settlement / release of final payment against the contract
(OR)
iv. Any other documentary evidence that can substantiate the satisfactory execution of each of the contracts cited above.

d. Experience of key personnel like Project Manager (Ten years), Seismologist (five years) / Geophysicist (Marine Operation Manager) (five years), Navigation Manager (five years), Quality Control (QC) (five years)& Safety Manager, Party

Chief(s) (eight years). The contractor needs to give a undertaking that they will provide such key personnel during the work.

4. List of vessels in the following format

Name of Vessel	Year of construction	No of Streamers	Max Streamer length (meters)	Streamer type (Solid/Gel/ Liquid)	Vessel availability during Mid January 16 to End June 16 May'16 (Yes/No)

Further, capabilities for undershooting in the areas where access is restricted due to platforms/rigs (i.e. provision of deploying additional source vessel) also be indicated.

5. Availability of crew for mobilization in Myanmar waters by **December/January** 2015/2016 should be mentioned by the contractor.

6. It is expected that the data acquisition of the given volume i.e. 1460 LKM of 2D and 640 Sq. km with acquisition parameters as mentioned at Annexure-I can be completed in one field season i.e. during mid- January 2016 to end June 2016. The contractors are required to confirm that they shall be able to complete acquisition work in the above schedule. In case contractor is not in a position to complete the work in the given schedule then alternate schedule (either by extending time frame or by suggesting optimum volume of work) may be provided with full justification.

7. The contractor should provide details of equipment available with the contractor such as cables, receivers, data acquisition system, navigation & positioning system, energy source Peak to Peak (P-P) strength, Primary to Bubble (P/ B) ratio, source signature, etc). The contractor should also provide the details of seismic vessels equipped with conventional and technology for QC processing.

8. Contractor profile along with audited financial statement for preceding three financial years may be provided for information.

9. List of policies, procedures (including the equipment replacement / up-gradation policy) and quality assurance practices currently in place for the execution of similar work.

10. HSE policies, procedures and statistics covering last 5 years.

11. Details of legal/court rulings against your company, if any, in last 5 years.

12. Undertaking that no contract with OIL was terminated in the last 5 years due to non-performance / unsatisfactory performance

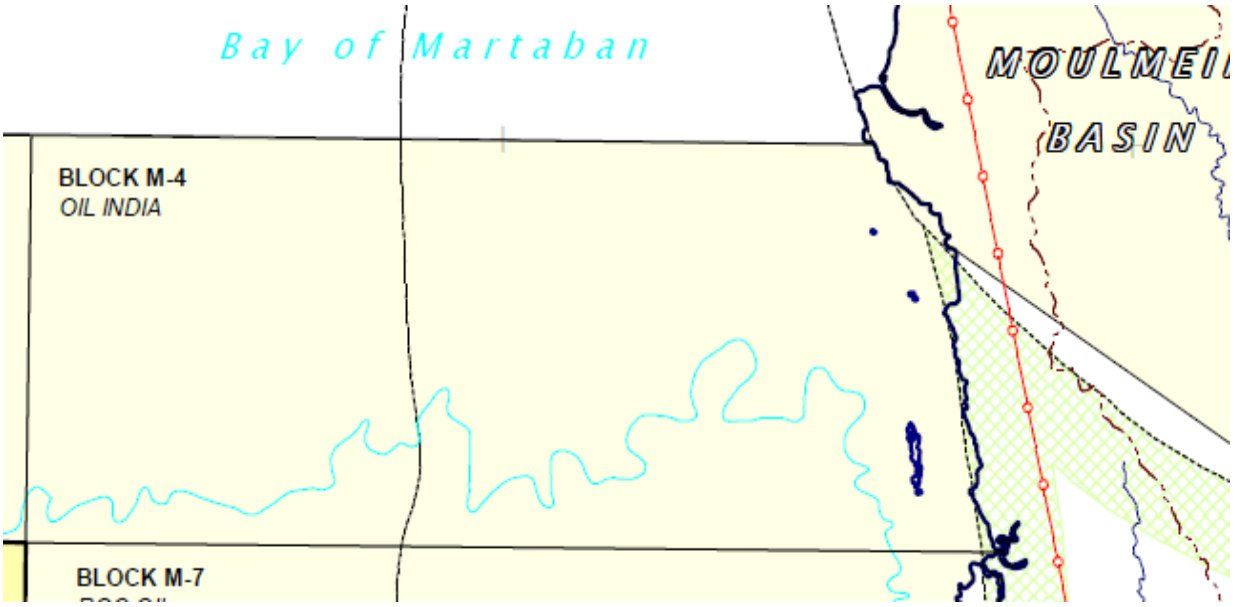
13. Interested contractors are requested to submit their response in a sealed cover with the superscription "Expression of Interest (EOI) for 2D & 3D seismic data acquisition **M-4 and YEB offshore Blocks, Myanmar** along with supporting documents at following address by 03.08.2015:

Office of Executive Director (E&D),
CEMG, E&D Department,
Oil India Limited, FC-24, 5th Floor,
IT Infrastructure Building, Sector-16A, NOIDA-201301,
Uttar Pradesh.

14. OIL reserves the right to accept, reject, or modify the suggestions presented/submitted against the EOI while formulating technical specifications and scope of work for the tender.

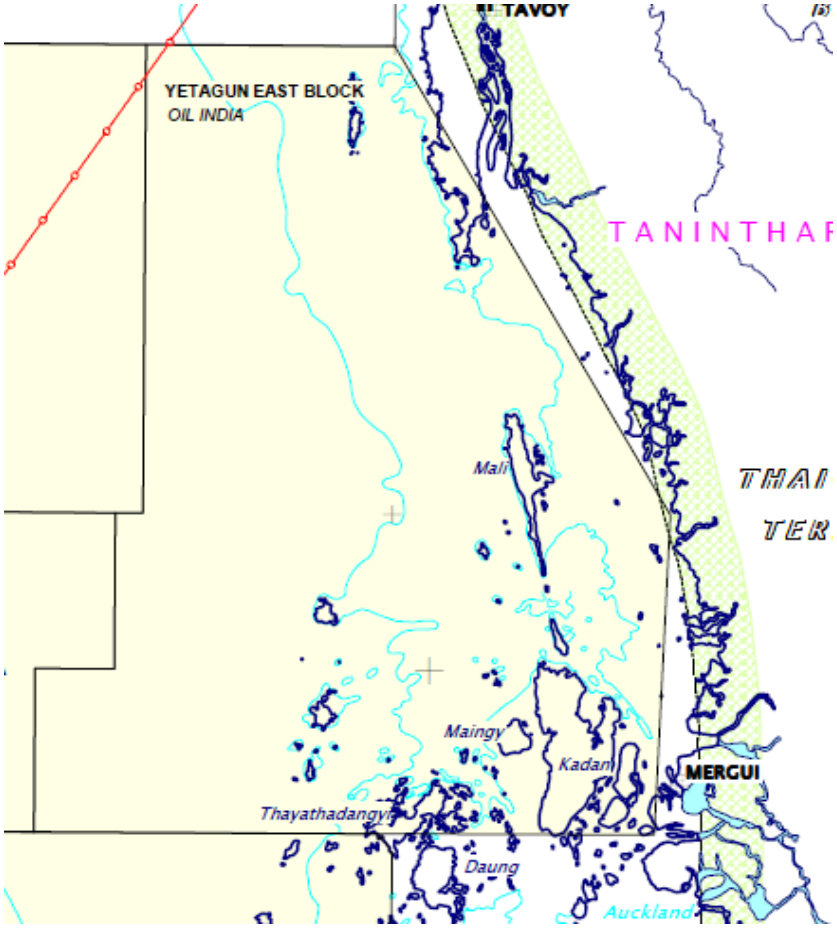
15. It is to be noted that mere response, enlistment through the EOI does not guarantee award of job. The award of job will depend on OIL laid procedures / guidelines only. No payment shall be made towards preparation / submission / presentation in connection with EOI.

Area Map of M-4 along with Bathymetry:



20 mts

Area Map of YEB along with Bathymetry:



50 mts 20 mts

Annexure-I

Sl. No	Area/Block	Area (Sq. Km/Miles)	Bathymetry approx.(m)	Zone of interest in TWT (msec)	Objective
1	M-4	10,421 / 4008	20-200	1000-5000	Oligocene to middle Miocene shallow marine carbonate build ups.
2	YEB	21,380/ 8223	20-Less than 200	1000-5000	Turbidites deposit. Lower Miocene

Data Acquisition

PRINCIPAL PARAMETERS OF SEISMIC SURVEY

2D & 3D common depth point seismic reflection survey shall be carried out with the following minimum principal parameters using digital streamer.

1	Vessel Type:	Dual source- multi streamer (6 or more) (name of available vessels in prescribed format be submitted)
2	Streamer:	Digital (24 bit digitization) with capacity to deploy min 6x6000 m streamer length
3	Acquisition System:	Multi-streamer digital telemetry system with recording on IBM 3592/ 512 track E05 500 Gbyte compatible cartridges.
4	Navigation & Positioning	Vessel positioning-DGPS Source positioning-RGPS & acoustic network Streamer positioning-cable compasses (at every 300 m), preferably three acoustic networks (for 3D) and active tail buoy with RGPS. The streamers will be provided with sufficient number of depth controllers (at a regular interval not more than 300 m).
5	Source (Seismic Vessel & Source Vessels)	Dual seismic source (tuned gun array), each having a P-P strength of more than 70 bar-m for shallow water blocks and 100 bar-m for deep water blocks, and P/B ratio of 15:1 or better, measured at 5m depth through filters out-128 Hz/72 db per octave (referenced to the response of a DFS-V recording system) and flat amplitude spectrum between 10 to 90 Hz. The source should be controlled through state of the art source synchronizer.
6	Acquisition Parameters	**M4 and YEB Myanmar (1460 LKM of 2D):** Nominal foldage:60: record length:08 seconds, sampling interval:2ms, Shooting Direction; East-West/North-South in M-4 and East-West/North-South in YEB **M4 and YEB Myanmar (640 Sq.Km of 3D):** Bin Size:6.25x25m; Nominal foldage:60: record length:08 seconds, sampling interval:2ms, Shooting Direction; East-West in M-4 and North-South in YEB
7	On-board processing:	On-board / in-field processing capacity up to post-stack time migration stage for acquisition QC purpose.

The survey areas have offshore platforms/ obstructions and will, therefore, require undershooting. Thus separate source vessel will also be required for a limited period of time. The energy source on source vessels should have the same specifications as that on the seismic vessels.