



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

**5th Floor, NBCC Centre, Plot No.2,
Okhla Phase-I, New Delhi-110020
Phone : (+91) 11-71901200
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GLOBAL EXPRESSION OF INTEREST (EOI) NO. OIL/E&D/EOI/1/2018

SUB: EOI FOR SETTING UP OF SEISMIC DATA REPOSITORY AND DISASTER RECOVERY CENTRE AT E&D DIRECTORATE OF OIL INDIA LIMITED.

- 1.0 OIL INDIA LIMITED(OIL), a premier Navaratna Public Sector Undertaking under the Ministry of Petroleum & Natural Gas(MoP&NG), Govt. of India, engaged in exploration, production & transportation of hydrocarbons, is planning to establish a Seismic Data Repository and Disaster Recovery Centre(DRDRC) at 6th Floor, E&D Directorate, Oil India Ltd., NBCC Centre, Plot No.2, Okhla Phase-I, New Delhi-110020.
- 2.0 OIL invites Expression of Interests(EOIs) from reputed Parties/vendors, meeting the pre-qualifying criteria mentioned in para 3.0 below, in order to frame detailed scope of work, considering available technologies and best practices for the proposed DRDRC can be figured out. Based on the inputs obtained from the EOI responses, OIL will prepare the detailed scope of work and take subsequent steps for implementation of the project. The basic requirements and the scope of work for DRDRC is attached as Annexure-I.
- 3.0 **PRE-QUALIFYING CRITERIA:** Bidders participating in the EOI should meet the following pre-qualifying criteria:
 - 3.1 The vendor must be OEM of seismic data archival system
OR
 - 3.2 The vendor must be G&G software solution provider
OR
 - 3.3 The vendor should have experience in setting up atleast one data archival /retrieval centre in last 7 years
OR
 - 3.4 The vendor must be engaged in data management system particularly Geo-scientific data.

NOTE: The offers should have clear indication of meeting the qualifying criteria of the EOI.

- 4.0 **Submission of EOI:** Interested parties meeting the pre-qualifying criteria given in para-3 above, are invited to submit their EOI at the e-mail id: abashishpal@oilindia.in and aparna_doley@oilindia.in within 31.01.2019 upto 15:00 Hrs.(IST), followed by hard copies of the same in sealed envelopes superscribing "**EOI NO. OIL/E&D/EOI/1/2018 FOR SEISMIC DATA REPOSITORY**"

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AND DISASTER RECOVERY CENTRE (DRDRC) AT E&D DIRECTORATE OF OIL INDIA LIMITED” through courier/post at the following address:

Dy. General Manager(C&P)-E&D
Oil India Limited,
E&D Directorate,
NBCC Centre, Plot No.2,Okhla Phase-I
New Delhi-110020.
Phone No.+91 9717007927, Email ID :aparna_doley@oilindia.in

5.0The offers may also be uploaded in parties' FTP server/File sharing website(portal) and the link(s) may be provided to us at our above e-mails latest by 31.01.2019(15:00Hrs).

6.0OIL reserves OIL reserves the right to (a) accept or reject any/all EOIs submitted by the parties (b) cancel the process at any time without any liability and assigning any reason thereof.

Annexure-I

1. PREAMBLE :

Oil India Limited (OIL) has been engaged in Exploration and Production of Hydrocarbons. As part of its E&P activities, OIL carries out 2D & 3D Seismic Surveys for acquisition of data, followed by processing of the same for subsequent activities. These Datasets and associated ancillary information are fundamental to carry out studies and analysis in our quest of exploration and development of hydrocarbon resources. Further, review and revisit of the acquired datasets with advanced processing algorithms and interpretation workflow from time to time is a standard norm in the E&P industry.

2. PROBLEM STATEMENT :

At present, Archival Section of Geophysics Department, FHQ is the only Centre, where archival & retrieval of seismic data & related information different tape media from different spheres in India & abroad is being carried out to ensure longevity & accessibility and major part of acquired seismic data is being preserved here. In case of any unforeseen event of Fire, Earthquake, any other natural calamity, accidents etc if any damage occurs to this centre, there is no option to recover this data. Therefore, it is essential to establish a separate Seismic Data Repository & Disaster Recovery Centre at New Delhi to safeguard the Data from natural calamities, fire, etc.

3. SCOPE OF WORK :

Considering above, the vendor has to build a Seismic Data Repository and Disaster Recovery Centre at 6th Floor of E&D Directorate Office, NBCC Building, Plot No.2, Okhla Phase-I, New Delhi – 110020, to cater for the storage of entire seismic data belonging to OIL. The centre will keep storage of physical copy of raw & processed (seismic gathers and stack data) seismic data in tapes, ancillary data (i.e observer reports, navigation data, processing reports) in CDs/DVDs (All to be supplied by OIL's Geophysics Department, FHQ, other projects). Also a copy of this data to be kept in suitable disk based storage.

Broadly, the centre should have following facility :

- 3.1. A GIS Based system capable of storage of seismic & ancillary data.
- 3.2. Capability of archiving seismic information of size 1PB in Tapes as well as in Disk Based Storage.
- 3.3. Bit to Bit Copy Facility of Data to/from different industry standard media of various format.
- 3.4. Hardware : Based on the broad requirement, the Centre should have at least the following Hardware. Better updated solutions may be suggested by the vendors if available in the market :
 - 3.4.1. Necessary IT Hardware including Server, 1 PB (usable) Storage (type of storage being proposed must be explained elaborately with supporting OEM documents) and associated System Software, OS, Virtualization Software (if needed as per proposed system architecture). No. of Rack Units required must be clearly mentioned and must be supported with Rack Elevation Diagram (Considering 42U Racks).

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- 3.4.2. 2 Nos of Workstations to be provided. Same shall be used for processing, archival and other associated jobs for the proposed Centre.
- 3.4.3. Storage Optimizers to :
 - 3.4.3.1. Stack the physical Cartridges of 3000 Nos with numbering facility (eg. Barcode/ RFID Driven).
 - 3.4.3.2. Stack the physical Observer Reports in CD/DVD around 1000 Nos with numbering facility.
- 3.4.4. Solution (with Hardware and Software) for keeping track of Physical Cartridges and observer reports.
- 3.5. Software : Based on the broad requirement, the Centre should have following Technical Software :
 - 3.5.1. GIS Based Seismic Data Management Software.
 - 3.5.2. Software Capable of :
 - 3.5.2.1. Preparation of multiple copies from tape to tape, tape to disk and disk to tape.
 - 3.5.2.2. QC of loaded data. QC job should include integrity checking of data format, navigation, etc.
 - 3.5.2.3. Cataloguing of loaded data into the disk based storage.
 - 3.5.3. The centre should have standalone processing facility in the proposed workstations. Accordingly processing software must be provided.
- 3.6. Site Preparation : The site chosen for the centre is at 6th Floor of NBCC Centre, Okhla Phase-I, New Delhi-110020. Presently the site has an office setup as per the layout attached herewith as Annexure-II. The vendor shall have to demolish the existing interior work and build the centre in the area. The proposed layout drawing for the centre must be submitted as a response to the EOI along with dimensions and scaling. Following works is included in the scope of work by the vendor :
 - 3.6.1. Site Designing
 - 3.6.2. Demolition Works
 - 3.6.3. Civil Works
 - 3.6.4. Electrical Works
 - 3.6.5. Fire Detection and Suppression System
 - 3.6.6. CCTV and Access Control System
 - 3.6.7. BMS Works (Building Management Systems)

Apart from above, if any other job is felt necessary for the site, the same may be proposed by the Vendor in response to the EOI.

- 3.7. Operation & Maintenance : The centre shall be under warranty for 1 year post commissioning and under AMC for following 6 years. During this period the Operation and Maintenance of site must be done by the vendor under supervision of OIL's personnel. The scope of work for O&M and manpower requirement may be proposed by the vendor. However O&M jobs must include Data Loading and copying as and when required during OIL's Office hours as well as 24x7 monitoring.

(End of Annexure-I)