



**OIL INDIA LIMITED**  
**(A Govt. of India Enterprise)**  
**PIPELINE HEADQUARTERS**  
**NARENGI, GUWAHATI**  
**ASSAM**

**AA)** OIL INDIA LIMITED (OIL), a Govt. of India “**MAHARATNA**” category PSU under the Ministry of Petroleum and Natural Gas, is a premier up-stream E&P Company engaged in exploration, production, transportation of crude oil and natural gas and production of LPG. OIL also has presence in the downstream sector with majority equity stake in Numaligarh Refinery. OIL has its Registered Office and its Field Headquarters at Duliajan and its Pipeline Headquarters at Guwahati, Assam. OIL’s commitment to growth has enabled the company to spread its wings from the north-eastern part of India to establish pan India presence along with global footprints.

**BB)** The Pipeline Sphere of OIL deals with transportation of petroleum to various refineries and thus operates a total of 1900 Km of hydrocarbon pipelines. For this purpose, it owns a 1157 Km long pipeline Right-of-Way (RoW) from Duliajan to Barauni traversing three states of Assam, West Bengal and Bihar. This RoW has multiple hydrocarbon pipelines viz. crude, product & natural Gas, all protected from a common Impressed Current Cathodic Protection (ICCP) system owned and maintained by OIL. Out of above-mentioned pipelines in the ROW, 1415 km of pipelines (mostly 16-inch and 14-inch diameter) are more than 40 years old and were considered under Pipeline Rehabilitation Project primarily involving in-situ coating refurbishment with cold tape systems with an aim to enhance life of pipelines by another 30 years. OIL has engaged Lyons Engineering Pvt. Ltd. (LEPL) as Project Management Consultant (PMC) for execution of Phase II of the above pipeline rehabilitation project.

**OIL plans to implement “Real-time through GPS based Pipeline Information Management System (PIMS) / Pipeline Construction Management System (PCMS) along with Uploading of Ph-I data in PIMS/PCMS system” during Rehab Phase-II Project. Also plans Real time MIS & Dashboard reporting from PIMS/PCMS system.**

**Project Details:**

Project	GPS based Pipeline Information Management System (PIMS) / Pipeline Construction Management System (PCMS) for Pipeline Rehabilitation Project Phase-II
Owner/Company	OIL India Limited (OIL)
Consultant	Lyons Engineering Pvt. Ltd. (LEPL)
PIMS / PCMS Agency	The PIMS / PCMS agency that provides PIMS /PCMS solution and training to various construction and PMC/OWNER personnel.

As stated above, the project scope is spread all along the pipeline ROW of 1157 Km (i.e. from Duliajan, Assam to Barauni, Bihar) across the 3 states of Assam, West Bengal and Bihar. The terrain is mostly plain and hilly in some areas. The ROW mostly passes through cultivated land, with stretches of barren land, forests, reserved forests, small villages and clusters of population. It runs parallel to existing roads / highways in some sections and also passes through marshy, waterlogged areas. There are chances of pipelines being submerged / waterlogged in certain areas.

As indicated above, the pipeline covers three states i.e. Assam, West Bengal and Bihar, the rainy season in Assam/West Bengal tentatively starts from Mid- April till October/November i.e. there will only be 4 / 5 working months in a year when the coating works can be performed. However, the working months might vary to 5-6 months in Bihar.

**CC) Oil India Limited** is in the process of formulating a contract for Implementation of web GIS based digitization pipeline information management system (PIMS)/ pipeline construction management system (PCMS) under pipeline rehabilitation project -Phase-II. **In this connection, OIL intends to organize a Pre-Tender meeting on 10.10.2025 (Friday) through Video Conference.**

**DD)** Vendors with following experience criteria and interested in providing the service can participate in the Pre-Tender meeting (***The proposed experience Criteria is DRAFT in nature and subject to change after Pre-Tender Meeting***) :

**1.0 TECHNICAL EVALUATION CRITERIA: (DRAFT):**

The following minimum criteria shall be met by the bidder failing which their bid/offer will be rejected:

- 1.1** The bidder must be a PIMS/PCMS Service Provider in Oil/ Gas Pipeline and must have experience in Project Information Management System (PIMS) / Pipeline Construction Management System (PCMS) work related to oil and gas business in a period of at least 7 (Seven) years from the original bid closing date.
- 1.2** Additionally, the bidder must have experience of completing at least one (01) SIMILAR work having a Cross-Country Pipeline length of 100 KM in the last seven (07) years reckoned from the original bid closing date of this tender.

**Notes to BEC Clause:**

- a) Experience of above similar work shall be for any Central Govt./ State Govt./ Semi-Govt./ Public Sector Undertaking/ State Govt. Enterprise/ any Public Limited Company within India and shall be in the name of bidder only, bid/ contract from sister concern/ group company shall not be considered and shall be rejected.
- b) Job executed by a bidder for its own organization/ subsidiary shall not be considered as experience for the purpose under BEC and shall be rejected.
- c) Bids on Consortium or Joint venture basis are not acceptable and shall be rejected.

- d) Experience of ongoing works which are yet to be completed/ commissioned shall not be considered and shall be rejected
- e) A job completed by a bidder as a Sub-Contractor shall NOT be considered for the purpose of meeting the work experience criteria.
- f) In case the start date of the requisite experience is beyond the prescribed 07 (seven) years reckoned from the original bid closing date but completion/ commissioning is within the prescribed 07 (seven) years reckoned from the original bid closing date, such work experience will be considered for evaluation.
- g) In case a Bidder submits past track record (PTR) having job awarded for multiple Parts in single Work Order or Contract having separate completion schedule for each Part, and the Bidder wants to get qualified based on the completion of One or more Parts (irrespective of whether all Parts under the same work order are completed or not), which meets the subject PQC value-wise and with respect to Similar Work (as stipulated in clause above), the same may be considered subject to the completion certificate with executed value of that/those Part(s) from the Owner/End User for that/those Part(s).
- h) However, where multiple-Parts work is awarded under different Work Order(s) having different Work Order reference number(s) with the same Enquiry Document no. or Contract no., cumulative value of such completed Work Orders meeting definition of Similar Work (as stipulated in clause above), as submitted, shall be considered for the purpose of PQC Evaluation.
- i) The executed Contract Value or Work Order value as per the Completion Certificate shall be considered for meeting value based Work Experience Criteria. However, if the completion certificate also indicates details of taxes & duties, then these values of taxes and duties shall be excluded for evaluation.

## **2.0 EVALUATION OF BIDS/ EVALUATION METHODOLOGY (DRAFT)**

- i) The Price Bids of only Techno – Commercially – acceptable bidders shall be opened and will be considered for evaluation.
- ii) Bidder must quote for full quantity against each quoted items of SOR and for the total package. Evaluation shall be done on overall evaluated price (L1) basis. The bids will be evaluated based on total price including quoted GST (CGST & SGST/UTGST or IGST)
- iii) Purchase Preference policies shall be applicable as per Government Guideline in vogue.
- iv) There is no relaxation of prior experience and prior turnover for start-up companies.

**EE)** In view of above, we request interested vendors to depute their representative to attend the Pre-Tender meeting to be held as per following details:

**Date: 10.10.2025**

**Time: 15:00 PM**

**Venue: Through Video Conference. Link for attending Video Conference is given below;**

Pre-Tender Meeting for GPS based Pipeline Information Management System (PIMS) / Pipeline Construction Management System (PCMS) for Pipeline Rehabilitation Project Phase-II in Oil India Limited.

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Microsoft Teams Need help?

Join the meeting now

Meeting ID: 440 157 943 778 7

Passcode: X9nb65Ky

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Join on a video conferencing device

Tenant key: teams@oilindia.onpexip.com

Video ID: 135 705 750 4

More info

[Pre- Tender meeting for GPS based Pipeline Information Management System \(PIMS\) / Pipeline Construction Management System \(PCMS\) for Pipeline Rehabilitation Project Phase-II | Meeting-Join | Microsoft Teams](#)

**FF) SCOPE OF WORK (Tentative):**

➤ Work tendered in this bid package as follows:

- Site visit as per the scope of the project.
- Real-time documentation through GPS based Pipeline Information Management System (PIMS) / Pipeline Construction Management Solution (PCMS).
- Digitize & Uploading of OIL existing paper-based reports (available in scan copy) for 593 km refurbishment work completed under Ph-I of the project. All Phase-I data shall be collected from OIL.
- Real time MIS & Dashboard reporting from PIMS/PCMS system
- Digitize the entire project (Phase-II) information & records from the inception
- GPS based report generation from various sites
- Safety management system documentation
- Material consumption and reconciliation report
- As-built drawing uploading
- At any given time, the contractor will have to work on multiple fronts. The contractor has to plan and mobilize the resources accordingly to meet the completion target Schedule of Owner.
- Interfacing with Coating Replacement Works Contractors, MIJ Replacement Contractor, Coating Materials Supplier/Vendor, CP Contractor and PMC/OWNER.
- Training PMC/Owner & Contractors personnel
- Any other work not mentioned but required for successful completion of work

- PIMS / PCMS shall include all works, services etc. required for the monitoring of Coating Refurbishment works of Duliajan-Brauni Crude Oil & Numaligarh-Siliguri Product Pipeline.
- Implementing mobile and web forms for real time data acquisition, processing and hosting during the execution of PCMS/PIMS, on a specified format using standard and approved quality control parameters and its delivery to owner with full functionality and data.
- Owner intends to have PCMS/PIMS which can help archive various data and documents related to pre-construction, engineering, supply, inspection, delivery, construction, hydro-testing, commissioning, as built drawings for mainline, spur lines and stations in self-configurable index in electronic format which can be used in future as the base data for maintenance and operation.
- The main modules of PCMS/PIMS solution must be:
  - Coating Materials Tracking
  - Construction management for Rehab Job
  - Feature to Track Planned Tasks using Mobile Apps
  - Inspection test report (ITR) PDF generation
  - Mobile based Hindrance Reporting
  - Mobile based ITR approval system
  - QC analytics
  - Generation of DPR
  - Station Construction Progress management
  - Web GIS based visualization.
  - Web GIS Data as per clients Geodatabase.
  - Electronic Documentation
  - Cadastral Data and Documentation
  - Contractor AOM generation
  - Management Dashboards on Web and Mobile for Pipe Track and Construction Progress.
- **Structure of Software for Management of PCMS/PIMS Solution**
- The solution would ensure standardization of the report formats.
- **Data Entry using Mobile or Web Module (By Construction Contractor)**
  - Bulk upload option for Coating Material related information
    - a) Type of Coating etc.
    - b) Manufacturing history (including relevant test and inspection documents)
    - c) Coating Material Delivery status (including relevant test and inspection documents)
  - Mobile and Web formats for Route survey to re-coating stage
    - a) ROW/ROU handover
    - b) Route survey, clearing and grading inspection reports
    - c) Identification of buried pipeline / pipelines in the ROW
    - d) Trenching reports
    - e) Surface preparation procedure of the steel surface
    - f) Inspection reports of the steel surface
- **Re-coating and restoration stage**
  - a) Coating inspection report along with padding details, if any.
  - b) Welding metal sleeve steel reinforcement inspection reports

- c) Block Valve Coating Reports
  - d) Supply and installation of the Cathodic Protection components report
  - e) Casing Shorting Mitigation in cased crossings Reports
  - f) Coating defects survey reports
  - g) MIJ Installation Reports
  - h) HDPE & OFC laying inspection reports
  - i) Backfilling inspection reports
- Restoration documents
- **Cased/Swampy/submerge/minor water course crossing reports**
    - a) Inspection report of cased crossing/heavy wall/normal wall crossing
    - b) Inspection report of water course crossing
  - **All documents/data upload of Phase-I Project**
  - **As built information**
    - a) Auto Generated Pipe Book with hyperlinking of inspection reports.
    - b) As-Built Web GIS having joint coordinates
  - **Following layers (not limited to- only indicative) are to be populated in the PCMS/PIMS solution. The information contained is also indicated in the layers:**
    - a) Route Survey Input
    - b) Site Photo and Video details.
    - c) Crossing details
    - d) Pipeline Fittings and Features
    - e) Logistics
    - f) Geology
  - **Cadastral Data Update on Web Module (By CA/Respective Agency):**
    - This module would help CA Office/Agency to upload all village maps, cadastral maps, cadastral docs, landowner details, compensation detail, NOC's obtained from local government or other external sources.
    - Mapping on Web GIS: (By PIMS/PCMS Agency)
    - The owner would provide native files (DWG) of Village maps and Cadastral maps for georeferencing on WEB GIS. Web GIS solution would show each parcel data as entered in the solution.
  - **An indicative list of requirements from the PIMS PCMS application is given below which should be available in the system:**

1.	System Architecture	Web based
2.	Accessibility	Through Internet and intranet
3.	Barcode/QR Code	Barcode/QR Code application (Mobile based) for scanning Coating rolls at various stages of Coating roll Movement like Store, Site, Application on Pipe. Construction Contractor would provide handheld device to their resources at various check points.

4.	Inspection Report Generation	PIMS/PCMS must be able to generate the ITR in PDF of each construction activity. The Construction Contractor would enter the daily activity details directly into the PIMS/PCMS system on a daily basis. The PIMS/PCMS would show progress as unverified. As soon as the generated PDF is signed (digitally) by the respective authorized agencies, the progress should be shown as approved.
5.	Map Features /Compatibility	Compatible (with zero data loss) with industry standard mapping formats such as shape file/ Geo Database etc.
6.	Map integration with pipeline digital mapping	Web Interface / Features Integration with pipeline digital mapping of the pipeline route corridor and ROW.
7.	Integrated PIMS / PCMS with Web GIS	Major activities must be synchronized on Web GIS with PIMS/PCMS database, so that activities be visible on WEB GIS as soon as they are entered in the PCMS. ITR of major activities must be able to open from WEB GIS also.
8.	Integration with Google Map/Earth	Viewing pipeline data on top of Google map/Earth/ Bing Maps etc.
9.	Map Overlays	Facility to switch ON/OFF pipeline map Overlays
10.	Search/Query Features	Facility for Search/ Query on Pipeline data through web interface
11.	Scalability	Scalable to incorporate new Pipeline Data (whose data are provided in industry standard map formats)
12.	Modularity	Facility to accommodate new users/groups/pipelines as and when required.
13.	Browser Compatibility	Compatible with Web Browser such as Internet Explorer, Firefox etc.

