

OIL INDIA LIMITED
(A Govt. of India Enterprise)
Udyan Vihar, Narengi, Guwahati,
Assam

Fax-91 0361 2643686
Email-oilmatpl@oilindia.in

Item No./ Mat. Code	Material Description	Quantity	UOM
10 99115913	SMART TEST LEAD POST FOR CATHODIC PROTECTION SYSTEM Detailed Technical Specification is as per attached Annexure-I	2	NO
20 99115914	REMOTE MONITORING DEVICE FOR CATHODIC PROTECTION TRANSFORMER RECTIFIER UNIT Detailed Technical Specification is as per attached Annexure-I	3	NO

Standard Notes: 1.0 Bidder must keep their offer valid for minimum 75 days from Date of Bid Closing failing which their offer will be straightaway rejected.

2.0 Tender no. and Bid Opening Date to be clearly indicated in the envelope.

3.0 Your offer should be for delivery of materials at the following address: Offer will be rejected straight way in case offer is not complying the delivery location

**Office of Dy.General Manager (Materials)PL
Oil India Limited,
Pipeline Headquarters, Narangi,
P.O. Udayan Vihar, Dist. Kamrup(Metro)
Assam, Pin-781171**

4.0 Offer will be evaluated on FOR Destination basis. Bidder should quote Transportation charges etc.(if any) separately if not included in basic price.

5.0 General Terms & Condition of this tender is not enclosed separately. Please refer to General Terms and Conditions for National Tenders (MM/TENDER/LP/01/06) under 'For Vendors' --- 'Limited Tenders' in www.oil-india.com. Tender will be governed by the same.

6.0 Purchase Preference (Linked with Local Content) (PP-LC) is not applicable against this tender.

7.0 Payment Terms: 100% payment within 21 days after receipt & acceptance of materials at OIL's site after adjusting liquidated damage, if any.

8.0 Bidder should submit their offer incorporating the following:

i) Itemwise HSN Code

ii) Applicable Rate of GST

9.0 If a firm quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

10.0 ATTENTION TO OTHER INTERESTED VENDORS WHO ARE NOT LISTED:-
(Not applicable for bidders who have received Tender Documents directly from us)

Other than the vendors to whom the enquiry has been issued, interested vendors who wish to participate in the tender may apply with proper credentials (Relevant documents including company profile, financial status, product range, client list must be submitted along with the application) and should fulfill the below mentioned criteria:-

10.1 Experience of successfully executing at least 1 (One) order for minimum value of INR 3.85 Lakh of Tendered Item in preceding 5 (five) years to be reckoned from the original stipulated bid closing date of the tender (Copies of Purchase Order(s) along with completion certificate towards successful execution of the order to be submitted).

10.2 Annual financial turnover of at least INR 3.85 Lakh in any of preceding 3 (three) financial years.

10.3 The Net worth should be Positive for preceding financial/accounting year.

Note:

a) Annual Financial Turnover of the bidder from operations shall mean Aggregate value of the realisation of amount made from the sale, supply or distribution of goods or on of services rendered, or both, by the company (i.e., bidding entity, as the case may be) during a financial year as per the Companies Act, 2013 Section 2(91).

b) Net worth shall mean the aggregate value of the paid-up share capital and all reserves created out of the profits and securities premium account, after deducting the aggregate value of the accumulated losses, deferred expenditure and miscellaneous expenditure not written off, as per the audited balance sheet, but does not include reserves created out of revaluation of assets, write-back of depreciation and amalgamation.

c) For proof of annual Turnover & Net worth any one of the following document must be submitted along with the bid:-

i) A certificate issued by a practicing Chartered/Cost Accountant (with Membership Number, UDIN and Firm Registration Number), certifying the Annual turnover & Net worth

OR

ii) Audited Balance Sheet along with Profit & Loss account.

Documentary evidence as stipulated above, should reach the office of Dy. General Manager (Materials) Pipeline, Materials Department, Oil India Limited, Pipeline Headquarter, Guwahati-781 171 (Assam) or email papari_borah@oilindia.in / mingku_narzari@oilindia.in within 10 days of publication of the tender on OIL's website. Based on merit, OIL will allow the vendors to participate in the current tender or future tender for the item(s) at its sole discretion.

Disclaimer: Authorization to participate in the tender does not guarantee placement of order. Requests received from interested vendors after 10 days of publication of tender shall be considered for future tenders only, subject to meeting the above evaluation criteria.

Special Notes : 1.0 The vendor shall provide the SIM cards, install them, and ensure recharge for a duration of one year from the date of commissioning.

2.0 The system shall include a 01-year comprehensive Warranty including support for breakdown and preventive maintenance (if required).

3.0 Complete tools and tackles required for execution of work and testing shall be in the scope of vendor.

4.0 Payment shall be released after successful installation and commissioning at Site.

Delivery Period:

- a. 90 Days from date of placement of PO.
- b. I&C to be completed within 30 days from the date of communication regarding site readiness.

10: TECHNICAL SPECIFICATIONS: IoT ENABLED SMART TLP

The IoT-Enabled PSP Device monitors Pipe-to-Soil Potential (PSP) voltages for real-time Cathodic Protection (CP) system monitoring. It supports LTE-based communication, data storage, and extended battery life for field operations.

Technical Specifications:

1. **PSP Voltage Measurement:**
 - Voltage Range: 0 to -6V DC
2. **Communication:**
 - LTE-based connectivity for real-time data transmission
3. **Power and Battery:**
 - Battery life: Up to 60 days on a single charge
4. **Data Storage:**
 - Onboard 16 GB memory for historical data logs
5. **Environmental Specifications:**
 - Operational Temperature: 0°C to 50°C
6. **Alarms:**
 - Configurable PSP threshold alarms
7. **Web Interface:**
 - Real-time data monitoring via a web-based dashboard
 - Historical data exportable option
8. **Warranty:**
 - One-year warranty against manufacturing defects

Installation and Commissioning Scope: The device will be housed in a weatherproof, lockable metallic TLP box with corrosion-resistant construction and ventilation which will be under the scope of bidder. The box will be securely mounted on a concrete structure with proper earthing and PSP signal connections. The bidder shall be responsible for the supply and installation of all materials and works, including excavation, cable connections to the pipelines using Pin Brazing methods, placement, and associated activities. The scope of the contractor's provision shall include the supply of PVC Cu cables of minimum size of 6 Sq. mm, lugs, Permanent Cu-CuSO₄ Half Cell, and other necessary items to complete the job. Complete tools and tackles, transportation required for execution of work and testing shall be in the scope of vendor.

An LTE antenna will be positioned for optimal signal strength. During commissioning, the device will undergo:

- Battery status checks
- PSP calibration
- LTE connectivity verification
- Alarm configuration.
- Software setup and operational testing

10: TECHNICAL SPECIFICATIONS: IoT ENABLED SMART TLP

Note:

1. The vendor shall provide the SIM cards, install them, and ensure recharge for a duration of one year from the date of commissioning.
2. The system shall include a 01-year comprehensive Warranty including support for breakdown and preventive maintenance (if required).
3. The TLPs shall be installed in OIL's Cross Country Hydrocarbon Pipeline RoW in the Assam Sector. The actual chainage of the location will be finalized by OIL.

Final documentation will include installation drawings, wiring diagrams, and configuration settings for future maintenance.

20: TECHNICAL SPECIFICATIONS: REMOTE MONITORING DEVICE FOR CP TR UNIT

1. There shall be a provision for Local & Remote control for switching the TRU in local (Existing) & Remote (Smart TR) modes.
2. The system shall have a suitable SCADA Portal with a user-friendly interface on Web and Mobile. Draft design shall be submitted for approval of EIC.
3. There shall be a Smart 4G/3G IoT Remote Access Controller: compatible for web, Android tablet, and PC SCADA as per the approval of EIC.
4. The system shall have a Universal Accessibility feature: Accessible from anywhere using mobile devices, tablets, or PCs/laptops.
5. The vendor shall provide the SIM cards, install them, and ensure recharge for a duration of one year from the date of commissioning.
6. There shall be a provision for Monitoring and Control of crucial parameters of the CPTR, including DC Voltage, Current, and Current Interrupter.
7. There shall be a provision for Remote Auto Reference Control, allowing remote monitoring and control of the Auto Reference (INT PSP SET) of the CPTR.
8. The system shall facilitate Smart GSM Current Interrupter Control, including remote control of the Smart GSM Current Interrupter and inbuilt GPS Current Interrupter.
9. There shall be a provision for Interrupter Operation and Logging, supporting operation and setting of the ON/OFF cycle of the interrupter with ON/OFF PSP data logging.
10. The system shall be capable of monitoring and logging all alarms and indications of the CPTR, including Under Protection, Overprotection Alarms, Auto Mode, CVCC Mode, and Manual Mode.
11. The system shall be compatible with all types of Cathodic Protection Rectifiers.
12. There shall be a provision for Data Logging and Reporting, where all alarm and indication data logs can be downloaded in Excel report format.
13. The error between the real CP TRU data and the data showing in the Dashboard/SCADA shall be within (+/-) 5%.
14. The response time for CP TRU parameters changing from remote shall be within 20 seconds.
15. The system shall work with 24V DC or/and 230V AC.
16. CP TRU unused components shall remain in the TRU as it is, in a well-dressed and healthy condition.
17. SCADA software shall be certified with CSA STAR and ISO/IEC 27018:2019 certification from AWS Cloud or equivalent. A lifetime license of the software shall be in the scope of vendor.
18. The system shall ensure robust remote access, monitoring, and control of cathodic protection systems, ensuring efficient operation and maintenance.
19. The Contractors provision shall include all wiring modification, wiring/rewiring, including supply of cables, components, lugs, terminal boxes, etc., to ensure proper working of the existing CP TRU into a smart IoT-based system for monitoring and control of CP parameters and Interrupters.
20. Complete tools and tackles required for execution of work and testing shall be in the scope of vendor.
21. A competent supervisor shall be deployed at the site for supervising the complete work.
22. Before commissioning, all parameters shall be monitored locally with measuring instruments and on SCADA, with all controls, and a report shall be submitted for verification and approval of EIC/Site Engineer.
23. A final wiring drawing and O&M manual shall be submitted.
24. The system shall include a 01-year comprehensive Warranty including support for breakdown and preventive maintenance (if required).

20: TECHNICAL SPECIFICATIONS: REMOTE MONITORING DEVICE FOR CP TR UNIT

LOCATION OF WORK:

1. OIL's Pipeline RoW NBPL Chainage KM 6.5 (Gethupathar Well 254)
2. OIL's Pipeline RoW NBPL Chainage KM 422 (Jalukbari)
3. OIL's Pipeline RoW NBPL Chainage KM 427 (Amingaon)

Tender No. : GOD8494L25/4L
Tender Date : 31.01.2025
Bid Closing On : 27.02.2025 at 13:00 hrs.(IST)
Bid Opening On : 27.02.2025 at 13:00 hrs.(IST)

Tender issued to following parties only:

Slno	V_Code	Vendor Name	City/Country
1	216536	CORRXPPTS PVT. LTD.	VADODARA
2	407673	BASICS TECHNO SERVICES PVT LTD	SIVASAGAR
3	410126	SILVERLINE INTEGRITY SERVICES	Guwahati
4	416067	IOTIAN TECHNOLOGIES PRIVATE LIMITED	BANGALORE
5	416260	SKYSENSE TECHNOLOGIES	HYDERABAD