



Oil and Natural Gas Corporation Ltd ,
FMP, ONGC Cambay Asset,
Post : Kansari, Khambhat-Distt. Anand, **Cambay** Asset,
Near Bus Stand, **Cambay**, Gujarat, 388630, India

Ref: EOI/FMP/01/Electrical/De-ionization-LPS/2026

Date: 01 October 2026

Expression of Interest (EOI) from Domestic Manufacturers / Service Providers for De-ionization type lightning protection system and Surge Protection Devices for NG 1500-01 Rig of Cambay Asset, ONGC.

1. Background

Oil and Natural Gas Corporation Limited (ONGC), India's flagship Exploration & Production (E&P) Company, is committed to promoting indigenous capability under the Government of India's Atmanirbhar Bharat initiative.

One no of 1500 HP New Generation drilling rigs i.e. NG-1500-1 is in operation at Cambay since Apr -2022.

The New Generation (NG) drilling Rigs are completely automized, and all the operations are carried out from drilling console. It includes Programmable Logic Controllers (PLCs) and associated electronic circuitry comprising of Central Processing Units (CPUs), Power supply Cards, Safety Barriers, Networking Switches, HMI etc.

These components are highly sensitive and prone to damage due to Lightning.

2. Objective of the EOI

The objective of this EOI is to invite technically competent and experienced vendors to express their interest in designing, supplying, installing, and commissioning a De -ionization Lighting Protection system with Surge Protection Devies system for NG 1500-01 Rig. This system should integrate with the existing power, control and communication infrastructure and provide a reliable, safe, and real-time monitoring system.

3. Scope of EOI

The scope of EOI includes , designing, supplying, installing, and commissioning a De -ionization Lighting Protection system with Surge Protection Devies system for NG 1500-01 Rig like CMCE SERTEC-120 , Dinnteco DDCE-120 plus or any other similar type de-ionisation type lighting protection system on Rig 1500-01 at mast top at a height of 3 meters (above the top), along with the associated sub systems like insulated ground Conductor and dedicated earthing grid and a real time remote monitoring system to see the Electrical milli Amperes current

drainage (of air-terminal to ground) and other climatic parameters like Temperature, Humidity etc.

In conjugation with de-ionization LPS ,the Surge Protection Device also require. Location, type and quantity of SPD also estimated and well-coordinated with LPS for power end & signal and data communication system line as a part of internal system protection.

Generally, site area for NG 1500-01 rig is 126mx130.50m and mast height is 187 ft.

4. Eligibility

Interested domestic manufacturers/service providers should possess the following:

- Manufacturing/Service provider infrastructure.
- Quality management systems.
- Testing and inspection facilities.
- Technical expertise and manpower.
- Experience/capability relevant to designing, supplying, installing, and commissioning or similar technology in oilfield applications.

5. Information Sought from Interested Parties

- a. Letter expressing interest in participating in the EOI.
- b. Company profile, including details of ownership and principal business activities.
- c. Details of manufacturing/Service providing facilities and infrastructure.
- d. Technical literature and product specifications.
- e. Details of proposed technology with O&M manual with parts details.
- f. Quality Assurance Plan (QAP) and details of available testing facilities.
- g. Details of similar supplies/services executed, if any.
- h. Customer references and performance certificates, if available.
- i. Details of relevant certifications/approvals, if any.
- j. Any other technical information considered relevant to demonstrate the firm's capability.
- h. Details of code and standard including Indian and any other.
- k. Compliance certificate If any, like mentioned below:
 - IEC 62305- 1 Protection against lightning - Part 1: General Principles
 - IEC 62305- 2 Protection against lightning - Part 2: Risk Management
 - IEC 62305- 3 Protection against lightning - Part 3: Physical damage to structures and Life
 - IEC 62305- 4 Protection against lightning - Part 4: Surge Protection of equipment OISD GDN 180 Oil Industry Safety Directorate - Lightning Protection guidelines
 - IS 3043: 2018 Code of Practice for Earthing
 - IS 7689 Code of Practice against Static Charges

Please mention, if you have any other compliance certificate ,other than mentioned above .

l. Executive summary

m. Detailed Technical Proposal and Methodology.

n. Limitations or boundary conditions of the technology, if any.

o. Designing (including type, no's and placement details), supplying, installation, and commissioning details of de-ionization type Lightning Protection System and Surge Protection Devices for NG 1500-01 rig of Cambay Asset.

p. Warranty details (Min 12-month warranty required)

q. Annual Maintenance Contract details

r. Spares/Service providing period conformity.

s. Request for suggestions, approach papers, or technical insights.

t. Udyam/MSME registration (if applicable)

u. GST, PAN, manufacturing licenses/trading licenses etc.

6.Submission Guidelines

- **Last date of submission: 21 days from the publication of EOI**

Interested parties for EOI are invited to submit their EOI, including any details/queries/clarifications required on the objectives and scope of the work in the subject EOI to:

Head FMP, ONGC Cambay,

GM(I)-FMP

Tel- 9969221933,9969221910

Email: chhatre_rm@ongc.co.in ; tripathi_vinay@ongc.co.in

7.Confidentiality

All information received by ONGC as a part of this EOI, will be ONGC's property and will be kept strictly confidential and utilized for its internal purpose only.

8. Key Outcome of this EOI

This EOI does not seek to appointment or empanelment of the manufacturer/service provider at this stage.

Instead, it is intended to:

Freeze the Scope of Work – refine and finalise the indicative scope of work & explore the market using market feedback, so that the eventual tender reflects, realistic, deliverable market practice

9. Post Submission Meeting

After closure of last date of EOI, meeting shall be scheduled at ONGC Khambhat, Gujarat within 15 days.

10. Disclaimer

This EOI is intended for market exploration and does not constitute a commitment to award any contract. ONGC reserves the right to modify or cancel this EOI process at any stage without assigning any reason and without incurring any liability. ONGC may seek additional information/clarifications from the participating firms, if required, during the evaluation process.