

REQUEST FOR PROPOSAL

FOR SUPPLY OF
132kV Power Transformer 50 MVA

Power Grid Corporation

Established: 2020

Credibility Score: 87/100 | Financial Rating: A

Successfully Completed: 257+ Projects

90% on-time payments

TENDER ID: UTL-300

Issue Date: 2025-10-14

Submission Deadline: 2025-11-08T00:00:00.000Z

Document Classification: OPEN TENDER

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SECTION 1

INTRODUCTION & BACKGROUND

1.1 About the Organization

Power Grid Corporation is a leading utility organization established in 2020. With 5 years of excellence, we have completed 257+ projects maintaining a 87/100 credibility score.

1.2 Purpose of RFP

This RFP invites qualified bidders to supply 132kV Power Transformer 50 MVA meeting all technical and quality requirements specified herein.

1.3 Tender Schedule

- Pre-bid Meeting: 21 Oct 2025
- Bid Submission: 2025-11-08T00:00:00.000Z
- Technical Opening: 09 Nov 2025
- Award: 08 Dec 2025

SECTION 2

SCOPE OF WORK

2.1 Description

Supply of oil-immersed distribution transformers complete with all accessories, fittings, and protective devices. Transformers shall conform to IS 2026 and IEC 60076 standards with provision for future load growth.

2.2 Quantity & Delivery

Total Quantity: 10 Nos of 50 MVA transformers

Delivery: Complete supply within 90 days

2.3 Delivery Location

Consignee Stores: Mumbai

Delivery Terms: FOR Destination (all costs included)

Transformers shall be dispatched fully assembled with oil filling and nitrogen blanketing. All accessories shall be fitted and tested. Proper lifting arrangements and shock indicators shall be provided.

Transportation shall ensure no damage to core, windings, or tank.

SECTION 3

TECHNICAL SPECIFICATIONS

3.1 General Requirements

Rating: 50 MVA

Voltage Ratio: 66/11 kV

Frequency: 50 Hz

Connection: Star/Delta, Dyn11

Cooling Type: ONAN/ONAF

Tapping: On-Load Tap Changer (OLTC) $\pm 10\%$ in 17 steps

Insulation Level: HV: 170 kV BIL, LV: 75 kV BIL

Standards: IS 2026:2011, IEC 60076-1

Accessories: Buchholz relay, PRV, WTI, OTI, MOG, marshalling box

3.2 Material Standards

All materials shall conform to latest revisions of applicable IS and IEC standards. Deviations must be clearly stated in bid with justification.

SECTION 4

QUALITY ASSURANCE & TESTING

4.1 Mandatory Tests

1. Measurement of winding resistance
2. Measurement of voltage ratio and check of phase displacement
3. Measurement of impedance voltage and load loss
4. Measurement of no-load loss and current
5. Insulation resistance measurement
6. Dielectric tests (separate source AC, induced voltage test)
7. Lightning impulse test on HV winding
8. Temperature rise test (if type test required)
9. Noise level measurement

4.2 Inspection

Third-party inspection at manufacturers works is mandatory. Test certificates from NABL/ILAC accredited laboratories must be provided. Organization reserves right to witness tests.

SECTION 5

ELIGIBILITY CRITERIA

Bidders must meet ALL of the following mandatory criteria:

1. Valid manufacturing license / authorized dealer certificate
2. Minimum 5 years experience in similar supplies
3. Average annual turnover "e 110 Crores (last 3 FY)
4. Successfully completed 3 similar orders ("e60% of tender quantity each)
5. Valid BIS license for offered product
6. ISO 9001:2015 and ISO 14001:2015 certifications
7. Valid PAN, GST registration, and tax compliance
8. No blacklisting by any Govt/PSU in last 3 years
9. Manufacturing facility with adequate capacity
10. In-house testing laboratory or tie-up with accredited lab

SECTION 6

COMMERCIAL TERMS

EMD Amount: Rs. 1,00,000

Tender Fee: Rs. 2,950 (non-refundable)

Performance Guarantee: 10% of contract value

Payment Terms: 80% on delivery, 20% after acceptance

Price Validity: 180 days from bid opening

Warranty: 24 months from commissioning

Liquidated Damages: 0.5% per week, max 10% of contract value

SECTION 7

DELIVERY REQUIREMENTS

Delivery Period: 60 days from PO date

Delivery Location: Mumbai - Consignee Central Stores

Packing: Suitable for long distance transportation

Insurance: Comprehensive coverage till acceptance

Documentation: Invoice, packing list, test certificates, warranty card

SECTION 8

EVALUATION PROCESS

Bid System: Two-envelope system (Technical + Commercial)

Technical Evaluation: Pass/Fail based on eligibility & specifications

Commercial Evaluation: L1 determination among qualified bidders

Award Criteria: Lowest evaluated responsive bid

Organization Rights: Accept/reject any bid without assigning reasons

SECTION 9

GENERAL TERMS & CONDITIONS

Governing Law: Laws of India

Jurisdiction: Courts at Mumbai

Arbitration: As per Arbitration & Conciliation Act, 1996

Force Majeure: Standard clause applicable

Amendments: Only through written addendum

SECTION 10

INSTRUCTIONS TO BIDDERS

Bid Language: English only

Bid Currency: Indian Rupees

Bid Validity: 120 days from submission

Submission Mode: As per tender notification

Queries: Email: tenders@powergridc.in

SECTION 11

APPENDICES

Appendix A: Bill of Quantities (BOQ) - To be filled by bidder

Appendix B: Bid Submission Forms - Formats provided

Appendix C: Document Checklist - All items mandatory

Appendix D: Technical Compliance Statement

Appendix E: Past Performance Certificates

DECLARATION

I/We hereby declare that:

- All information provided is true and correct to the best of our knowledge
- We have read and understood all terms and conditions
- We agree to abide by all provisions of this tender
- We have not been blacklisted by any government organization
- We possess adequate capability to execute this contract

For and on behalf of: _____

Authorized Signatory: _____

Name: _____

Designation: _____

Date: 17/10/2025

Place: _____

Company Seal

--- END OF DOCUMENT ---
Tender Reference: UTL-300