

# REQUEST FOR PROPOSAL

FOR SUPPLY OF  
**220kV/33kV Auto Transformer 100 MVA**

## **NTPC Limited**

Established: 2020

Credibility Score: 86/100 | Financial Rating: A

Successfully Completed: 114+ Projects

90% on-time payments

**TENDER ID: UTL-301**

Issue Date: 2025-10-14

Submission Deadline: 2025-11-13T00:00:00.000Z

Document Classification: OPEN TENDER

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# **SECTION 1**

## **INTRODUCTION & BACKGROUND**

### **1.1 About the Organization**

NTPC Limited is a leading utility organization established in 2020. With 5 years of excellence, we have completed 114+ projects maintaining a 86/100 credibility score.

### **1.2 Purpose of RFP**

This RFP invites qualified bidders to supply 220kV/33kV Auto Transformer 100 MVA meeting all technical and quality requirements specified herein.

### **1.3 Tender Schedule**

- Pre-bid Meeting: 21 Oct 2025
- Bid Submission: 2025-11-13T00:00:00.000Z
- Technical Opening: 14 Nov 2025
- Award: 13 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: 20 Nos of 100 MVA transformers

Delivery: Complete supply within 90 days

#### **2.3 Delivery Location**

Consignee Stores: Delhi

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:** 100 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:** Delhi - 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 Delhi

**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@ntpclimite.in](mailto:tenders@ntpclimite.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-301