

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

**NTPC Limited**

Established: 2014

Credibility Score: 50/100 | Financial Rating: A

Successfully Completed: 235+ Projects

75% 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 organization established in 2014. With 10 years of excellence, we have completed 422+ projects maintaining a 50/100 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 high-quality power cables suitable for underground installation in distribution networks. Cables shall be manufactured as per IS 7098 and IEC 60502 standards with proper armoring and sheathing.

#### **2.2 Quantity & Delivery**

Total Quantity: 25000 meters

Delivery Schedule:

- Batch 1 (40%): Within 30 days
- Batch 2 (40%): Within 45 days
- Batch 3 (20%): Within 60 days

#### **2.3 Delivery Location**

Consignee Stores: Delhi

Delivery Terms: FOR Destination (all costs included)

Cables shall be supplied on strong wooden or steel drums. Each drum shall contain continuous lengths wherever possible. Drum ends shall be sealed against moisture. All drums shall be clearly marked with cable details, length, and consignee information.

## **SECTION 3**

### **TECHNICAL SPECIFICATIONS**

#### **3.1 General Requirements**

Voltage Rating: 11 kV

Conductor Material: Aluminium (Class 2 Stranded)

Conductor Size: 185 sq.mm

Insulation: XLPE (Cross-linked Polyethylene)

Screening: Semi-conducting tape over conductor and insulation

Armoring: Galvanized Steel Wire Armour (SWA)

Outer Sheath: PVC Type ST2, Black color

Standards: IS 7098 (Part 1):2018, IEC 60502-2

Test Requirements: Routine, Sample and Type tests as per standards

#### **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. Conductor resistance measurement (100% lengths)
2. High voltage withstand test (3.5 U<sub>0</sub> for 5 minutes)
3. Partial discharge test ("d10pC at 1.73 U<sub>0</sub>)
4. Insulation resistance measurement
5. Thickness measurement of insulation and sheath
6. Tensile strength and elongation test
7. Heat aging test on insulation
8. Water absorption test
9. Fire propagation test (IS 10810)

#### **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 10 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: □ 1,00,000

Tender Fee: □ 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@ntpclimited.com](mailto:tenders@ntpclimited.com)

## **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: 28/11/2025

Place: \_\_\_\_\_

Company Seal

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