

# **REQUEST FOR PROPOSAL**

FOR SUPPLY OF  
**EHV Cable 132kV XLPE 800 sqmm**

## **NTPC Limited**

Established: 2020

Credibility Score: 86/100 | Financial Rating: A

Successfully Completed: 114+ Projects

90% on-time payments

**TENDER ID: UTL-311**

Issue Date: 2025-10-14

Submission Deadline: 2026-01-02T00:00:00.000Z

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 EHV Cable 132kV XLPE 800 sqmm meeting all technical and quality requirements specified herein.

### **1.3 Tender Schedule**

- Pre-bid Meeting: 21 Oct 2025
- Bid Submission: 2026-01-02T00:00:00.000Z
- Technical Opening: 03 Jan 2026
- Award: 01 Feb 2026

## **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: Coimbatore

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 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:** Coimbatore - 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 Coimbatore

**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

# **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

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Tender Reference: UTL-311