

# REQUEST FOR PROPOSAL (RFP)

## INVITATION TO BID FOR SUPPLY OF CABLES

GOVERNMENT PROCUREMENT PORTAL

### BUYER DETAILS

**Organization:** National Thermal Power Corporation (NTPC)

**Location:** Bangalore, India

**RFP ID:** GOV-102

2

ITEMS REQUIRED

### CABLES REQUIRED BY BUYER:

**Item 1:** 154kV EHV Cable - 1C x 800 sqmm Aluminium (8 km)

**Item 2:** 0.6kV Control Cable - 19C x 2.5 sqmm Copper (3 km)

### KEY INFORMATION

**Estimated Budget:** INR 3,69,57,200

**Contact:** cables@ntpc.co.in

**Bid Due Date:**

01 February 2026 at 05:30 pm **Phone:** +91-11-24387111

### IMPORTANT NOTICE:

Vendors must submit quotations for ALL 2 item(s) listed above.

Partial quotations will be rejected. Please ensure compliance with all technical specifications.

## SECTION 1: SCOPE OF SUPPLY

Supply of 2 type(s) of cables as detailed below:

Item	Cable Type	Voltage	Size	Cores	Conductor	Qty(km)	Standard
1	EHV Cable	154kV	800 sqmm	1C	Aluminium	8	IEC 60840
2	Control Cable	0.6kV	2.5 sqmm	19C	Copper	3	IS 1554

### ITEM 1 SPECIFICATIONS: EHV Cable

<b>Cable Type</b>	EHV Cable
<b>Voltage Rating</b>	154kV
<b>Conductor Material</b>	Aluminium
<b>Cross Section</b>	800 sqmm
<b>Number of Cores</b>	1 Core
<b>Insulation</b>	XLPE
<b>Armour</b>	Armoured
<b>Quantity</b>	8 km
<b>Standard</b>	IEC 60840

### ITEM 2 SPECIFICATIONS: Control Cable

<b>Cable Type</b>	Control Cable
<b>Voltage Rating</b>	0.6kV
<b>Conductor Material</b>	Copper
<b>Cross Section</b>	2.5 sqmm
<b>Number of Cores</b>	19 Core
<b>Insulation</b>	PVC
<b>Armour</b>	Armoured
<b>Quantity</b>	3 km
<b>Standard</b>	IS 1554

## SECTION 2: TESTING REQUIREMENTS

### Tests for Item 1: EHV Cable 154kV

**Routine Tests:**

1. Insulation Resistance Test (XLPE EHV) as per IS 10810

**Type Tests:**

1. High Voltage Test (EHV) as per IEC 60840
2. Water Immersion Test (HT/EHV) as per IEC 60502
3. Partial Discharge Test (EHV) as per IEC 60840

### Tests for Item 2: Control Cable 0.6kV

**Routine Tests:**

1. Spark Test (Control/Instrumentation) as per IS 7098
2. Voltage Drop Test (Control) as per IS 3961

**Type Tests:**

1. Bending Test as per IS 7098
2. Tensile Strength Test as per IS 5831

**THIRD PARTY INSPECTION:**

TPI by NABL/CPRI accredited agency mandatory before dispatch.

## SECTION 3: BID SUBMISSION INSTRUCTIONS

### IMPORTANT: READ CAREFULLY BEFORE SUBMISSION

#### SUBMISSION MODE: PHYSICAL SUBMISSION BY COURIER

Bidders must submit sealed bid documents on company letterhead via registered post/courier.

##### Submission Address:

Chief Procurement Officer,  
National Thermal Power Corporation (NTPC),  
Procurement Department,  
Bangalore, India - 400001

##### Envelope Marking:

"BID FOR GOV-102 - DO NOT OPEN BEFORE DUE DATE"

##### Documents Required:

1. Covering Letter on Company Letterhead
2. Technical Bid (Envelope 1)
3. Commercial Bid (Envelope 2)
4. EMD/Bid Security (if applicable)

#### DEADLINE REMINDER

All bids must be received before: 01 February 2026 at 05:30 pm

Late submissions will not be accepted under any circumstances.

## SECTION 4: TERMS & CONDITIONS

1. DELIVERY: Within 30 days from PO.
2. PAYMENT: 50% advance, 50% on delivery
3. WARRANTY: 36 months from commissioning.
4. LD: 0.75% per week, max 7.5%.
5. VALIDITY: 60 days from due date.
6. DAMAGE: Joint inspection at delivery
7. INSURANCE: All-risk insurance by seller
8. QUALITY: Must conform to IS/IEC standards.
9. INSPECTION: Buyer may inspect at any stage.
10. REJECTION: Buyer reserves right to reject any bid.
11. Urgent delivery premium up to 5%
12. Bank guarantee 10% required