

REQUEST FOR PROPOSAL (RFP)

INVITATION TO BID FOR SUPPLY OF CABLES

GOVERNMENT PROCUREMENT PORTAL

BUYER DETAILS

Organization: National Thermal Power Corporation
Location: (NTPC)
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
Bid Due Date: 01 February 2026 at 05:30 pm
Contact: cables@ntpc.co.in
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

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

ITEM 2 SPECIFICATIONS: Control Cable

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

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.

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.

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