



REQUEST FOR PROPOSAL (RFP)

Supply of Electrical Wires and Cables

1. Project Overview

Infrastrak Solutions Limited Authority invites bids from eligible Original Equipment Manufacturers (OEMs) for the supply of electrical wires and cables for an upcoming infrastructure project. The scope of this RFP includes medium voltage power cables and low voltage control cables.

2. Key Bid Information

- RFP Reference No: RFP-INFRA-CABLE-2025-ALT
- Bid Type: Two-part bid (Techno-Commercial and Price)
- Bid Submission Deadline: 30 August 2025
- Delivery Location: Pune, Maharashtra
- Delivery Schedule: Within four (4) months from Purchase Order
- Warranty: 12 months from installation or 18 months from dispatch

3. Scope of Supply

The scope of supply includes manufacturing, testing, inspection, packing, and delivery of the cables listed below in accordance with applicable standards.

4. Technical Requirements

4.1 Medium Voltage Power Cable (33 kV)

The bidder shall supply 33 kV medium voltage power cables meeting the following minimum requirements:

- XLPE insulated and armoured power cable
- Three-core aluminium conductor, 240 sqmm
- Voltage rating: 33 kV
- Applicable standards: IS 7098 (Part 2) / IEC 60502
- Approximate required length: 1,200 meters

Environmental & Deployment Requirement:

The cables shall be suitable for continuous operation under Indian climatic conditions with ambient temperature up to 50°C and shall comply with relevant IEC and IS standards.

Preference will be given to products with proven deployment in similar infrastructure projects.

4.2 Low Voltage Control Cable (1.1 kV)

The bidder shall also supply low voltage control cables with the following characteristics:

- PVC insulated, unarmoured control cable
- Twelve-core copper conductor, 2.5 sqmm
- Voltage rating: 1.1 kV
- Applicable standards: IS 1554
- Approximate required length: 2,800 meters

Environmental & Deployment Requirement:

The cables shall be suitable for continuous operation under Indian climatic conditions with ambient temperature up to 50°C and shall comply with relevant IEC and IS standards.

Preference will be given to products with proven deployment in similar infrastructure projects.

5. Testing and Acceptance

The supplied cables shall undergo routine tests, acceptance tests, insulation resistance tests, and mechanical tests as per applicable standards. High voltage testing shall be conducted for medium voltage cables where applicable.

6. Commercial Requirements

Price bids shall include unit price per meter, total material cost, and costs associated with mandatory testing. Pricing data may be synthetic or indicative for evaluation purposes.

7. Data & System Assumptions

- This RFP is a representative sample created for evaluation and demonstration purposes.
- OEM product datasheets shall be used to validate specifications not explicitly stated.
- Product and testing prices may be based on synthetic data.

8. Declaration

The bidder confirms compliance with all technical, testing, and commercial requirements specified in this RFP.

Authorized Signatory:

Date: