

REQUEST FOR PROPOSAL (RFP)

DELHI METRO RAIL CORPORATION (DMRC)

Ref No: DMRC/CABLES/2025/001 Date: December 09, 2025

1. INTRODUCTION

The Delhi Metro Rail Corporation (DMRC) invites proposals from interested bidders for the "Supply of Control and Communications grade Copper Cables" as per the specifications mentioned in this document.

1.1. PREPARATION AND SUBMISSION OF BIDS

Proposals are invited from interested bidders for the supply of Copper Cables in a two-part bid system:

- Part-1: Techno-Commercial Bid (Unpriced details).
- Part-2: Price Bid (Price details only).

This RFP is being issued with no financial commitment. DMRC reserves the right to withdraw or vary the RFP at any stage without assigning any reason thereof. Bidders shall bear all costs associated with the preparation and submission of their bid, and DMRC will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

OEM Requirement: Tenders are invited from Original Equipment Manufacturers (OEM) only. Bids from traders/resellers without valid OEM authorization may be summarily rejected. The OEM authorization must be specific to this tender and valid on the date of submission.

Part-I (Techno-Commercial) must contain:

- Compliance Statement (Annexure I & II) demonstrating adherence to all technical and commercial terms specified in this RFP.
- Detailed Technical Data Sheets for the offered Copper Cables, including performance characteristics, material composition, and compliance with relevant industry standards.
- Valid OEM Authorization Certificate, confirming the bidder's status as an authorized supplier or manufacturer for the products being offered.
- All other documents specified in the Section 2 (Scope of Work and Technical Specifications) and Section 3 (General Conditions of Contract).

Note: Any price details, whether explicit or implied, mentioned or included in Part-I (Techno-Commercial Bid) will lead to the outright rejection of the entire bid. Bidders must ensure that Part-I contains strictly non-price information.

1.2. CONTACT INFORMATION AND KEY DATES

Activity	Date/Details
RFP Issuance Date	December 09, 2025
Last Date for Submission of Queries	December 16, 2025
Pre-Bid Meeting Date	December 18, 2025
Bid Submission Deadline	December 30, 2025
Part-1 Opening Date	December 30, 2025
Contact Person	Chief Engineer/Contracts
Address for Submission	DMRC Corporate Office, New Delhi
Email for Queries	230206.cb@rmkec.ac.in

1.3. SCOPE OF WORK (Brief Summary)

The scope of work under this RFP primarily includes the design, manufacturing, testing, inspection, supply, and delivery of various configurations of Control and Communications grade Copper Cables to designated DMRC project sites within the National Capital Region (NCR). The cables must strictly conform to the technical specifications outlined in Annexure II. Quantity requirements are indicative and subject to change as per DMRC's final requirement. The successful bidder will be responsible for quality assurance throughout the manufacturing and supply chain process.

1.4. GENERAL CONDITIONS OF CONTRACT

The following general conditions shall apply to the contract resulting from this RFP:

S. No.	Description	Vendor Compliance
1.	Prices: Quoted prices should be on the basis of F.O.R. DMRC Depots, Delhi NCR. Transit insurance is the vendor's responsibility. DMRC pays only for stores received in good condition.	
2.	Offer Validity: Bid shall remain valid for 120 days from the tender opening date.	

S. No.	Description	Vendor Compliance
3.	Local Content: Preference given to Class-I & Class-II Local Suppliers per "Make in India" Order 2017. Bidders must declare local content percentage.	
4.	Delivery Schedule: Supply must be completed within 4 MONTHS from the order placement date. Delivery date is the essence of the contract.	
5.	Liquidated Damages: Delay in supply attracts a penalty of 0.5% per week, up to a maximum of 10% of the contract value.	
6.	Warranty: Cables shall be guaranteed against manufacturing defects for 12 months from installation or 18 months from dispatch, whichever is earlier.	
7.	Payment Terms: 100% payment within 30 days of receipt and acceptance of material, subject to submission of Performance Bank Guarantee (PBG).	
8.	Performance Bank Guarantee (PBG): Vendor must submit a PBG for 3% of the contract value, valid for the warranty period plus 2 months claim period.	
9.	Arbitration: Disputes settled by a Sole Arbitrator in New Delhi under the Arbitration and Conciliation Act 1996.	

2. QUALIFICATION CRITERIA (QC)

S. No.	Qualification Criteria	Vendor Remarks
1.	Experience: The bidder must have supplied Copper Cables to private/public organizations in the last 5 years ending 31-03-2024.	
2.	Past Performance: Submit copies of Purchase Orders (POs) executed in the last 5 years:• One PO > Rs. 150 Lakhs OR• Two POs > Rs. 75 Lakhs OR• Three POs > Rs. 50 Lakhs.	
3.	Turnover: Average annual turnover of not less than Rs. 175 Lakhs during the last three financial years.	
4.	Non-Blacklisting: Self-declaration that the firm has not been debarred/blacklisted by any Govt. Dept/PSU.	

2. TECHNICAL SPECIFICATIONS

2.1. 25 CORE ARMoured CONTROL CABLE

Preferred Makes: Polycab, CMI, Delton, Paramount, APAR, Uniflex.

Conductor: 48/0.2 mm standard ATC (IS 8130).

Insulation: Extruded HDPE, nominal thickness 1 mm.

Shielding: Overall shielded with Aluminum Mylar tape.

Sheath: Extruded HR PVC Type ST-2, Anti-termite & Anti-rodent, Black.

Armouring: Galvanized Steel flat flexible strip (IS 3975).

Quantity: 11 Km \pm 5%

2.2. 12 PAIR ARMoured COPPER CABLE

Conductor: 7/0.27 mm dia ATC (IEC 60228).

Formation: Twisted pairs, 100% shielded with Poly Aluminum Foil.

Sheath: Min 2 mm thick FRLS/HR PVC, Black.

Armouring: Galvanized Steel round wire/flat strip.

Quantity: 3 Km \pm 5%

2.3. 12 PAIR (UNARMoured) COPPER CABLE

Specifications: Same as Item 2.2, but Unarmoured.

Quantity: 5 Km \pm 5%

2.4. 4 PAIR (UNARMoured) COPPER CABLE

Conductor: 7/0.32 mm dia ATC.

Formation: Twisted pairs (15-20 twists/m), Shielded, FRLS/HR PVC sheath.

Quantity: 5 Km \pm 5%

2.5. 18 PAIR ARMoured COPPER CABLE

Conductor: 7/0.27 mm dia ATC.

Armouring: GI flat strip 4.0 x 0.80 mm, 95% coverage.

Quantity: 3 Km \pm 5%

2.6. ARMoured CAT6 STP CABLE

Conductor: 23 AWG solid bare copper.

Shield: Aluminium/Polyester Foil + Tinned Copper Braiding.

Armour: Corrugated ECCS Tape.

Frequency: Min 100 MHz.

Quantity: 6 Km \pm 5%

2.7. PTFE INSULATED EQUIPMENT WIRE

Type: ET, 250V AC.

Conductor: Silver/Nickel Plated Copper.

Quantity: 4000 Meters each for 16 AWG, 20 AWG, and 24 AWG.

PART-II: PRICE BID FORMAT

Note: Do not include these prices in the Technical Bid (Part I)

S. No.	Item Description	Qty (Meters)	Unit cost	Total cost
1.	25 Core Armoured Control Cable	11,000		
2.	12 Pair Armoured Copper Cable	3,000		
3.	12 Pair (Unarmoured) Copper Cable	5,000		
4.	4 Pair (Unarmoured) Copper Cable	5,000		
5.	18 Pair Armoured Copper Cable	3,000		
6.	Armoured Cat6 STP Cable	6,000		
7.	PTFE Insulated Equipment Wire (16 AWG)	4,000		
8.	PTFE Insulated Equipment Wire (20 AWG)	4,000		
9.	PTFE Insulated Equipment Wire (24 AWG)	4,000		
	Sub-Total			
	GST			
	Grand Total			