

# GOVERNMENT OF INDIA

## Ministry of Urban Development

Chennai Metro Rail Limited (CMRL)

Tender ID: TN/INFRA/2024/042

Reference: NHAI/TN/EPC/2239

Issue Date: 16/5/2024

Deadline: 6/7/2024

## Construction of Metro Rail Phase-III Extension

Urban Transit - Chennai, Tamil Nadu

### 1. INTRODUCTION & SCOPE OF WORK

Extension of the existing metro rail network covering 45 km of underground and elevated sections, including 32 stations with modern amenities, parking facilities, and integration with existing transportation systems.

The project encompasses comprehensive infrastructure development including detailed survey, design, construction, and maintenance activities. The terrain presents unique challenges with varying soil conditions, existing utility networks, and environmental considerations.

This initiative is part of the larger infrastructure modernization program aimed at enhancing connectivity, reducing travel time, and promoting economic development in the region.

## 2. TECHNICAL SPECIFICATIONS

- Carriageway Width: 7.0m per lane with 1.5m shoulder
- Pavement Type: Flexible pavement with bituminous surface
- Sub-base: 150mm thick granular sub-base (GSB)
- Base Course: 250mm thick wet mix macadam (WMM)
- Binder Course: 50mm thick bituminous macadam (BM)
- Wearing Course: 25mm thick bituminous concrete (BC)
- Drainage: RCC box culverts and pipe culverts
- Median: 1.2m wide with crash barriers
- Guardrails: W-beam guardrails at critical locations
- Signage: Reflective signage as per IRC standards

## 3. ELIGIBILITY CRITERIA

### Financial Capability:

- Minimum average annual turnover of \$177 crores over the last 3 years
- Net worth of at least \$89 crores
- Liquid assets of minimum \$44 crores

### Technical Capability:

- Minimum 3 similar projects completed in the last 7 years
- CPWD Grade-I registration or equivalent
- ISO 9001:2015 certification

4. BILL OF QUANTITIES (BOQ)

Sl.	Description	Unit	Qty	Rate	Amount
1	Earthwork in Excavation	Cum	1,25,000	180	2,25,00,000
2	Embankment with Selected Material	Cum	85,000	220	1,87,00,000
3	Granular Sub-base	Cum	45,000	850	3,82,50,000
4	Wet Mix Macadam	Cum	35,000	1,200	4,20,00,000
5	Bituminous Macadam	Cum	15,000	3,500	5,25,00,000
6	Bituminous Concrete	Cum	8,000	4,200	3,36,00,000
7	RCC Box Culvert	Cum	2,500	6,500	1,62,50,000
8	Crash Barriers	Rm	15,000	1,200	1,80,00,000
9	Traffic Signage	Sqm	500	2,500	12,50,000
10	Road Marking	Sqm	25,000	45	11,25,000
11	Street Lighting	Nos	200	15,000	30,00,000
12	Landscaping	Sqm	50,000	125	62,50,000
				TOTAL:	\$25,34,25,000

Total in words: Twenty Five Crore Thirty Four Lakh Twenty Five Thousand Only

## 5. PENALTY CLAUSES

5.1 Delay Penalties: For delay in completion beyond the scheduled date, penalty shall be imposed @ 0.05% of the total contract value per day of delay, subject to a maximum of 5% of the total contract value.

5.2 Quality Failure: In case of quality failure or non-compliance with specifications, the contractor shall be liable to rectify the defects at their own cost.

5.3 Force Majeure: Force majeure events including natural disasters, acts of government, war, or pandemic shall be considered for extension of time without penalty.

## 6. SUBMISSION INSTRUCTIONS

Submission Portal: <https://eprocure.gov.in/cppp/>

EMD Amount: \$886 Lakhs

Required Documents: Technical bid, Financial bid, Company registration, Audited financials, Experience certificates, Valid licenses

## 7. CONTACT INFORMATION

**Superintending Engineer**

Project Implementation Unit

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