



**MUMBAI METROPOLITAN REGION DEVELOPMENT
AUTHORITY**

**DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING,
TRAINING OF PERSONNEL, 2 YEARS DLP INCLUDING
MAINTENANCE AND 3 YEARS OF COMPREHENSIVE
MAINTENANCE POST DLP FOR LIFT & ESCALATOR WORKS OF
LINE 2B (DN NAGAR TO MANDALE) OF MUMBAI METRO RAIL
PROJECT OF MMRDA.**

ICB NO: MMRDA/2B/MMRP/CA-162

TENDER DOCUMENTS

**INVITATION FOR BIDS
(IFB)**

FEBRUARY – 2024

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

**Metro PIU, 1st Floor, A-wing, Old Administrative Building, Bandra-Kurla
Complex, Bandra (E), Mumbai –400 051, India**

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Invitation for Bids (IFB)

Date: 07.02.2024

Loan/ Grant No. and Title: 18IN04

Contract No. and Title: **MMRDA/2B/MMRP/CA-162:** DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING, TRAINING OF PERSONNEL, 2 YEARS DLP INCLUDING MAINTENANCE AND 3 YEARS OF COMPREHENSIVE MAINTENANCE POST DLP FOR LIFT & ESCALATOR WORKS OF LINE 2B (DN NAGAR TO MANDALE) OF MUMBAI METRO RAIL PROJECT OF MMRDA.

Deadline for Submission of Bids: 03.04.2024

- 1.0** The MMRDA has received financing from the New Development Bank (NDB) towards the cost of “**DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING, TRAINING OF PERSONNEL, 2 YEARS DLP INCLUDING MAINTENANCE AND 3 YEARS OF COMPREHENSIVE MAINTENANCE POST DLP FOR LIFT & ESCALATOR WORKS OF LINE 2B (DN NAGAR TO MANDALE) OF MUMBAI METRO RAIL PROJECT OF MMRDA.**”, and it intends to apply part of the proceeds of this financing to payments under the contract named above. Bidding is open to Bidders from eligible source countries of NDB.
- 2.0** The Mumbai Metropolitan Region Development Authority (MMRDA) (“the Employer”) invites bid from eligible Bidders for the **same work**.

Key details:

Completion period of the Work	Project Completion: Design & Build (DB): 36 Months + Defect Liability Period (DLP): 24 Months + Comprehensive Maintenance: 36 Months
Estimated Cost of Works	INR 148.59 Crore (Excluding GST)
Tender Security (EMD)	INR 1.49 Crore
Tender documents on sale	From 07.02.2024 (From 1100 hrs.) to 03.04.2024 (up to 1100 hrs.) on Government of Maharashtra’s Mahatender portal https://mahatenders.gov.in/nicgep/app . Tender document can only be obtained online after registration of tenderer on the e-tendering portal of Government of Maharashtra.
Cost of Tender documents	INR (5,000 + 18% GST) Total INR 5,900 Non-Refundable. Tender Document and Supporting can be downloaded for reference purpose from Government of Maharashtra’s GoM Mahatender Portal https://mahatenders.gov.in/nicgep/app during the period mentioned in the tender notice.
Last date of Seeking Clarifications	21.02.2024 up to 1730 hrs. Queries/clarifications from bidders after due date and time shall not be acknowledged.
Pre-bid Meeting	23.02.2024 at 1100 hrs.

Last date of issuing addendum	09.03.2024
Date & time of Submission of Tender online	03.04.2024 up to 1500 hrs.
Date & time of Tender Opening	Opening of Packet-A: 04.04.2024 at 1501 hrs. Opening of Packet-B: 04.04.2024 at 1501 hrs. Opening of Packet-C: Will be intimated later
Authority for purchase of tender documents, seeking clarifications and submission of completed tender documents.	Director (System) - Metro PIU (Systems), 1 st Floor, A-wing, Old Administrative Building Mumbai Metropolitan Region Development Authority (MMRDA), Bandra Kurla Complex, Bandra (E), Mumbai – 400051 Phone: 91(22)26597552 / 91(22)26597559 Email: metropiu.systems@mailmmrda.maharashtra.gov.in https://mmrda.maharashtra.gov.in

3.0 International competitive bidding (ICB) will be conducted in accordance with FIDIC Yellow book and New Development Bank (NDB) Single Stage Two Envelope procedure and is open to all Bidders from eligible countries as described in the Bidding Document.

4.0 Only eligible Bidders with the following key qualifications defined in the Bidding Document may participate in this bidding:

4.1 Minimum Eligibility Criteria:

4.1.1 Work Experience:

• **General Construction Experience:**

Experience of Supply in the role of Prime Contractor or Supplier either Single Entity, JV Member or Management Contractor or Sub-Contractor for at least 7 years up to last day of month previous to the one in which bids are invited.

• **Specific Supply and Contract Management:**

The Bidder (Single Entity or Joint Venture or concerned member of Joint Venture) should have successfully carried out the following work(s) during the last 7 years ending last day of the month previous to the month of tender submission as given below:

- One Similar Work (defined under similar works# satisfactorily and substantially## completed as a prime contractor, joint venture member, management contractor or subcontractor of minimum value **INR 118.87 Crore** or more.

OR

- Two Similar Works (defined under similar works# satisfactorily and substantially## completed as a prime contractor, joint venture member, management contractor or subcontractor of minimum value **INR 74.30 Crore** or more.

OR

- Three Similar Works (defined under similar works# satisfactorily and substantially## completed as a prime contractor, joint venture member, management contractor or subcontractor of minimum value **INR 59.44 Crore** or more

Similar Works #: “Design, manufacture, supply, installation, testing and commissioning of Elevators (Lifts) and/or Escalators for Railway Station(s) / Metro Station(s) / Suburban Railway Station(s) / Airport(s).

Substantially ##: Substantial completion shall be based on 80% or more works completed under the contract and commissioned.

• **Specific Experience:**

For the above or other contracts (Cumulative/ Total) between 1st January 2017 and the Bid submission deadline, a minimum experience in all the following key activities should have been successfully completed at least 78 nos. similar Heavy-Duty* Lifts and 99 nos. Heavy-Duty** Escalators to Railway Station(s) / Metro Station(s) / Suburban.

Heavy Duty* means Lifts shall be capable of operating satisfactorily and smoothly for 180 motors starts per hour or above for a period of not less than 20 hours per day, seven day a week, during which the Lifts shall run continuously with the contract load for 12 hours and shall travel up and down with intermediate stops within the environmental conditions as stated in the General Specification and at the location where the lifts are to be installed. These lifts should be designed for minimum 10,00,000 (Ten lakh) operations per year. The heavy-duty lifts should be a proven, energy efficient, tested and sustainable product for MRTS applications in terms of technology, design & safety as per EN81 and NFPA130 (latest edition).

Heavy Duty** means Escalators shall have proven design of energy efficiency with VVVF (Variable voltage variable frequency) drive, reversible type and capable of operating safely, smoothly and continuously in both directions for a period of not less than 20 hours a day, seven (7) days a week with an alternating passenger load reaching 100% of Contract Load (120kg per step, including all horizontal steps) for 01 hour and 50% of Contract Load for the following 02 hours and so on for 20 hours a day, seven days a week within the environmental conditions as stated in the General Specification and at the location where the escalators are to be installed. The heavy-duty escalator should be a proven, tested and sustainable product for MRTS applications in terms of technology and design as per EN115 and NFPA130 (latest edition)

4.1.2 Financial Standing: In addition to the Criteria mentioned in the Tender Documents, the following financial standings shall also be considered.

- i. **T1 – Liquidity:** The Bidder must demonstrate that its financial resources less its financial obligations for its current contract commitments, meet or exceed the total requirement for the Subject Contract of **INR 8.25 Crore**.
- ii. **T2 - Net Worth:** As a minimum, the Bidder’s net worth should be positive for at least 03 years out of last 05 financial years calculated as the difference between total assets and total liabilities.
- iii. **Average Annual Turnover:** Minimum average annual turnover of **INR 74.30 Crore** calculated as total certified payments (certified by CA) received for contracts in progress or completed, within the last **05** years.
- iv. **Bid Capacity Criteria:** The tenderers will be qualified only if their available bid capacity is more than the estimated cost of work as per EQC.

5.0 To obtain further information and inspect the Bidding Documents, Bidders should contact:

Director (Systems)-Metro PIU,
1st Floor, A-wing, Old Administrative Building
Mumbai Metropolitan Region Development Authority (MMRDA),
Bandra Kurla Complex, Bandra (E), Mumbai – 400051, Maharashtra, INDIA.

Phone: +91(22) 26597552,
Email: metropiu.systems@mailmmrda.maharashtra.gov.in
Mahatender website: <https://mahatenders.gov.in/nicgep/app>

6.0 Bidding Documents and Supporting Documents in English can be downloaded by eligible Bidders for reference purpose from Government of Maharashtra's GoM Mahatender portal during the period mentioned in the tender notice. Interested Bidders have to make payment of Tender Fee using online payment gateway of Mahatender portal during bid preparation. Receipt for e-Tender Fee to be uploaded in e-Envelope '1':

7.0 The Tender documents consist of:

Part I BIDDING PROCEDURES

- Section 1 - Instructions to Bidders (ITB)
- Section 2 - Bid Data Sheet (BDS)
- Section 3 - Evaluation and Qualification Criteria (EQC)
- Section 4 - Bidding Forms (BDF)
- Section 5 - Eligible Countries (ELC)

Part II REQUIREMENTS

- Section 6 - Employer's Requirements (ERQ) - including Technical Specifications, General Specifications, Drawings, Project information and SHE

Part III CONDITIONS OF CONTRACT AND CONTRACT FORMS

- Section 7 - General Conditions of Contract (GCC)
- Section 8 - Particular Conditions of Contract (PCC)
- Section 9 - Contract Forms (COF)

8.0 Deleted.

9.0 Tender submissions will be made online after uploading the mandatory scanned documents. Bid shall comprise of two envelopes submitted simultaneously online on the GoM Mahatender portal in electronic envelopes as under within prescribed schedules.

a. e-Envelope "1"

- **Packet – A:** Eligibility & Qualification
- **Packet – B:** Technical Eligibility

b. e-Envelope "2" (Financial bid) Packet-C consisting of Price Bid.

10.0 Single-Stage Two Envelope System:

Bidder should note that there are two electronic envelopes, One for Eligibility & Qualification and Technical Bid & Second for Financial Bid.

The bidder shall quote his offer based on the cost centers provided in Section-4.

11.0 Tender Evaluation and Award Criteria:

A) Eligibility & Qualification Packet-A – The tenderers qualified in Eligibility & Qualification criteria shall only be eligible for technical bid opening Packet "2" (Technical bid).

B) Technical Eligibility Packet-B - The tenderers scoring minimum 75 marks in technical evaluation will only be eligible for financial bid opening e-Envelope "2" (Financial bid).

C) Financial bid Packet-C evaluation will be done as described in Bid Documents.

More information useful for submitting online bids on the GoM Mahatender Portal may be obtained at: <https://mahatenders.gov.in/nicgep/app>.

Since the e-tendering system shall calculate the amount of Quoted figures, which may change due to error and corrections in Foreign Currencies, the automated mail related to comparison does not depict the correct

picture and hence does not hold good. The Correct status related to it shall be depicted/ uploaded later on.

**Director (System) – Metro-PIU (Systems),
1stFloor, A-wing, Old Administrative Building,
Mumbai Metropolitan Region Development Authority (MMRDA)**