

MAHARASHTRA METRO RAIL CORPORATION LIMITED

EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.

EOI

- **NOTICE OF INVITATION FOR EXPRESSION OF INTEREST**
- **INSTRUCTIONS TO APPLICANTS**

MAHARASHTRA METRO RAIL CORPORATION LIMITED

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EOI

**NOTICE OF INVITATION FOR
EXPRESSION OF INTEREST**

MAHARASHTRA METRO RAIL CORPORATION LIMITED

Date:

TO

FROM

Managing Director,
Maharashtra Metro Rail Corporation Ltd,
METRO BHAVAN ,East High Court road
(VIP Road),Opp Dr.Babasaheb Ambedkar
College, Near Diksha Bhoomi, Nagpur -
440010

MAHARASHTRA METRO RAIL CORPORATION LIMITED

**EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY,
TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING
ON OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION
LTD.**

EOI

NOTICE OF INVITATION

Maharashtra Metro Rail Corporation Ltd. (MAHAMETRO) invites Expressions of Interest (EOI) for providing 50 Coaches (36 coaches for corridor 1 and 14 coaches for corridor 2) for MAHAMETRO METRO NEO IN NASHIK PROJECT.

This document is an Expression of Interest (EOI) published by Maharashtra Metro Rail Corporation Ltd. to solicit and examine the response of the firms/companies/entities that are supplying or capable of supplying the Trolley Buses and their maintenance as per the details mentioned in this document.

The current document is therefore to explore the response from perspective applicants. The timelines and the quantity of units mentioned in this document are subject to change and shall be firmed up while the Technical and Commercial offers i.e. Request for Proposal (RFP) are called for by MAHAMETRO at a later date.

Some of the conditions are briefly mentioned in this document. These are subject to change based on the review of the response received.

The EOI documents comprises of

- Notice of Invitation
- Instruction to Applicants and Annexures

The Documents describing the Scope of Work and the Terms and Conditions for the EOI are enclosed with this Notice of Invitation. The Evaluation and Determination of Responsiveness of EOI and subsequently RFP submission shall solely be carried out by MAHAMETRO.

EOI Notice No. NS1-RS-02/2021	Dt.22.03.2021
NAME OF WORK:	EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.

KEY DETAIL:

Documents on sale	Documents can be downloaded from 16.00 hrs. on 23.03.2021 to 16.00 hrs. on 05.05.2021 from Maha-Metro's e- tender Portal.
Cost of documents	NIL
Date of Pre-EOI Meeting	11:00 Hrs on 20.04.2021 at METRO BHAVAN, East High Court road (VIP Road),Opp Dr.Babasaheb Ambedkar College, Near Diksha Bhoomi, Nagpur – 440010
Last date for seeking clarifications	Up till 11.00 Hours on 20.04.2021 by E-mail at mail Id md.nmrc.tenders@gmail.com
Date & Time of submission of EOIs	Online submission up to 16.00 Hrs on 05.05.2021 at MAHA - METRO's e-tender portal : https://mahametrorail.etenders.in
Date & Time of Opening of EOIs	On 05.05.2021 at 16.30 Hrs.
<ol style="list-style-type: none"> 1. Submission and other details related to EOI are available on Maharashtra Metro Rail Corporation Limited tender portal under section in e- tenders. https://mahametrorail.etenders.in 2. In view this tender notice, interested Agencies may visit the Maha-Metro website www.metrotrainnagpur.com”. 3. The applicant shall bear all costs associated with the preparation and submission on the EOIs. Maha-Metro, will in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the EOI process. 4. Please note carefully the requirements for submitting EOIs, and the date and time for submittal. Late or delayed EOIs will not be accepted. 	

**Executive Director (Procurement)
MAHA-METRO, Nagpur**

MAHARASHTRA METRO RAIL CORPORATION LIMITED

EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.

EOI

INSTRUCTIONS TO APPLICANTS (INCLUDING ANNEXURES)

MAHARASHTRA METRO RAIL CORPORATION LIMITED

EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.

EOI

INSTRUCTIONS TO APPLICANTS (INCLUDING ANNEXURES)

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MAHARASHTRA METRO RAIL CORPORATION LIMITED

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EOI

INSTRUCTIONS TO APPLICANTS

INSTRUCTIONS TO APPLICANTS

A. Introduction

A1 Definitions

In this Request for Expression of Interest, the words and expressions shall have the meanings assigned to them, except where the context requires otherwise. Words indicating persons or parties include corporations and other legal entities except where the context requires otherwise.

- (i) **“Applicant”** means the single entity/consortium/joint venture submitting the EOI.
- (ii) **“Contract Period”** means the total contract duration in years during which the Contractor shall be responsible for the supply ,testing, comissioning and maintenance of the supplied Stock.
- (iii) **“Commencement Date”** means the date of issue of LoA (Letter of Acceptance)
- (iv) **“Engineer”** means any person nominated or appointed from time to time by the Employer to act as the Engineer for purposes of the contract and notified as such in writing to the Contractor.
- (v) **“Employer”** means MAHARASHTRA METRO RAIL CORPORATION LIMITED (MAHAMETRO), its legal successors and assignees.
- (vi) **“Contractor”** means the applicant whose proposal has been finally accepted by the Employer and the legal successors in title to such person, but not (except with the consent of the Employer) any assignee of such person.
- (vii) **“METRO NEO IN NASHIK”** means the metro Corridor between Gangapur-Nashik Road Railway Station (22 Km) and Gangapur-Mumbai Naka(10 Km), including any extension in future.
- (viii) **“METRO NEO COACH “** means rolling stock or trolleybus viz., rubber tyred articulated electric driven bus running on overhead wires (OHE), wherever referred in this Eol document
- (ix) **“Operator”** means the Employer.
- (x) **“Project”** means design, manufacture, supply, testing, commissioning of tyred based electric bus running on OHE and training of personnel (Metro Neo in Nashik) of Maharashtra Metro Rail Corporation Ltd.”.
- (xi) **“RFP”** means Request For Proposal.
- (xii) **“RSM”** means the Rolling Stock Manufacturer.

A2 General Description of the Work

A2.1 General Information

The Metro Neo system is to be implemented in tier 2 or tier 3 Indian cities with over 8000PHPDT where heavy metro is not viable. This document describes few technical requirements for such a system named Metro Neo which will be at much lesser cost, rail guided, rubber tyred electric coaches powered by overhead traction system running on a road slab (elevated/at-grade).

'Metroneo' would also act as feeder system to high capacity Metro in Tier 1 metropolitan cities and shall act as a main transport system in tier 2 or tier 3 Indian cities. In addition to less capital cost, the operation and maintenance cost of Metro neo would also be less making the system more viable.

The proposed model envisages to seek offers from applicants for design, manufacture, supply, testing, commissioning of tyred based electric bus running on ohe and training of personnel (metro neo in nashik) of Maharashtra Metro Rail Corporation Ltd. . The criteria for availability of Trolley Buses shall be detailed in the RFP document. The Contractor shall be responsible for design, manufacture, supply, testing, commissioning of tyred based electric bus running on OHE and training of personnel as per the contract. The Table below shows likely route length of the corridor.

(TABLE-A)

Sl. No.	Name of the Corridor	Elevated/ At Grade (km)	Total (km)	Stations
(i)	(Corridor-1) 22Km Gangapur-Nashik Road Railway Station	22	22	20
(ii)	(Corridor-2) 10 km Gangapur-Mumbai Naka	10	10	10

Existing corridor is having 50 coaches out of which 36 coaches are for corridor 1, and 14 coaches are corridor 2 .

A2.2 Rolling Stock (Trolleybus) Supply.

The Employer at his discretion may advise the Contractor in writing about increased requirement of Trolley Bus . For any increase in quantity, Employer may exercise the option. Contractor shall be required to supply increased ordered quantities at the contracted terms & conditions and determined prices.

A2.3 Functional and Performance based specifications

The work comprises supply of adequate number of Trolley buses conforming to detailed performance and functional requirements which shall be advised in the RFP document. The cars required for the corridors shall be of modern design, lightweight made of stainless steel/Aluminium, rail guided, regenerative braking and compatible to work with ATP as available at site. The cars shall operate on 750 V dc flexible Overhead Catenary System (OCS). The standard specifications of Metro neo system as issued by Ministry of Housing and Urban Affairs (India) is to be complied by the supplier and is attached as Annexure 5

A2.4 Indigenization requirements

Government of India Policy documents attached as Annexure-IV

A2.5 Contract Period-

The contract completion period of design, manufacture, supply, testing, commissioning of tyred based electric bus running on ohe and training of personnel (metro neo in nashik) of Maharashtra Metro Rail Corporation Ltd shall be 18 months

A2.8 Depots and M&P

Details to be provided by Contractor.

A2.9 Performance Criteria

The Contractor would be solely responsible for meeting the laid down Performance Criteria,

which shall be detailed in RFP.

The Contractor shall carry out Integrated Testing and Commissioning of Trolley bus on the section in co-ordination with the Engineer. He shall also carry out all statutory tests and trials on cars necessary for obtaining sanction of Competent/Statutory Authorities. The Employer shall extend assistance to obtain the statutory approvals.

The Scope of Work for the Contractor shall be detailed in the RFP document.

A2.10 Handback and/or termination

There shall be provision for the handback of trolley bus or for the early termination.

The details shall be provided in RFP document.

A3 Eligible Applicants

The EOIs for this Contract will be considered only from those companies, corporation, partnerships, consortia and joint ventures who pass the Initial Eligibility based on submissions with the EOI. Only such eligible applicants will be allowed to participate in the next stage of the project, i.e. RFP.

Each Applicant (each member in the case of a partnership, joint venture or consortium) or any associate is required to confirm and declare with his EOI that no agent, middleman or any intermediary has been, or will be, engaged to provide any services, or any other item or work related to the award and performance of this Contract. They will have to further confirm and declare in the submittal that no agency commission or any payment which may be construed as an agency commission has been, or will be, paid and that the quoted prices will not include any such amount. If the Employer subsequently finds to the contrary, the Employer reserves the right to declare the Applicant as non-compliant, and declare any Contract if already awarded to the Applicant to be null and void.

Canvassing or offer of an advantage or any other inducement by any person with a view to influencing acceptance of an EOI will be an offence under laws of India. Such action will result in the rejection of the EOI, in addition to other punitive measures.

The Applicant (including all members of a joint venture) shall not be one of the following:

- (i) A firm or an organization which has been engaged by the Employer to provide consulting services for the preparation related to procurement for or implementation of this project;
- (ii) Any association/affiliates (inclusive of parent firm) of a firm or an organization mentioned in subparagraph (i) above.
- (iii) A firm or an organization who lends or temporarily seconds its personnel to firms or organizations which are engaged in consulting services for the preparation related to procurement for or implementation of the project, if the personnel would be involved in any capacity on the same project.

There are no restrictions on the country of origin of Plant, equipment, materials, and services to be provided under the Contract. However, all Plant, equipment, materials and services shall be to the satisfaction of the Employer and Engineer. The information regarding all Plant, equipment, materials and services included in the Applicant's Proposals and incorporated into the Contract Document shall not, in any event, be construed as a submission to the Engineer under the Contract. However, the applicant should note the requirements for indigenisation.

A3.1 Initial Eligibility Criteria

S.No	Criteria	Yes	No
1	Has the Applicant abandoned any work in the last ten (10) years?		
2	Has the Applicant suffered bankruptcy / insolvency in the last ten (10) years?		
3	Has the Applicant been debarred by Government of India/any State Government in India/Central or State Government undertaking as on the due date of submission of bid? (Bidder to furnish a specific undertaking to this effect)		
4	Has the Applicant certified that no agent / middleman has been or will be engaged or any agency commission been or will be paid?		
5	<p><u>Delivery Record for Rolling Stock</u></p> <p>Has the Bidder/Consortium/JV or its member(s), individually or jointly as a member of other Consortia/JV have experience of and carried out ,</p> <p>Vehicle Design, Manufacturing, Interface, Assembly & Supply, Testing and Commissioning of minimum of total 50 nos coaches of Metro/LRT/Suburban EMUs/trainsets in the last ten(10) years:</p> <p>(OR)</p> <p>Vehicle Design, Manufacturing, Interface, Assembly & Supply, Testing and Commissioning of minimum of total 50nos Electric Buses in the last ten(10) years:</p>		
6	<p><u>Operation performance</u></p> <p>Out of '5' above, minimum of total 25 electric buses or Metro/LRT/Suburban EMUs/trainsets coaches have completed satisfactory revenue operation for more than three (3) years.</p>		

A3.2 One EOI per Applicant

Each Applicant shall submit only one EOI. If an Applicant submits an EOI in his own name and at the same time participates and submits an EOI as a member of a consortium/joint venture, both applicants will be disqualified.

A4 Payments terms

The payment terms shall be detailed in the RFP Document .

A5 Presentation and Demonstration by Applicant:

The Applicant shall demonstrate that he/she will have sufficient capacity and resources to design, supply, manufacture, interface, assembly, testing & commissioning of Metro neo

coaches during Pre-EOI meeting

B. EOI Documents

B1 Content of EOI Documents

The EOI Documents, as listed below, have been prepared for the purpose of inviting EOIs for design, manufacture, supply, testing, commissioning of tyred based electric bus running on OHE and training of personnel (Metro Neo in Nashik) OF MAHARASHTRA METRO RAIL CORPORATION LTD. and as more particularly described in these documents.

B1.1 Notice of Invitation to EOI (NIE);

B1.2 Instructions to Applicants (ITA);

B1.3 Bid Data Sheet (BDS)

The Applicant is expected to examine carefully the contents of all the above documents. Failure to comply with the requirements of the EOI Submittal will be at the Applicant's own risk. EOIs that are not substantially responsive to the requirements of the EOI Documents will be rejected.

The Applicant shall not make or cause to be made any alteration, erasure or obliteration to the text of the EOI Documents.

B2 Clarification of EOI Documents

B2.1 The Applicant shall check the pages of all documents against page numbers given in indexes and summaries and, in the event of discovery of any discrepancy, the Applicant shall inform EXECUTIVE DIRECTOR (PROCUREMENT) forthwith for clarification.

B2.2 Should the Applicant for any reason whatsoever, be in doubt about the meaning of anything contained in the Invitation to EOI or EOI Documents, the Applicant shall seek clarification from The Employer, either through email, as indicated in Key details of Notice to EOI, or by sending queries to the EXECUTIVE DIRECTOR (PROCUREMENT) as detailed in BDS, not later than the "last date of seeking clarification" given in the BDS.

MAHAMETRO will respond in writing, to any request for clarification received in writing from Applicants prior to deadline for such clarification or modification in the BDS.

All communications between the Applicant and MAHAMETRO shall be in writing.

No further clarification questions will be accepted after the "last date of seeking clarifications".

B2.3 Except for any such written clarification by EXECUTIVE DIRECTOR (PROCUREMENT) which is expressly stated to be by way of an addendum to the documents referred to in paragraph B1 above and/or for any other document issued by the Employer which is similarly described, no written or verbal communication, representation or explanation by any employee of the Employer or the Engineer shall be taken to bind or fetter the Employer or the Engineer under the Contract.

B3. Amendment of EOI Documents

B3.1 Applicants are advised that further instructions to Applicants and addenda to the EOI Documents may be issued during the EOI period. The provisions in any such addenda shall take priority over the Invitation to EOI and EOI Documents previously issued. Applicants shall confirm receipt of such documents and list them in the EOI Submittal.

C. Preparation of EOI

C1 EOI Bid Submission Documents

C1.1 EOI Pro-forma

The Applicant shall submit the specified EOI Pro-forma, duly filled in.

The Applicant shall provide EOI Index in his EOI. The EOI Index should indicate where within the EOI, the Applicant has included his responses/comments to the EOI requirements and conditions elaborated in these EOI documents. (Refer EOI Pro-forma in 'Annexure-II')

EOIs and all accompanying documents shall be in English. In case any accompanying printed literature is in other languages, it shall be accompanied by an English translation duly certified by a registered translator. The English version shall prevail in matters of interpretation.

C1.2 Applicant Details

State the structure of the applicant's organization, i.e.

Individual company or firm, Joint Venture or Consortium

C1.3 Leader of JV/Consortium (if applicable)

C1.4 MoU for JV/Consortium (if applicable)

Where the Applicant comprises of a consortium or joint venture, the Applicant shall submit the following additional information to meet the initial eligibility criteria for eligibility:

- a. A Memorandum of Understanding/Consortium Agreement, comprising of all the members, shall be provided.
- b. Nomination of one of the members of the consortium or joint venture to be in-charge (Leader); and this authorisation shall be covered in the Power of Attorney signed by the legally authorised signatories of all members of consortium or joint venture;
- c. Details of the intended percentage participation given by each member shall be provided and reconfirmed and expanded with complete details of the proposed division of responsibilities and corporate relationships among the individual members.
- d. The partner in charge (Leader) shall be authorized to incur liabilities, receive payments (if provided for in MoU/Consortium Agreement) and receive instructions for and on behalf of any or all partners of the joint venture/consortium;
- e. All partners of the joint venture/consortium shall be jointly and severally responsible for the execution of the Contract in accordance with the Contract terms.

The Applicant shall submit with his EOI full details of his ownership and control or, if the Applicant is a partnership, joint venture or consortium, full details of ownership and control of each member thereof.

C1.5 Power of Attorney for each member and for leader, as applicable

The Applicants shall submit a written power of attorney bearing specimen signatures of the authorised signatories of the EOI to commit each member of the partnership, consortium or joint venture. In case of Foreign Partners, Power of Attorney(s) and Board Resolution/Commercial Register confirming authority on the persons issuing the Power of Attorney for such actions, shall be submitted duly notarized by the notary public of country of origin and should be stamped by Embassy/High Commission. Applicants from Member Countries of Hague convention may submit all these

documents with "Apostille" stamp instead of Embassy.

C1.6 Documents supporting Initial Eligibility Criteria

Documents in support of checklist provided in Initial Eligibility Criteria, Clauses A3 and A3.1 of this ITA.

C1.7 Financing structure

In order to have a sustainable and technically sound proposal.

C1.8 Guarantees and Warranties

The Applicant shall submit full details of the identity of the proposed parties who would respectively provide or issue:

- (a) The Performance Guarantee;
- (b) Parent company Undertakings;
- (c) Parent company Guarantees

If the Applicant comprises a consortium or joint venture, a parent company of each member or participant will be required to execute the Undertakings and Guarantees referred to in sub-paragraphs (b) and (c) above.

C1.10 EOI documents (including amendments) duly signed by each member

A form of certificate confirming careful examination of all the contents of EOI documents including EOI addenda and signing of all pages of the Applicant's proposal shall be furnished along with the EOI proposal

C1.11 Applicant shall provide and demonstrate his technical capacity in separate document. The technical documents include the following

- Brake system, HVAC, Axles
- Carbody, Panto boom, tyres
- Battery, super capacitors, anti-collision features

C2 Pre-EOI Meeting

C2.1 The prospective Applicants or their official representatives are invited to attend a pre-EOI meeting, which will be held on the date, time and location indicated in BDS.

C2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised with respect to this EOI at that stage.

C2.3 The Applicants are requested to submit any questions in writing or by email, to reach the Employer **before or during** the meeting.

C2.4 Minutes of the meeting, including the text of the questions raised and the responses given, will be transmitted without delay to by mail to all such Applicants, who either attend the Pre-EOI meeting or intimate in writing that they would like to receive the clarifications. Any modification of the EOI documents listed in paragraph B3 which may become necessary as a result of the pre-EOI meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to paragraph B4 and not through the minutes of the pre-EOI meeting.

C2.5 The Applicant shall demonstrate that he/she will have sufficient capacity and resources to design, supply, manufacture, interface, assembly, testing & commissioning of Metro neo coaches during Pre-EOI meeting. Non-attendance at the Pre-EOI meeting will not be a cause for disqualification of an Applicant

D. Submission of EOIs

D1 Submission Address and Date

The Applicants shall, submit/ upload their EOI Submissions (through digital signature on e-tender portal of MAHA-METRO <https://mahametrorail.etenders.in>) on or before the date and time given in the Notice inviting EOI or as may have been amended from time to time. Applicants may refer to e-tender procedures (Toolkit for using e-tender portal) at Annexure -VI.

The Applicant shall furnish the information strictly as per the requirements given in EOI documents without any ambiguity. The MAHA-METRO shall not be held responsible if the failure of any Applicant to provide the required information results in a lack of clarity in the interpretation and consequent disqualification of its EOI Submission.

The Applicant may seek any assistance, if required, regarding submission of EOI through E- Tender portal, contacting Mr. Prateek Parashar, (Tender Executive) Contact No. +91-9167246754.

D2 Sealing and Marking of EOI

D2 Deleted

D3 Late or Delayed EOIs

D3.1 EOI Submissions must be uploaded on e-tender portal of MAHA-METRO well before the scheduled last date and time of EOI submissions to avoid last minute rushes, since no submissions can be made/uploaded on the e-tender portal after the scheduled last date and time.

E. EOI Opening and Evaluation

E1 EOI Opening

E1.1 The EOI will be opened at time and date as specified in BDS in the Office of MAHAMETRO, Metro Bhavan, Nagpur. The Applicants are allowed to be present at the time of opening. The Employer shall prepare a record of the opening that shall include, as a minimum: the name of the Applicant. The Applicants' representatives who are present shall be requested to sign the record. The omission of an Applicant's signature on the record shall not invalidate the contents and effect of the record. A copy of the record shall be distributed to all Applicants.

E2 Clarification of EOIs from Applicants

To assist in the examination, evaluation and comparison of EOIs, the Employer may, at his discretion, ask any Applicant for clarification of his EOI. The request for clarification and the response shall be in writing or by facsimile, but no change in the substance of the EOI shall be sought, offered or permitted. The Employer may call for a meeting with the Applicants in this regard. The minutes of the meeting, if held, with any applicant shall be recorded and acknowledgement obtained from the concerned applicant.

E3 Determination of Responsiveness

E3.1 The Employer will determine whether each EOI:

- (i) Has been properly signed; and
- (ii) Meets the Eligibility Criteria – The Employer will evaluate the eligibility and acceptability based on Initial Eligibility criteria indicated in these documents.

E4 Intimation of Evaluation of EOI

E4.1 RFP document shall be issued based on the assessment made by Employer and future tendering processes.

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**Annexure-I
EOI**

DESIGN DATA OF TROLLEY BUSES

Annexure – I**Design Data of Trolley Buses**

Parameters	Corridor 1	Corridor 2
Number of coaches	36	14
Maximum Design Speed	70 kmph	70kmph
Maximum Acceleration	1.3 m/s ²	1.3 m/s ²
Length	More than 20 meter	More than 15 meter
Width	2.55 m	2.55 m
Height	3.5 m approx	3.5 m approx
Coach Body	Aluminium/Stainless Steel	Aluminium/Stainless Steel
Axle load	Around 10 Tonne	Around 10 Tonne
Carrying Capacity	250 Persons	200 Persons
Articulation	Double articulated vehicle	Single Articulated vehicle
Traction System	750 V DC	
Braking System	<ol style="list-style-type: none"> 1. Electrodynamic Regenerative Brake 2. Service or station brakes 3. Emergency brake 4. Parking brake 	
Auxiliary Power Unit	Batteries or/and ultra capacitors	
Energy Management System	Lighting, heating, air conditioning, ventilation, actuators, Wi-Fi, and passenger information systems etc.	
Interior Layout	More number of standing Area, swift evacuation of the passenger in short dwell period.	
Door	Doors of adequate width shall be provided. All the doors shall be equipped with handles, Press buttons shall be provided which will allow the passengers to open and	

	close individual doors from both inside and outside when halting at stops.
Drivers Compartment	<ol style="list-style-type: none"> a. The driver's compartment shall separate the driver from the passengers thus protecting him from disturbing influences. The driver's compartment shall be designed keeping in view the driver's comfort and safety. The driver's seat shall be designed to meet the latest ergonomic requirements. b. The instrument panel in the driver's compartment shall consist several indications which will help the driver to know about the status of the vehicle. The indications may include speed of the vehicle, status of batteries, voltage of overhead contact system etc.
Passenger Safety Features	<ol style="list-style-type: none"> 1. CCTV camera 2. On board PA-PIS System 3. Emergency evacuation system 4. Fire and smoke detectors 5. Fire retardant design 6. Signage for passenger safety and information
Selection of technology	<p>Passenger comfort & safety</p> <ol style="list-style-type: none"> 1. Proven equipment with high reliability 2. Energy efficiency 3. Light weight equipment and coach body 4. High rate of acceleration and deceleration 5. Optimized scheduled speed 6. Flexibility to meet increase in traffic demand 7. Aesthetically pleasing Interior and Exterior 8. Low Life cycle cost 9. Adequate HVAC

Standard Specifications	The Applicant shall comply to the standard specifications of Metro neo issued by Ministry of Housing and urban affairs (as modified time to time). The standard specifications are attached as Annexure 5
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- **Any Additional Technical Parameters to be submitted By Contractor.**
- **Contractor should also submit list of likely suppliers and their provenness of all sub systems & contact details and willingness to support for 10 Years.**

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Annexure-II

EOI

EOI Pro-Forma

PRO-FORMA LETTER OF APPLICATION (on Firm's Letter Head)

The Managing Director,
MAHARASHTRA Metro Rail Corporation Ltd.,
Metro bhavan,
VIP Road,
Near Diksha Bhoomi,
Nagpur 440010,
India

(Applicant to provide date and reference)

**APPLICATION FOR INITIAL ELIGIBILITY
EOI METRO NEO IN NASHIK**

Dear Sir,

We hereby make application for Initial Eligibility as an applicant for the Supply Rolling Stock (Trolley Bus) For METRO NEO in Nashik Project of Maharashtra Metro Rail Corporation. In support of the application we have uploaded the required documents on e-tendering portal of Maha-Metro

(In the case of other than a sole proprietorship firm add the following paragraph)

A Power of Attorney to sign and submit this letter is attached.

(In the case of a joint venture/consortium add the following paragraph)

This application is submitted on behalf of a joint venture/consortium (applicant to delete as appropriate) comprising (Applicant to state the names of each member) and of which (Applicant to insert name of leading member of joint venture/consortium) has agreed to act as leader. Each member has prepared a statement of participation in relation to this application and these are contained in Section 2 herewith.

Yours faithfully,

..... (signature)

Name of signatory:

Capacity of signatory:

Name and address of applicant (or of leader if applicant is a Joint Venture/Consortium)

**PRO-FORMA LETTER OF PARTICIPATION FROM EACH MEMBER OF A
Joint Venture/Consortium
(On Letter Head of each Firm)**

The Managing Director,
Maharashtra Metro Rail Corporation Ltd.,
Metro Bhavan,
VIP Road,
Near Dikshabhoomi,
Nagpur 440010,
India.

(Applicant to provide date and reference)

**APPLICATION FOR INITIAL ELIGIBILITY
EOI METRO NEO IN NASHIK**

Dear Sir,

We wish to confirm that our company/firm (delete as appropriate) has formed/intends (delete as appropriate) to form a Joint Venture/Consortium with (Member to insert names of all other members of the group) for purposes associated with EOI METRO NEO IN NASHIK.

(Members who are not the lead member of the Joint Venture/Consortium should add the following paragraph).

The Joint Venture/Consortium is led by (member to insert name of lead member) whom we hereby authorise to act on our behalf for the purposes of applying for Initial Eligibility.

(The lead member of the Joint Venture/Consortium should add the following paragraph)

In this Joint Venture/Consortium we act as leader and, for the purposes of applying for Initial Eligibility, represent the group.

In the event of our Joint Venture/Consortium being invited to tender for EOI METRO NEO IN NASHIK, we agree to be jointly (with other members of our Joint Venture/Consortium) and severally liable to the Maharashtra Metro Rail Corporation Ltd. (MAHAMETRO), its successors and assigns for all obligations, duties and responsibilities arising from or imposed by any contract subsequently entered into between the MAHAMETRO and our Joint Venture/Consortium.

Yours faithfully,

(Signature)

(Name of Signatory)

(Capacity of Signatory).....

**EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY, TESTING,
COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON OHE AT
NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.**

**Annexure-III
EOI**

BID DATA SHEET

Bid Data Sheet		
1.	The name of the Project is:	DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.
2.	Employer is:	MAHARASHTRA Metro Rail Corporation (MAHAMETRO)
3.	The name of the EOI is: The identification number of the EOI is:	EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY, TESTING, COMMISSIONING OF PASSENGER ROLLING STOCK AND TRAINING OF PERSONNEL (METRO NEO IN NASHIK)OF MAHARASHTRA METRO RAIL CORPORATION LTD
4.	Expected RFP date	Shall be intimated later
5.	Expected Completion period of the work	Please refer Instruction to applicants clause A2.5
6.	EOI Documents release date	Documents can be downloaded from 16.00 hrs. on 23.03.2021 to 16.00 hrs. on 05.05.2021 from Maha-Metro's e- tender Portal.
7.	Cost of EOI Documents	NIL
8.	For clarification purposes only, the Purchaser's address is:	Attention: EXECUTIVE DIRECTOR(PROCUREMENT), MAHARASHTRA Metro Rail Corporation Ltd. METRO BHAVAN, East High Court road (VIP Road),Opp Dr.Babasaheb Ambedkar College, Near Diksha Bhoomi, Nagpur – 440010 Telephone: 0712-2554217
9.	Last date for seeking clarification:	Up till 11.00 Hours on 20.04.2021 by E-mail at mail Id md.nmrcl.tenders@gmail.com
10.	Pre-EOI Meeting:	11:00 Hrs on 20.04.2021 at METRO BHAVAN, East High Court road (VIP Road),Opp Dr.Babasaheb Ambedkar College, Near Diksha Bhoomi, Nagpur – 440010 Applicants may also request VC
11.	Last date of issuing MAHAMETRO's response to queries:	within 7 days of last date of seeking clarifications

12.	The language of the Bid is:	English
13.	Alternative bids	Shall not be permitted.
14.	Representation by an Agent	Not allowed.
15.	In addition to the original Bid, the number of copies is:	The proposal of the applicant for EOI shall be submitted in Maha-Metro's online portal https://mahametro rail.etenders.in
16.	The written confirmation of Authorization to sign on behalf of the Bidder shall consist of:	Power of Attorney for each member and for leader, as applicable (refer clause C1.5 of ITA)
17.	The identification of this bidding process is:	Each proposal shall be uploaded as mentioned in section C (Instruction to Applicants)
18.	For EOI related <u>purposes</u> only, the Purchaser's address is :	Attention: EXECUTIVE DIRECTOR(PROCUREMENT), MAHARASHTRA Metro Rail Corporation Ltd. METRO BHAVAN, East High Court road (VIP Road), Opp Dr.Babasaheb Ambedkar College, Near Diksha Bhoomi, Nagpur – 440010, India Telephone: 0712-2554217
19.	The deadline for bid submission is:	up to 16.00 Hrs on 05.05.2021
20.	Date and time for opening of EOIs	On 05.05.2021 at 16.30 Hrs
21.	Margin of preference	NIL
22.	Increase in quantity of deployed Trolley Bus	Employer may exercise the option on any date within five years of the scheduled placement of last ordered Trolley Bus.

**EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY,
TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON
OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.**

**Annexure-IV
EOI**

Policy Document of MoHUA

No.K-14011/9/2014/UT-II/MRTS-Coord
Government of India
Ministry of Urban Development
(MRTS - Coord Desk)

Latest
MII circulars

311 B, Nirman Bhawan, New Delhi-110 108,
Dated the 11th April, 2018.

To
The Managing Directors,
Metro Rail Companies.
(As per list attached)

Subject: Promoting indigenization and "Make in India" in metro rail projects.

Kind attention is invited to this Ministry's letter of even number dated 22.04.2017 on the above cited subject. To promote indigenization and "Make in India" initiative in the metro rail projects, in consultation with NITI Aayog, it has been decided that the following revised mandatory conditions are to be incorporated in all metro rolling stock tenders:

- i. Minimum 75% of the tendered quantity of cars shall be manufactured indigenously with progressively increased indigenous content.
 - ii. For manufacture of these 75% cars, the contractor may either establish independent manufacturing facility in India or partner with a suitable Indian reputed manufacturer.
 - iii. To facilitate ease in maintenance and easy availability of spares during post warranty period, an identified list of critical equipment/ sub-systems shall be included in the tender document. Indigenous manufacturing of the listed items shall be ensured for manufacturing of minimum 25% of the tendered quantity of metro cars. This may either be achieved by the OEM themselves by establishing a wholly owned subsidiary in India or through a suitable Indian reputed manufacturer.
2. In order to develop in-house expertise on long term basis, metro companies having sizeable fleet strength may consider undertaking in-house maintenance. However, metros with small fleet may opt for availing assistance of OEMs for maintenance of key equipment. Considered decision for undertaking maintenance by the rolling stock manufacturer or otherwise may be taken by the metro companies.
3. This is issued in supersession of this Ministry's letter of even number dated 22.04.2017. All the metro rail companies are therefore requested to revise the necessary provisions as above in the tender documents for procurement of rolling stocks.

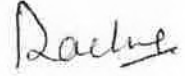
Yours faithfully,

Rachna
(Rachna Kumar)

Under Secretary to the Government of India
Ph 2306 2935.

Copy to:

1. CEO, NITI Aayog in reference to letter number 7/8/2016-TPT (Vol.II) dated 21.03.2018- for information please.
2. Secretary, DIPP, Udyog Bhavan, New Delhi.
3. Chief Secretary, Government of NCT Delhi, Maharashtra, Tamil Nadu, Karnataka, Gujarat, Madhya Pradesh, Uttar Pradesh, Kerala and Rajasthan for necessary action please.



(Rachna Kumar)

Under Secretary to the Government of India

Ph 2306 2935.

No. K-14011/08/2017/MRTS-Coord
Government of India
Ministry of Housing and Urban Affairs
(MRTS-Coord Desk)

Make in India

311-B, Nirman Bhawan, New Delhi,
Dated the 14th October, 2020.

To

Managing Directors of All Metro Rail Corporations
(As per standard list)

copy to
all ex m/s

Subject: Revision of Minimum Local Content (MLC) of various metro rail components under MII-PPP Order, 2017 of DPIIT

I am directed to refer to the above cited subject and to say that the existing Minimum Local Content (MLC) of various metro rail components issued vide this Ministry's letter of even number dated 13.07. 2018 was reviewed in the last meeting of Managing Directors of various Metro Rail Corporations held on 08.10.2020. The revised minimum local content to be adopted by Metro Rail Companies in the procurement of various components shall be as under:

S. No	Metro Rail Components	Existing % of MLC	Revised % of MLC
1	Rolling Stock	40% which could be increased to 50% from FY-2019	60%
2	Telecom	40% which could be increased to 50% from FY-2020	50%
3	Signaling	30% which could be increased to 40% from FY-2020 and 50% from FY - 2023	50%
4	Civil Works (Elevated & Underground)	80%	90% (for Elevated) 80% (for Underground)
5	Electrical and Mechanical	50%	60%

2. The above Minimum Local Content would be for Class-I local supplier under MII-PPP Order of DPIIT. For Class-II local supplier, the Minimum Local Content should be kept at 20% for all components as mentioned in extant MII-PPP Order of DPIIT.

3. This is for information and necessary action.

Yours faithfully,



(Rachna Kumar)
Under Secretary to the Govt. of India
Telefax: 2306 2935

**EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY,
TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON
OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.**

**Annexure-V
EOI**

Standard specifications of Metro Neo issued by MoHUA

**STANDARD
SPECIFICATIONS
OF
METRO NEO**

November, 2020

**GOVERNMENT OF INDIA
MINISTRY OF HOUSING AND URBAN AFFAIRS**

Contents

STANDARD SPECIFICATIONS OF METRO NEO

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1. Introduction

- 1.1. The metro rail system being developed at present is of high capacity which is required for bigger cities with very high ridership and Peak Hour Peak Direction Traffic (PHPDT). Seeing the success of metro rail projects in the country, several other cities with lower projection of ridership and PHPDT are also aspiring for metro rail system. This document describes specifications for such a system named Metro Neo which will be at much lesser cost, rail guided, rubber tyred electric coaches powered by overhead traction system running on a road slab (elevated/at-grade). 'Metroneo' would also act as feeder system to high capacity Metro. In addition to less capital cost, the operation and maintenance cost of Metroneo would also be less making the system more viable.
- 1.2. The Metroneo system for which the standards are appended below would be suitable for mass transit corridors having a PHPDT upto 8000 with AW3 loading

2. Standard Specifications of Metro Neo

2.1 Civil Structure: At-grade Metro neo System:

- 2.1.1. The alignment shall be decided after a thorough study and considering various factors eg; availability of Right of Way (RoW), speed, conflict with road traffic, safety and cost.
- 2.1.2. The Metroneo system shall have dedicated path separating the road traffic with Metroneo lane. For segregation with road traffic, continuous plinth /fencing/kerb shall be provided.
- 2.1.3. The Right-of-Way (RoW) for Metroneo system shall be 8.0 meter for both UP & DN lane combined. Metroneo lane shall be suitably designed & constructed to accommodate guidance system and considering the duty cycle of operation of Metroneo on dedicated path.
- 2.1.4. In case the road width does not permit, At-grade single lane Metroneo system can be provided on a particular road and other lane can be provided on a parallel road. The road width occupied by At-grade single lane Metroneo system shall be 4 meter.
- 2.1.5. Platform width shall be of minimum 1.12 meter for side platform and shall be of minimum 4 meter for island platform.
- 2.1.6. Platforms may be planned in a staggered manner in alternate side for Up and Down lanes to reduce the actual road space.
- 2.1.7. The Metroneo stations shall be simplified/limited to the platform area only and no room shall be provided. The equipment shall be provided in the cabinet,

mounted suitably at the platform or in underground container below the platform with required access and ventilation.

- 2.1.8. Lighting, Passenger Information System, CCTV, Automatic Ticket Vending Machine, Add Value Machine, Ticket Validator, Signage etc. at stations shall be provided bare minimum and where necessary. AFC gates, Platform screen doors, X-ray baggage scanner and DFMD are not needed at the Metroneo stations.
- 2.1.9. Metroneo platform roof can be optimized to 1/3rd of platform length instead of providing roof in the entire platform length.
- 2.1.10. Accessibility to Metroneo station shall be made free flowing, convenient and safe by implementation of accessibility plan for the area around the station. Accessibility plan shall include properly designed pedestrian crossing with mandatory traffic calming measures & signage/signal, improvement in footpaths and area around the stations, last mile connectivity etc. The accessibility plan should not lead to bigger stations.

2.2 Civil Structure: Elevated Metro neo System

- 2.2.1 Elevated alignment shall be decided after a thorough study and considering various factors eg; availability of Right of Way, speed, conflict with road traffic, safety and cost.
- 2.2.2 Road space occupied at the median shall be maximum 2.2 m for piers including crash barrier.
- 2.2.3 Edge to edge width of viaduct shall be 8 meter maximum. A vertical clearance of minimum 5.5 meter as per road specification for road vehicle under the viaduct shall be provided. Viaduct shall be the safe place in case of any emergency.
- 2.2.4 Platform width shall be of minimum 1.12 meter for side platform and shall be of minimum 4 meter for island platform.
- 2.2.5 Metroneo platform roof can be optimized to 1/3rd of platform length instead of providing roof in the entire platform length.
- 2.2.6 Elevated Metroneo platform shall be simple, open and for serving the functional requirement of exchange of passenger between platform and vehicle. Bare minimum facilities eg; Lighting, CCTV, Public information system etc shall be provided on the platform.
- 2.2.7 Ticket Validators, if planned at stations, shall be provided at Platform. Ticketing equipment eg; Automatic Ticket Vending Machine, Add Value Machine etc shall be provided under/near the staircase. AFC gates, Platform screen doors, X-ray baggage scanner and DFMD are not needed at the Metroneo stations.
- 2.2.8 The entry/exit to the platform shall be directly through staircase from ground level. The concourse shall not be provided.
- 2.2.9 Lifts for disabled/old shall be provided. Provisions of escalators in the stations shall be generally avoided. Escalators shall only be provided at such stations where there is absolute necessity.

- 2.2.10 Foot-over-bridge (FOB) or underpass shall be generally avoided except at some stations under exceptional scenario. For crossing the city roads under the elevated platform, properly designed pedestrian crossing with traffic calming measures & signage/signal shall be provided mandatorily.
- 2.2.11 Accessibility to Metroneo station shall be made free flowing, convenient and safe by implementation of accessibility plan for the area around the station. Accessibility plan shall include improvement area around the stations, properly designed pedestrian crossing with mandatory traffic calming measures & signage/signal, improvement in footpaths last mile connectivity etc. The accessibility plan should not lead to bigger stations. The space below/near the staircases can be used for locating ATM/AVM, facilities for staff/passenger etc.
- 2.2.12 Necessary arrangement may be provided for preventing the access to platform during the non revenue hours.

2.3 Rail Guidance

- 2.3.1 Kerb Rail Guidance/Centre Rail Guidance shall be used for Metroneo system.
- 2.3.2 Deleted

2.4 Rolling Stock

- 2.4.1 The rolling stock shall be on rubber tyre running on road slab (elevated or at grade)
- 2.4.2 The configuration of Metroneo Rolling Stock may be single coach of around 12 meter length or two articulated coaches of around 18 meter length or three articulated coaches of around 24 meter length depending upon PHPDT. The lengths mentioned in this para are approximate, based upon the products available & for guidance. Actual length may vary.
- 2.4.3 Number of additional articulated coach may be decided by the respective cities based on PHPDT.
- 2.4.4 The width of coach body shall be around 2.55 meter.
- 2.4.5 The floor height shall be low of about 300-350 mm.
- 2.4.6 The average axle load of Metroneo coaches shall be around 10 Ton.
- 2.4.7 The turning radius of the Metroneo rolling stock shall be decided by implementing agency based on local requirement and availability of technology.
- 2.4.8 The car structure material shall be Stainless steel/Aluminum. Designed life of the Rolling Stock shall be 30 years minimum.
- 2.4.9 The gradient may be decided by implementing agency based on local requirement and availability of technology. The design may be optimized considering the alignment and city's geographic conditions.
- 2.4.10 The Metroneo rolling stock shall be provided with Kerb Rail/Centre Rail guidance system.

- 2.4.11 These electric coaches shall have sufficient battery capacity to run up to 20 km without OHE power. Metro/City authorities can decide the battery design and sizing based on site requirement. The rolling stock shall also have energy regeneration system during braking.
- 2.4.12 Coaches shall be designed for a speed which shall be within purview of MoHUA.
- 2.4.13 The rolling stock shall be provided with coupler on either end for coupling and shunting in case of faults on the mid sections, a suitable shunter shall couple with the coach and shift coach to depots.
- 2.4.14 These electric coaches should be capable of travelling in elevated, at grade and tunnel section.
- 2.4.15 Safety of passengers inside the electric coaches should be ensured during the event of breaking of contact wire and falling on roof of coaches.
- 2.4.16 Safety certified obstruction detection system shall be provided.
- 2.4.17 The evacuation system in coaches shall be side evacuation in between both the carriageways. Adequate space shall be available on the median (on at-grade or on viaduct) for passenger movement.

2.5 Traction and Power Supply System

- 2.5.1 Traction system for Metroneo shall be 750 Volt DC OHE with overhead twin, positive & negative contact wires placed in parallel.
- 2.5.2 The power supply for Traction Sub Station (TSS) shall be availed from the city's electric power supply authority at HT voltage level (11/22/33 kV/as available) at planned locations as per design requirement. The provision of feed extension from adjacent TSS in case of failure shall be implemented. Receiving Substation (RSS) and captive ring main network of 33kv shall not be required.
- 2.5.3 TSS shall be located at suitable locations and could be installed in a small building, or under the viaduct at median or in container etc. No specific room at station will be required.
- 2.5.4 SCADA for control and monitoring of Traction Power Supply and OHE shall be implemented.
- 2.5.5 Design and Implementation shall ensure to avoid any possibility of parting of OHE and suitable protection shall be provided to take care of parting of OHE.
- 2.5.6 Auxiliary Power supply for station general lightings, lifts/escalators etc. shall be taken at 415V from directly from city electric power supply authority.
- 2.5.7 As Metroneo rolling stock are hybrid with battery, in depot minimum OHE (for the requirement of testing of rolling stock etc.) shall be implemented.
- 2.5.8 All safety standards/guidelines may be followed and close monitoring of system shall be ensured.

2.6 Signaling System

- 2.6.1 Metro Neo shall be equipped with suitable Automatic Train Protection (ATP) system with anti-collision feature and pre-defined speed limit and operation shall be monitored by central control. The traffic light signal at interchange/terminal/crossover shall be provided along with marker board, speed limit signage, buffer stop signage.

2.7 Telecom

- 2.7.1 Radio based communication between driver and control room shall be provided.
- 2.7.2 A fiber optic based communication system for CCTV surveillance, Public Information, Data Communication, Master Clock etc. shall be provided.

2.8 Automatic Fare Collection (AFC)

- 2.8.1 Ticketing system shall be based on National Common Mobility Card (NCCM), QR code and any other innovative ticketing system. Metroneo stations shall generally be unattended and Automatic Ticket Vending Machine (TVM), Add Value Machine (AVM) etc. shall be provided at the stations.
- 2.8.2 No AFC gates shall be installed at Metroneo stations. The ticket validator shall be installed in the Metroneo Coaches or on the platforms.
- 2.8.3 With random checking, heavy penalty shall be levied on the passengers without a valid ticket in the system.

2.9 Maintenance Depot, Operation Control Centre and Others

- 2.9.1 The maintenance and stabling or more facilities for coaches can be done in one depot depending on the site requirement. Additional depot can be planned for stabling purposes and cleaning facilities only.
- 2.9.2 As Metroneo rolling stock are hybrid with battery, in depot minimum OHE (for the requirement of testing of rolling stock etc.) shall be implemented.
- 2.9.3 Integrated operation control centre (OCC) shall be provided and OCC shall be simple with bare minimum facilities.

2.10 Security

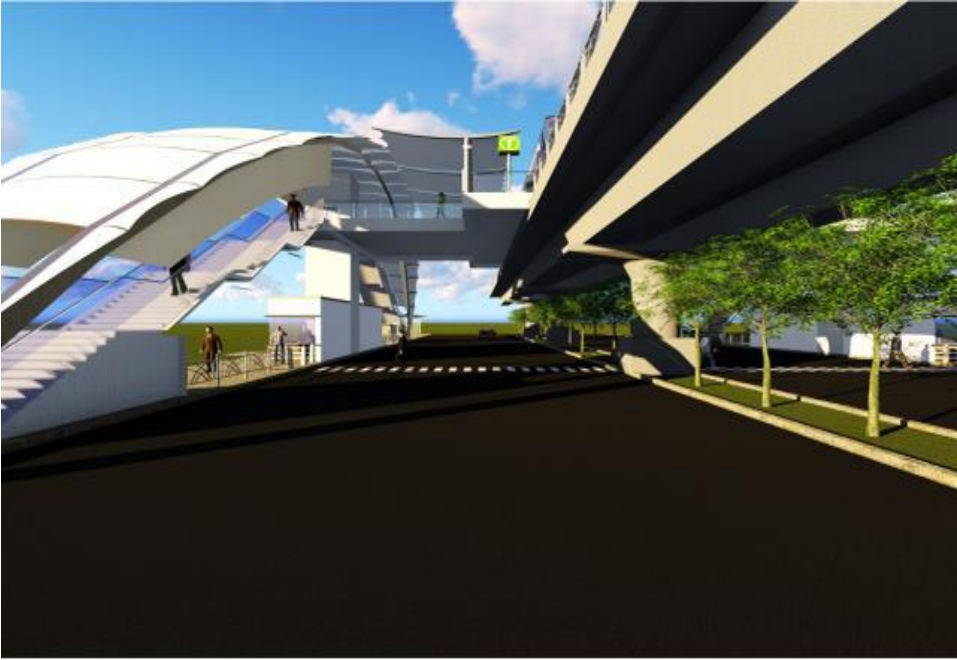
- 2.10.1 X-ray baggage scanner and DFMD are not needed in the Metroneo stations.
- 2.10.2 CCTV surveillance system shall be deployed at stations as well as in Metroneo Rolling Stocks.

3. NOTE:

- 3.1 The above are broad standards of Metroneo. Detailing, wherever required should be done within the ambit of above standards by Metroneo implementing agencies as per requirement of the city during the time of implementation.
- 3.2 Any deviation from the above standards shall require prior approval of Ministry of Housing and Urban Affairs and Ministry of Railways.
- 3.3 The standard specification for Metroneo shall be reviewed periodically based on the experience gained while executing the Metroneo projects.

4. Representative Picture of Metroneo Elevated Station

Pictures for reference only, actual implementation may vary.





END OF THE REPORT

**EXPRESSION OF INTEREST FOR DESIGN, MANUFACTURE, SUPPLY,
TESTING, COMMISSIONING OF TYRED BASED ELECTRIC BUS RUNNING ON
OHE AT NASHIK FOR MAHARASHTRA METRO RAIL CORPORATION LTD.**

**Annexure-VI
EOI**

Toolkit for using online e-tendering portal of Maha-Metro

Annexure- 2B

(Tool Kit for using E-Tender Portal of MAHA-METRO)

TENDERING PROCEDURE

A] Tender Forms.

- i. Tender Forms can be purchased from the e-Tendering Portal of MAHA-METRO, i.e. <https://mahametrorail.etenders.in> after paying Tender Fees via online mode as Per the Tender Schedule.
- ii. Bidder should have valid class II/III digital signature certificates (DSC) obtain from any certifying authorities.
- iii. Bidder should install the Java and NxtCrypto service available on the Home Page of Download section [URL :- https://mahametrorail.etenders.in](https://mahametrorail.etenders.in)

B] Pre-requisites to participate in the Tenders processed by MAHA-METRO:

i. Enrolment of Contractors on Electronic Tendering System:

The Contractors interested in participating in the Tenders of MAHA-METRO processed using the Electronic Tendering System shall be required to enroll on the Electronic Tendering System to obtain User ID.

If the information is found to be complete, the enrolment submitted by the Vendor shall be approved automatically.

The Contractors may obtain the necessary information on the process of enrolment either from Helpdesk Support Team or may visit the information published under the link Help manual and tutorials on the Home Page of the Electronic Tendering System.

ii. Obtaining a Digital Certificate:

The Bid Data that is prepared online is required to be encrypted and the hash value of the Bid Data is required to be signed electronically using a Digital Certificate (Class - II or Class -III). This is required to maintain the security of the Bid Data and also to establish the identity of the Contractor transacting on the System.

The Digital Certificates are issued by an approved Certifying Authority authorized by the Controller of Certifying Authorities of Government of India through their Authorized Representatives upon receipt of documents required to obtain a Digital Certificate.

Bid data / information for a particular Tender may be submitted only using the Digital Certificate which is used to encrypt the data / information and sign the hash value during the Tender Submission stage. In case during the process of preparing and submitting a Bid for a particular Tender, the Contractor loses his/her Digital Signature Certificate (i.e. due to

virus attack, hardware problem, operating system problem); he / she may not be able to submit the Bid online.

Hence, the Users are advised to store his / her Digital Certificate securely and if possible, keep a backup at safe place under adequate security to be used in case of need.

In case of online tendering, if the Digital Certificate issued to an Authorized User of a Partnership Firm is used for signing and submitting a bid, it will be considered equivalent to a no objection certificate / power of attorney to that User to submit the bid on behalf of the Partnership Firm. The Partnership Firm has to authorize a specific individual via an authorization certificate signed by a partner of the firm (and in case the applicant is a partner, another partner in the same form is required to authorize) to use the digital certificate as per Indian Information Technology Act,2000.

Unless the Digital Certificate is revoked, it will be assumed to represent adequate authority of the Authority User to bid on behalf of the Firm for the Tenders processed on the Electronic Tender Management System of Government of Maharashtra as per Indian Information Technology Act, 2000. The Digital Signature of this Authorized User will be binding on the Firm. It shall be the responsibility of Partners of the Firm to inform the Certifying Authority or Sub Certifying Authority, if the Authorized User changes, and apply for a fresh Digital Signature Certificate. The procedure for application of a Digital Signature Certificate will remain the same for the new Authorized User.

The same procedure holds true for the Authorized Users in a Private / Public Limited Company. In this case, the Authorization Certificate will have to be signed by the Director of the Company or the Reporting Authority of the Applicant.

For information on the process of application for obtaining Digital Certificate, the Contractors may visit the section Digital Signature Forms on the Home Page of the Electronic Tendering System.

iii. **Recommended Hardware and Internet Connectivity:**

To operate on the Electronic Tendering System, the Contractors are recommended to use Computer System with at least 1 GB of RAM and broadband connectivity with minimum 512 kbps bandwidth.

iv. **Set up of Computer System for executing the operations on the Electronic Tendering System:**

To operate on the Electronic Tendering System of MAHA-METRO, the Computer System of the Contractors is required be set up. The Contractors are required to install Utilities available under the section Downloads on the Home Page of the System.

The Utilities are available for download freely from the above mentioned section. The Contractors are requested to refer to the Help manual and Tutorials available online on the

Home Page to understand the process of setting up the System, or alternatively, contact the Helpdesk Support Team on information / guidance on the process of setting up the System.

C) The e-tender portal contains two section Technical Bid Submission & Financial Bid Submission.

- i. Technical bid Section: - Technical Bid Section shall contain all Documents and enclosures as directed in NIT, ITT and EQ. Bidder shall upload the PDF copy of such documents in Technical Section only.**
- ii. Financial bid section : please upload proposed rates in excel file or suitable file**

D) Steps to be followed by Contractors to participate in the e-Tenders processed by MAHA-METRO.

i. Preparation of online Briefcase:

All Contractors enrolled on the Electronic Tendering System of MAHA-METRO are provided with dedicated briefcase facility to store documents / files in digital format. The Contractors can use the online briefcase to store their scanned copies of frequently used documents / files to be submitted as a part of their bid response. The Contractors are advised to store the relevant documents in the briefcase before starting the Tender Submission stage.

In case, the Contractors have multiple documents under the same type (e.g. multiple Work Completion Certificates) as mentioned above, the Contractors advised to either create a single .pdf file of all the documents of same type or compress the documents in a single compressed file in .zip or .rar formats and upload the same.

Note: Uploading of documents in the briefcase does not mean that the documents are available to MAHA-METRO at the time of Tender Opening stage unless the documents are specifically attached to the Tender during the Tender Submission stage.

ii. Online viewing of Detailed Notice Inviting Tenders:

The Contractors can view the Detailed **Tender Notice (NIT)** along with the Time Schedule (Key Dates) for all the Live Tenders released by MAHA-METRO and **Eligibility Criteria (EQ)** on the home page of MAHA-METRO e-Tendering Portal on

<https://mahametrorail.etenders.in> under the section Online Tenders. Viewing & downloading the **NIT & EQ** is free of cost.

iii. **Download of Tender Documents:**

After going through the NIT & EQ, if bidder finds himself eligible for the bidding, he may purchase the complete bid document via online mode by paying the cost of Tender Document by Debit Card/Credit Card/ Net Banking/Free as described on E-Tender Portal. After paying the cost of the document, bidder may download the complete bid documents.

iv. **Online Submission of Bid:**

- a. At the stage of EMD, the EMD payment may be either in the form of Cash or Bank Guarantee or combination of both. Bidders are advised to refer the Instruction to Tenderers and Bid Data Sheet of the concerning Bid. For detail provision of payment of EMD, bidders are advised to refer concerning clause of Bid Document
- b. For Cash component Payment of EMD, which bidder has to pay online using any one online pay mode as **RTGS, NEFT, Debit Card, Credit Card & Net Banking** through payment gateway of E-Tender Portal. For EMD payment, if bidder use NEFT or RTGS then system will generate a challan (in two Copies) with unique challan No specific to the tender. Bidder will use this challan in his bank to make NEFT/RTGS Payment against the challan.
- c. Bidder should ensure the payment of online EMD, 72 Hours (Excepting Holiday if any) prior to the final submission date of the Bid.*
- d. Bidder have the option to pay EMD either at the initial stage of submission of bid or at the final stage of submission of bid, when all mandatory formats/ documents filled/ uploaded.
- e. If the EMD is in form of Bank Guarantee or part of EMD in form of BG, scan copy of such BG shall be uploaded by bidders in technical section of E-Tender Portal.
- f. Bidder shall download the Complete Bid Document along with all Corrigendum/Addendum/Clarification etc. by logging in with E-Tender Portal using his DSC (i.e. DSC of POA/ Owner) & read the all tender Instruction & clauses carefully.
- g. **For submission of Tender Document and Corrigendum, Tick (✓) Submission Process has been enabled in Technical section of E-Tender Portal of MAHA-METRO. Bidders have to tick (✓) the corresponding checkbox provided in the Technical Section of E-Tendering portal as a token of acceptance of these bid documents & corrigendum / Addendums. By clicking the tick (✓) the bid documents & corrigendum /addendum shall automatically attached to offer of bidder. Further bidder may proceed for submission by clicking submit button.**
- h. **If the bidder has completed the submission process of his bid before due date of submission and in between employer issue a corrigendum, in this circumstances the bidder has to re-submit his bid by “clicking tick (✓)” to the new added corrigendum, in case the new corrigendum has any implications to his already submitted bid. Bidder may, at his option, amend his bid accordingly & re-submit it.**
- i. Physical Sign & seal of bidder on each page of Bid Documents available online is not required.

- j. All required enclosures as per bid document shall be uploaded in “Technical Envelope” / “Technical Section” of E-Tender portal by using DSC of bidder.
- k. The “Technical Envelope” / “Technical Section” of E-Tender portal has been provided with facilities to upload a file of maximum size of 10 mb only at each entity.
- l. If bidder are desirous to upload a file more than 10mb size, he shall spilt the file in two or more parts of 10mb or lesser than 10mb each and can upload the same at appropriate **Technical Template** or “**Additional Document**” section of “**Technical Envelope/section**” of E-Tender Portal.

Note:-

- ***Realization of NEFT/RTGS payment normally takes 24 hours, so it is advised to make Sure that NEFT/RTGS payment activity should be completed well before time.**
- ***NEFT/RTGS option will be depend on the amount of EMD.**
- ***Help File regarding use of e-Payment Gateway can be downloaded from e-Tendering Portal.**

v. **Short listing of Contractors for Financial Bidding Process:**

The Tendering Authority will first open the Technical Bid documents of all Contractors and after scrutinizing these documents will shortlist the Contractors who are eligible for Financial Bidding Process. The shortlisted Contractors will be intimated by email.

vi. **Opening of the Financial Bids:**

The Contractors may remain present in the Office of the Tender Opening Authority at the time of opening of Financial Bids.

vii. **Tender Schedule (Key Dates):**

All the online activities are time tracked and the Electronic Tendering System enforces time-locks that ensure that no activity or transaction can take place outside the Start and End Dates and Time of the stage as defined in the Tender Schedule.

At the sole discretion of the Tender Authority, the time schedule of the Tender stages may be extended.

Note: - For details illustrations, please refer or down load the PPT demonstration available on E-Tender portal of <https://mahametrorail.etenders.in>

Terms and Conditions for Online-Payments

The Terms and Conditions contained herein shall apply to any person ("User") using the services of MAHA-METRO Maharashtra, hereinafter referred to as "Merchant", for making Tender fee and Earnest Money Deposit (EMD) payments through an online Payment Gateway Service ("Service") offered by ICICI Bank Ltd. in association with E Tendering Service

provider and Payment Gateway Service provider through MAHA-METRO Maharashtra website i.e. <https://mahametrorail.etenders.in> Each User is therefore deemed to have read and accepted these Terms and Conditions.

Privacy Policy:

The Merchant respects and protects the privacy of the individuals that access the information and use the services provided through them. Individually identifiable information about the User is not willfully disclosed to any third party without first receiving the User's permission, as covered in this Privacy Policy.

This Privacy Policy describes Merchant's treatment of personally identifiable information that Merchant collects when the User is on the Merchant's website. The Merchant does not collect any unique information about the User (such as User's name, email address, age, gender etc.) except when you specifically and knowingly provide such information on the Website. Like any business interested in offering the highest quality of service to clients, Merchant may, from time to time, send email to the User and other communication to tell the User about the various services, features, functionality and content offered by Merchant's website or seek voluntary information from The User.

Please be aware, however, that Merchant will release specific personal information about the User if required to do so in the following circumstances:

- a) In order to comply with any valid legal process such as a search warrant, statute, or court order, or available at time of opening the tender.
- b) if any of User's actions on our website violate the Terms of Service or any of our guidelines for specific services, or
- c) to protect or defend Merchant's legal rights or property, the Merchant's site, or the Users of the site or;
- d) to investigate, prevent, or take action regarding illegal activities, suspected fraud, situations involving potential threats to the security, integrity of Merchant's website/offerings. General

Terms and Conditions for E-Payment on E-Tender Portal

1. Once a User has accepted these Terms and Conditions, he/ she may register on Merchant's website and avail the Services.
2. Merchant's rights, obligations, undertakings shall be subject to the laws in force in India, as well as any directives/ procedures of Government of India, and nothing contained in these Terms and Conditions shall be in derogation of Merchant's right to comply with any law enforcement agencies request or requirements relating to any User's use of the website or information provided to or gathered by Merchant with respect to such use. Each User accepts and agrees that the provision of details of his/ her use of the Website to regulators or police or to any other third party in order to resolve disputes or complaints which relate to the Website shall be at the absolute discretion of Merchant.
3. If any part of these Terms and Conditions are determined to be invalid or unenforceable pursuant to applicable law including, but not limited to, the warranty disclaimers and liability

limitations set forth herein, then the invalid or unenforceable provision will be deemed superseded by a valid, enforceable provision that most closely matches the intent of the original provision and the remainder of these Terms and Conditions shall continue in effect.

4. These Terms and Conditions constitute the entire agreement between the User and Merchant. These Terms and Conditions supersede all prior or contemporaneous communications and proposals, whether electronic, oral, or written, between the User and Merchant. A printed version of these Terms and Conditions and of any notice given in electronic form shall be admissible in judicial or administrative proceedings based upon or relating to these Terms and Conditions to the same extent and subject to the same conditions as other business documents and records originally generated and maintained in printed form.
5. The entries in the books of Merchant and/or the Payment Gateway Service Providers kept in the ordinary course of business of Merchant and/or the Payment Gateway Service Providers with regard to transactions covered under these Terms and Conditions and matters therein appearing shall be binding on the User and shall be conclusive proof of the genuineness and accuracy of the transaction.
6. **Refund for Charge Back Transaction:** In the event there is any claim for/ of charge back by the User for any reason whatsoever, such User shall immediately approach Merchant with his/her claim details and claim refund from Merchant alone. Such refund (if any) shall be affected only by Merchant via payment gateway or by means of a demand draft or such other means as Merchant deems appropriate. No claims for refund/ charge back shall be made by any User to the Payment Gateway Service Provider(s) and in the event such claim is made it shall not be entertained.
7. In these Terms and Conditions, the term "**Charge Back**" shall mean, approved and settled credit card or net banking purchase transaction(s) which are at any time refused, debited or charged back to merchant account (and shall also include similar debits to Payment Gateway Service Provider's accounts, if any) by the acquiring bank or credit card company for any reason whatsoever, together with the bank fees, penalties and other charges incidental thereto.
8. Refund for fraudulent/duplicate transaction(s): The User shall directly contact Merchant for any fraudulent transaction(s) on account of misuse of Card/ Bank details by a fraudulent individual/party and such issues shall be suitably addressed by Merchant alone in line with their policies and rules.
9. Server Slow Down/Session Timeout: In case the Website or Payment Gateway Service Provider's webpage, that is linked to the Website, is experiencing any server related issues like 'slow down' or 'failure' or 'session timeout', the User shall, before initiating the second payment,, check whether his/her Bank Account has been debited or not and accordingly resort to one of the following options:

i. In case the Bank Account appears to be debited, ensure that he/ she does not make the payment twice and immediately thereafter contact Merchant via e-mail or any other mode of contact as provided by Merchant to confirm payment.

ii. In case the Bank Account is not debited, the User may initiate a fresh transaction to make payment.

However, the User agrees that under no circumstances the Payment Gateway Service Provider shall be held responsible for such fraudulent/duplicate transactions and hence no claims should be raised to Payment Gateway Service Provider No communication received by the Payment Gateway Service Provider(s) in this regard shall be entertained by the Payment Gateway Service Provider.

Limitation of Liability of Merchant/ Payment Gateway

1. Merchant has made this Service available to the User as a matter of convenience. Merchant expressly disclaims any claim or liability arising out of the provision of this Service. The User agrees and acknowledges that he/ she shall be solely responsible for his/ her conduct and that Merchant reserves the right to terminate the rights to use of the Service immediately without giving any prior notice thereof.

2. Merchant and/or the Payment Gateway Service Providers shall not be liable for any inaccuracy, error or delay in, or omission of (a) any data, information or message, or (b) the transmission or delivery of any such data, information or message; or (c) any loss or damage arising from or occasioned by any such inaccuracy, error, delay or omission, nonperformance or interruption in any such data, information or message. Under no circumstances shall the Merchant and/or the Payment Gateway Service Providers, its employees, directors, and its third party agents involved in processing, delivering or managing the Services, be liable for any direct, indirect, incidental, special or consequential damages, or any damages whatsoever, including punitive or exemplary arising out of or in any way connected with the provision of or any inadequacy or deficiency in the provision of the Services or resulting from unauthorized access or alteration of transmissions of data or arising from suspension or termination of the Services.

3. The Merchant and the Payment Gateway Service Provider(s) assume no liability whatsoever for any monetary or other damage suffered by the User on account of:

(I) the delay, failure, interruption, or corruption of any data or other information transmitted in connection with use of the Payment Gateway or Services in connection thereto; and/ or (ii) any interruption or errors in the operation of the Payment Gateway.

4. The User shall indemnify and hold harmless the Payment Gateway Service Provider(s) and Merchant and their respective officers, directors, agents, and employees, from any claim or demand, or actions arising out of or in connection with the utilization of the Services.

The User agrees that Merchant or any of its employees will not be held liable by the User for any loss or damages arising from your use of, or reliance upon the information contained on the Website, or any failure to comply with these Terms and Conditions where such failure is due to circumstance beyond Merchant's reasonable control.

Miscellaneous Conditions:

Any waiver of any rights available to Merchant under these Terms and Conditions shall not mean that those rights are automatically waived.

1. The User agrees, understands and confirms that his/ her personal data including without limitation details relating to debit card/ credit card transmitted over the Internet may be susceptible to misuse, hacking, theft and/ or fraud and that Merchant or the Payment Gateway Service Provider(s) have no control over such matters.
2. Although all reasonable care has been taken towards guarding against unauthorized use of any information transmitted by the User, Merchant does not represent or guarantee that the use of the Services provided by/ through it will not result in theft and/or unauthorized use of data over the Internet.
3. The Merchant, the Payment Gateway Service Provider(s) and its affiliates and associates shall not be liable, at any time, for any failure of performance, error, omission, interruption, deletion, defect, delay in operation or transmission, computer virus, communications line failure, theft or destruction or unauthorized access to, alteration of, or use of information contained on the Website.
4. The User may be required to create his/ her own User ID and Password in order to register and/ or use the Services provided by Merchant on the Website. By accepting these Terms and Conditions the User agrees that his/ her User ID and Password are very important pieces of information and it shall be the User's own responsibility to keep them secure and confidential. In furtherance hereof, the User agrees to;
 - i. Choose a new password, whenever required for security reasons.
 - ii. Keep his/ her User ID & Password strictly confidential.
 - iii. Be responsible for any transactions made by User under such User ID and Password.

The User is hereby informed that Merchant will never ask the User for the User's password in an unsolicited phone call or in an unsolicited email. The User is hereby required to sign out of his/ her Merchant account on the Website and close the web browser window when the transaction(s) have been completed. This is to ensure that others cannot access the User's personal information and correspondence when the User happens to share a computer with someone else or is using a computer in a public place like a library or Internet cafe.

Debit/Credit Card, Bank Account Details

1. The User agrees that the debit/credit card details provided by him/ her for use of the aforesaid Service(s) must be correct and accurate and that the User shall not use a debit/ credit card, that is not lawfully owned by him/ her or the use of which is not authorized by the lawful owner thereof. The User further agrees and undertakes to provide correct and valid debit/credit card details.

2. The User may make his/ her payment (Tender Fee/Earnest Money deposit) to Merchant by using a debit/credit card or through online banking account. The User warrants, agrees and confirms that when he/ she initiates a payment transaction and/or issues an online payment instruction and provides his/ her card / bank details:
 - i. The User is fully and lawfully entitled to use such credit / debit card, bank account for such transactions;
 - ii. The User is responsible to ensure that the card/ bank account details provided by him/ her are accurate;
 - iii. The User is authorizing debit of the nominated card/ bank account for the payment of Tender Fee and Earnest Money Deposit
 - iv. The User is responsible to ensure sufficient credit is available on the nominated card/ bank account at the time of making the payment to permit the payment of the dues payable or the bill(s) selected by the User inclusive of the applicable Fee.

Personal Information

1. The User agrees that, to the extent required or permitted by law, Merchant and/ or the Payment Gateway Service Provider(s) may also collect, use and disclose personal information in connection with security related or law enforcement investigations or in the course of cooperating with authorities or complying with legal requirements.
2. The User agrees that any communication sent by the User vide e-mail, shall imply release of information therein/ therewith to Merchant. The User agrees to be contacted via e-mail on such mails initiated by him/ her.
3. In addition to the information already in the possession of Merchant and/ or the Payment Gateway Service Provider(s), Merchant may have collected similar information from the User in the past. By entering the Website the User consents to the terms of Merchant's information privacy policy and to our continued use of previously collected information. By submitting the User's personal information to us, the User will be treated as having given his/her permission for the processing of the User's personal data as set out herein.
4. The User acknowledges and agrees that his/ her information will be managed in accordance with the laws for the time in force.

Payment Gateway Disclaimer: The Service is provided in order to facilitate payment of Tender Fees/Earnest Money Deposit online. The Merchant or the Payment Gateway Service Provider(s) do not make any representation of any kind, express or implied, as to the operation of the Payment Gateway other than what is specified in the Website for this purpose. By accepting/ agreeing to these Terms and Conditions, the User expressly agrees that his/ her use of the aforesaid online payment service is entirely at own risk and responsibility of the User.