

REQUEST FOR INFORMATION (RFI)

RFI #: 611/2025	SUBMITTED TO:
DATE:	
NEEDED BY:	SUBMITTED BY: [NAME/TITLE COMPANY]
PROJECT:	

1. BACKGROUND AND PURPOSE OF THE RFI

NTA Metropolitan Mass Transit System Ltd. ("NTA") is the company responsible for the design and construction of a mass transit system for the Tel Aviv metropolis (the "**Mass Transit System**"). Through this Request for Information (the "**RFI**") NTA wishes to receive relevant information about technological and innovative solutions, from technology providers which have proven experience with Depot Equipment design and production for Metro network.

This RFI is a preliminary process initiated by NTA, solely for receiving information and conducting its initial internal evaluation and consideration. This RFI does not, in any manner whatsoever, constitute a tender, bid, offer, proposal, or request nor does it constitute an engagement, representation or warranty on behalf of NTA. Response to this request will not constitute a condition for participation in the tender, if any is subsequently issued, and no advantage will be given in the tender to those who responded to the RFI. Based on the responses to this RFI, suitable companies may be invited for further deliberations by NTA, at its sole discretion. Responses are welcome from both single suppliers and / or consortia that can provide a range of Depot Equipment solutions.

2. INTRODUCTION OF NTA

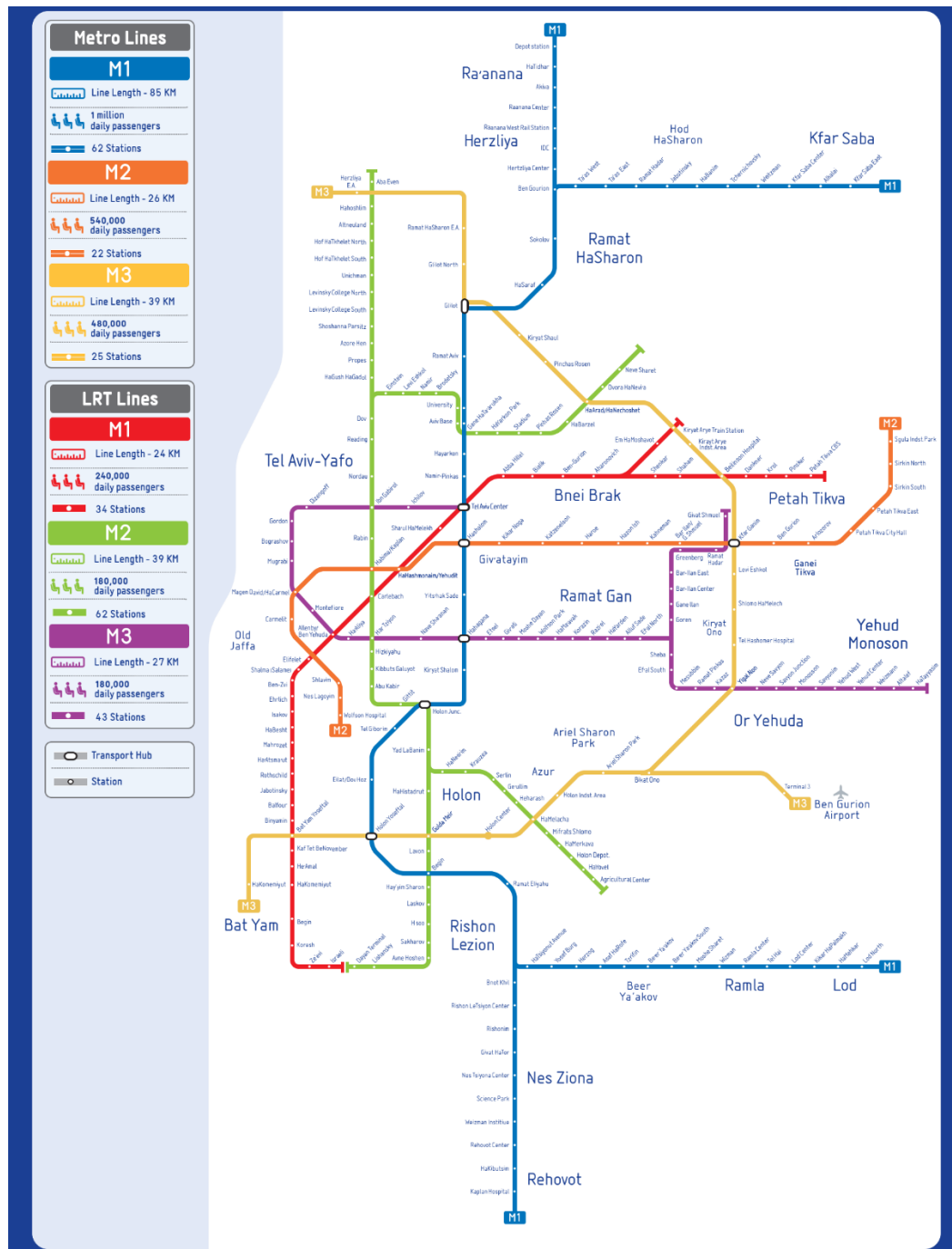
NTA is the governmental company responsible for the development of the Tel Aviv Metropolitan Mass Transit System, a network of light rail transit and future metro railway lines. NTA is leading an economic and cultural revolutionary transformation in the transportation sector by constructing the mass rail transit system of the Gush Dan region. The Mass Transit System is the largest and most complex transportation project in Israel.

The Mass Transit System integrates with all means of transportation, including three Light Rail Transit (LRT) lines and three Metro Lines as follows:

- ✓ The **Red Line** Project (RLP), that has recently commenced operating, extends from Bat Yam to Petach Tikva via Tel Aviv, Ramat Gan and Bnei Brak and is one of the most heavily used traffic corridors in the Tel Aviv Metropolitan area. It stretches, in total, over approximately 24 km, and comprises at-grade sections at both ends and a central underground section of approximately 12 km.
- ✓ The **Purple Line**. The total length of the line will stretch over approximately 27 km, with 46 stops. The line is entirely at-grade and includes bridges. At the eastern end of the line, a depot for heavy maintenance is located. Two Stops will be located on the bridges.
- ✓ The **Green Line**. The line connects between Rishon Le Zion at the south, Tel Aviv in the middle and Herzliya at the North. The line is 39 km long, with 4.5 km running underground. It has 62 stops, 4 of which are underground.

✓ The **Metro System** network includes 3 lines:

1. The first line (M1) is 85 km long and includes two branches from the south and two from the north joining in a common section along the Ayalon-Namir corridor. The fleet consists of 129 train approximately, and the Depot at Rishonim and Raanana shall have stabling positions for all of them;
2. The second line (M2) is 25 km long and serves the eastbound corridor from Petah Tikva to Ramat Gan, Tel Aviv and Bikat Ono. The fleet consists of 20 trains;
3. The third line (M3) is 32 km long and connects Tel Aviv north coast to the south coast via a half-ring to the east. The fleet consists of 18 trains. M2 and M3 are sharing the same Depot at Metsubim and altogether shall house at least 42 train stabling positions.



3. SPECIFICATIONS FOR REQUESTED SOLUTIONS

Responses to this RFI are welcome from Suppliers / Consortia which have proven experience with Depot Equipment design and manufacturing for similar projects and are developing innovative solutions for the next generation of Depot Equipment & Machine Plants under the following categories of Machinery Listed below.

The power supply voltage system shall be 1500V dc and nominal track gauge of 1.435 mm.

- Machine for manipulating train units (battery shunters)
- Machine for cleaning train in GoA4 mode (Stable auto wash plant in a covered building)
- Machine for handling bogies (stands & pushers, turn table, press, bogie washer)
- Machine for reprofiling the wheels (wheel lathe)
- Machine for (re-railing) rescuing defective trains.
- Machine for handling heavy depot items (Mobile lifting Jacks, Pit lifting jack, cranes, forklifts, scissor lifts)
- Special tools and equipment for rolling stock
- Plants for maintain the infrastructure (CMV), Track grinders, tunnel cleaning, flat wagons
- Diagnostic equipment (Wireless TCMS communication system, Condition based Monitoring system, Asset Management System, Digital computing services, Cloud Computing, Predictive analysis system)
- Equipment for powering trains in workshop (Shore supply units)
- Equipment for painting
- Equipment for refuelling diesel vehicles
- Equipment for charging batteries (Batteries of Rolling Stock, Depot maintenance vehicles)
- Work benches for repairing equipment (Electrical, Electronic, Mechanical & Pneumatic test benches)
- Test benches and portable equipment for testing rolling stock (Jigs, fixtures, trolleys, etc.)
- Equipment/System for performing diagnostics on MEP/Systems
- Measuring tools and testing equipment (Pantograph measurement, wheel wear, hot axle box, Automatic track monitoring system, Wheel Impact detection system, etc.)
- Equipment for Wheel press machine
- Equipment for Retractable Over Head Catenary line inside maintenance building.
- Equipment for Material Handling Equipment (Tools & Storage Automatic winding machine, Electric lifters for Warehouse)
- Interoperability solution for movement of Depot vehicles such as CMV, Rerailing Vehicles, shunters between different lines with different signalling systems.
- Equipment for Component Blow Down plant

Electrically Operated Travelling Crane (EOT) with maximum capacity of 15T/5T

4. A LIST OF DATES FOR THIS RFI

- Date of publication of the RFI – 10.11.25
- The deadline for submission of clarification questions by the Participants – 1.12.25

- The deadline for submission of responses to the RFI – 19.1.26

5. COMMERCIAL CONFIDENTIALITY AND WAIVER OF CLAIMS

1. NTA may use any information it receives during or in connection with the RFI from a Participant or any third party (the "Information") for any purpose it deems fit, including for preparing specifications or any other documents. In addition, NTA may transfer any such Information to any of its consultants or any person on its behalf. The supplier of the Information waives all claims and demands of any kind against NTA in connection with NTA's abovementioned rights, including (but not limited to) copyrights, commercial confidentiality, privacy, etc.
2. Without derogating from the above, the Participants may mark, in a clear, complete and legible manner, Information contained in the Response which is considered commercially sensitive or of a confidential nature. To the extent permitted by applicable laws, and at its sole discretion, NTA shall consider refraining from disclosing such Information (if so requested).
3. The Participant declares and confirms that the provided Information is free from any violations of third-party rights, including (but not limited to) copyrights, commercial confidentiality, privacy etc. The Participant shall bear full and exclusive responsibility for any claims or demands arising from such third-party rights violations subsequent to this RFI, and all related expenses will be solely borne by the Participant.

6. INSTRUCTIONS REGARDING THE SUBMISSION OF THE RESPONSE TO THE RFI

1. Participants are free to choose the questions to respond to, based on their expertise and experience, it is not mandatory to respond to all of the questions.
2. The Participants are requested to fill-in all the information on **Annex A**. Each question should be addressed separately.
3. It is recommended to attach supporting information in a visual format such as presentations, videos, photos, brochures, etc.
4. The response to the RFI shall be submitted in English. Appendices and technical specifications can be attached unlimited in scope.
5. The response to the RFI must be submitted in a digital copy by the deadline for submitting responses, as specified in section 5 above, via email: **Tender6@nta.co.il**. The email's subject line will state: "A response to RFI to receive relevant information about technological and design innovative solutions for Depot Equipment and machinery Plants".
6. NTA may postpone the response submission deadline at its sole discretion. A notice to that effect shall be posted on NTA's website. The notice shall specify the new response submission date .

7. EXAMINATION OF THE RESPONSE

1. NTA reserves the right, at its sole discretion, to contact, as necessary, all or some of the Participants with requests for information and clarifications, for presentations and demonstrations, for visits to the Participants' sites and the sites of their clients, etc.
2. As part of the response examination process, NTA reserves the right to invite any Participant to present the solution proposed by it to a professional team on its behalf at a location and at a time determined by NTA.

3. As part of the response examination process, NTA reserves the right, at its sole discretion, to invite all or some of the Participants to launch a pilot project.

8. QUESTIONS AND CLARIFICATION REQUESTS

1. Clarification questions regarding this RFI must be submitted only in writing, via e-mail to NTA's contact person, as specified in section 10 below. The questions must be submitted no later than the deadline for clarification questions as detailed in section 5 above.
2. The Participant must verify that its questions were received by the contact person, as specified in section 10 below, by phone.
3. NTA reserves the right to conduct one or more rounds of clarification questions at its sole discretion.
4. The clarification questions will be submitted in English, in the following format:

Number of the section in the RFI	Question

5. Answers to the clarification questions will be posted on NTA's website.
6. It is underlined that the clarification answers will be worded in a way that does not reveal the identity of the inquirer.

9. RESERVATIONS AND NTA'S DISCRETIONS

1. NTA may publish a new Request for Information, an invitation to pre-qualify, tender proceedings and/or any other proceedings with respect to the Project or any part thereof and/or with respect to any other project whatsoever, in any manner which it will deem appropriate. Without derogating from the above, NTA may pursue any engagement based on the information submitted in this FRI, whether through the conduct of a bid or a tender, or without conducting such proceedings, as NTA deems fit.
2. NTA may request additional information (in writing or otherwise) as it deems necessary, request to visit sites or facilities constructed or operated by the Participant, or carry out professional inquiries regarding any Participant (including by way of contacting third parties).
3. The Participants shall not be entitled to any payment for the information provided by them pursuant to this RFI. All expenses incurred by a Participant or anyone on its behalf shall be borne solely by the Participant. Participants shall not be entitled to any reimbursement or compensation for expenses in connection to their participation in this RFI.
4. NTA shall not be responsible or liable towards a Participant or anyone on its behalf in connection with this RFI, including in connection with information provided by or to NTA pursuant to or in connection with this RFI.
5. NTA may amend, withdraw or cancel this RFI, at any time and without providing reasons or justifications for doing so.

6. This RFI is subject to the law of the State of Israel, including the Mandatory Tenders Regulations, 5753-1993 and the obligation to disclose information in accordance with Section 14A thereof.

10. CONTACT PERSON ON BEHALF OF NTA

The contact person on behalf of NTA regarding this RFI is Rotem ariel, email Tender6@nta.co.il

11. ANNEX A - RESPONSE TO THE RFI

General:

- This Appendix must be DIGITAL.
- Additional information should be attached to the relevant Appendix.
- It is recommended to attach supporting information in a visual format such as presentations, videos, photos, brochures etc.

A. Information about the Participant:

Supporting documents for questions 1-2 will be attached in a separate file captioned "**Appendix 1**".

1. General details regarding the company submitting the response (the "Participant"):

Participant's name: (Name of company or individual submitting the response)	
Classification of the Participant: (corporation, association, authorized dealer, independent consultant, etc.)	
I.D number/Company Registration Number:	
Contact Person: (Full name, position)	
Address:	
Phone no.:	
E-mail:	
Should NTA decide at its sole discretion to launch a pilot, would the Participant be interested in participating?	

2. Details about the Participant's knowledge and area of expertise and the relevance of the Participant's experience to the Project, if any.
B. Information about the proposed “Solution/s”: * Documents supporting answers to questions 3-10, complying where possible with the “Specifications” listed in section 4, will be attached in a separate file captioned " Appendix 2 ". <i>P.N. Responses are welcome from big Suppliers/Consortia that have experiences with Depot Equipment and manufacturing which has been implemented in similar Metro/Transportation projects embracing all main project lifecycle and comply with the “Specifications” specified in section 4.</i>
3. DO you have the advance technological concepts considered for the Innovative depot equipment solutions such as 1. Peripheral sensing technologies Swarm technology, remote sensing and drones/sensors to monitor equipment and facilities on the trains/lines/depot etc.
4. Are the Depot Equipment Technologies Utilizing the ROBOTS for regular scheduled Inspections of the rolling stock to check Wheel Wear and other component wears and any deformities in the Underframe / underslung equipment?
5. Are the Depot Equipment solutions using the new age Robotic cleaning systems ?
6. What innovative energy efficient systems do you use for Depot Equipment? What are the energy consumption levels, and efficiency measures used in your Depot Equipment?
7. Does your New generation Depot Equipment Support Augmented Reality (AR) to carry out maintenance? such as below • Holograms, • 3D-visions These aides could be used effectively for ○ Could be used for training purposes, ○ remote assistance with maintenance

8. Can the depot equipment solutions provided support AI enabled depot operations, The O&M strategy plans to have the AI assist for all operations in depot (including maintenance and management of assets and personnel). So depot equipment technology should be AI enabled
9. Is your technology matured enough to be implemented in the complex megaprojects of Tel Aviv? What are the major constraints of the “Solution/s” in the actual scenario? What do you expect for the future years?
10. <u>Readiness and Market Constraints for new Depot Equipment Stock design</u> Kindly provide details and your opinion and perception of market constraints which should be taken into account and managed.
C. Information regarding maintenance of the proposed Solution: * Documents supporting answers to question 11, will be attached in a separate file captioned "Appendix 3".
11. For each unique solution proposed: what is the required maintenance routine? How is it performed? What faults may appear in the Solution over time, including disabling faults? What is the treatment method?
D.Information regarding the Solution's privacy protection and information security measures: * Documents supporting answers to question 12 will be attached in a separate file captioned "Appendix 4".
12. What measures exist in the Solution to guarantee the protection of privacy and the security of information?
E. Additional relevant information about the proposed technological Solution/s or other solutions/functionalities relevant to the scope of the project. * Documents supporting further information will be attached in a separate file captioned "Appendix 5".
1. Will the Depot Equipment solutions proposed also include advance Simulators for the training of the Train Operators?

RESPONSE BY: [NAME, TITLE, COMPANY]	DATE:
ATTACHMENTS:	