

**Online Request for  
Information - RFI -  
Application of friction  
improving surfaces on high-  
risk road segments**

## 1. Background

- 1.1 Ayalon Highways Ltd. (hereinafter: “the Company”) is a government company that, pursuant to a government resolution and its foundation documents, deals in management, as the executing arm of government assignments via the Ministry of Transport for planning and executing transportation projects.
- 1.2 Currently, the Company is executing a number of projects, **in a national deployment**, with an emphasis on projects aimed at encouraging the use of public transport, while decreasing the use of private vehicles.
- 1.3 As a part of its operations, Ayalon Highways is, inter alia, responsible for the maintenance of road segments, in which it is necessary to increase the resistance coefficients to skidding. Improving the resistance to skidding would enable the Company to provide better safety levels and reduce the need for speed restrictions on a number of problematical segments.
- 1.4 Ayalon Highways wants to examine materials and technologies that would enable improving resistance to skidding of the paving, reliably over time. To this purpose, the Company is requesting information relating to a solution and, pursuant to Regulation 14a of the regulations to the Tenders Obligation Law, 5753 – 1993 (hereinafter “the request”).

## 2. The Required Solution

- 2.1 The Company wants information about proven products that meet the requirements for improving resistance to skidding on roads, on the existing asphalt and that are suitable for application under Israeli climatic conditions.
- 2.2 To this purpose, proposals must relate to the following subjects:
  - a. The specifications of the materials proposed for executing the application must include the properties of the materials. If the Company has more than one alternative, these alternatives can be presented, while emphasizing the products suitable for roads with a high traffic volume.
  - b. Applicable technology on the pavement surface, including the need for using special equipment, an evaluation of the execution scope per workday, the curing time for opening the road to traffic etc.
  - c. Anticipated application limitations, that are associated with temperature, humidity, new asphalt conditions and the types of asphalt etc.
  - d. Mandatory quality control means for guaranteeing:
    - Proper execution of the work,
    - Accuracy in the quantities of the applied materials
    - Attaining the required final result.
  - e. The characteristics of the final product, including a reference to the following subjects:

- Resistance to skidding and depth of the texture received after treatment. Resistance to skidding in terms of BPN (with TRL rubber) and the depths of the texture from the sand patch grade results (in millimeters).
- The time effect, UV, the volume of traffic and composition of the traffic on these parameters, including reference to deterioration of the parameters over the entire service period.
- Estimates for the anticipated service period under various conditions
- f. Detailed application procedures for the proposed solution.
- g. Experience throughout the world and confirmation from authorized entities.
- h. The method for training and authorizing local agents with the goal of ensuring high quality application in Israel.
- i. Documents that have been issued by independent authorities, such as:
  - Authorizations (such as BBA) regarding national road authorities, regarding the use and characteristics of the specific materials.
  - Published professional reports that mention the specific materials
- j. The MSDS documents of the various materials. The environmental effects of the materials. Potential risks during and after application.
- k. Contact details of the manufacturer / supplier of the materials and the local agent, should there be any. Foreign manufacturers / suppliers that currently do not have a local agent are also invited to participate in the process. However, in cases in which the practical application will become relevant, the local agent together with the full professional support of the manufacturer will be required.
- l. We want the response to include information about the actual practical applications, scopes, friction measurement results, data on accidents during the pre-and post periods and any other relevant information for evaluating the efficacy of the treatments from the safety aspect.

### 3. **The response to the Request**

3.1 Within the frame of reference of the response to the request, the following information must be provided:

3.1.1 **Appendix A – General Information about the Responder.**

3.1.2 **Appendix B – A Description of the Proposed Solution-** The responder will be asked to attach a general description (SPEC) of the proposed solution. The specifications schedule must be prepared pursuant to and relate to the list of subjects attached in Appendix B. In addition, catalogs, links to websites or any other source in which the requested information, should there be any, must be attached.

### 4. **Online Procedure**

- 4.1 This procedure must be managed as an online procedure pursuant to the provisions in Regulation 19c of the Tenders Obligation Law 5743 – 9093. The proposers must be aware of the fact that they must act so that their proposal is submitted via the electronic tenders system operated and maintained by “Dekel” (“**the online system**”) and that, in this procedure, no proposals that are not submitted via the online system will be accepted.

Anyone wishing to participate in the procedure, is required to register on the online system in advance. For the purposes of advanced registration, access the link to the online system published on the Ayalon Highways website under the tab, “Tenders” on the relevant procedures page and complete the required details. Registering as early as possible so as not to be late in submitting, in view of delays and various possible hitches, is recommended.

It must be clarified that, if a participant has been registered on the online system in the past, there is no obligation to register again.

- 4.2 After completing registration for the procedure, the proposer will receive an email message, confirmation from the system of completing registration, with the details for entering the system via an email message with details for entering into the system. Proposers are recommended to save this confirmation for monitoring and control.

If no confirmation of registration is received, the proposer must contact Ms Katya Goldovich at telephone No 04-814-5400, extension 1 or by mail [service@dekel.co.il](mailto:service@dekel.co.il) and confirm that the registration request was executed. The proposer is solely responsible for ensuring sufficiently in advance that the registration for the invitation was executed properly and that he has been given access to the online system for the purposes of his participation in the procedure and, the proposer hereby, in advance, irrevocably waives any claim against the Company regarding the absence of a possibility for the proposer to submit clarifying queries his proposal on time via the aforementioned online system

- 4.3 Because only a proposer, who has registered for the procedure and has been equipped with identification means as required, shall be entitled to submit clarifying queries for the procedure / a response to the procedure. No claim pursuant to which a proposer was prevented from submitting his queries / response on time for any reason whatsoever will be accepted, including in view of a technical hitch, absence of any suitable Internet connection, or a lack of ability of the technical aid in performing the registration.
- 4.4 The proposer must scan all the procedure documents signed by him, and attach all the necessary documents for the purposes of supporting the proposal.
- 4.5 The proposers’ attention is drawn to the instructions in **Appendix C** - Conditions for Participation in the Online Procedure in the Framework of the “Dekel Tender” System.

## 5. **General Instructions**

- 5.1 The responder to the request must submit it in Hebrew or English, together with the mandatory documents and details as aforementioned, including all the relevant information, such as presentations, movies, pictures, documents, experiments etc.

- 5.2 **The last date for submitting proposals is at 12:00 noon (Israel local time) on 16/8/2021. Any proposal not submitted on the computerized system by the aforementioned date will not be accepted.**
- 5.3 To obviate any doubt, it is hereby emphasized that submitting a reply must be mechanized as aforementioned and no submission of a proposal in any other manner will be permitted (unless specified thus expressly).
- 5.4 Queries or requests for clarification relating to this request can be submitted no later than 28/7/2021 **via the designated tab on the procedure page on the website.**
- 5.5 This request is not intended to invite submitting bids and is not a part of a tender procedure or of any competitive procedure whatsoever and, therefore, it does not contain anything to create any obligation whatsoever regarding anyone replying to it. This request is solely intended for receiving information according to the details herein and, following receipt of the information, the Company will consider continuing its action on the subject of the request, should there be any.
- 5.6 This request does not contain any obligation whatsoever on the part of the Company to publish a tender and/or competitive procedure on the subject of this request, or to include one or other entity in a future tender should any be published and, this procedure contains nothing to create any obligation or promise regarding any participants, person and/or entity whatsoever
- 5.7 Responding to this request contains nothing to impart any advantage in a tender/competitive procedure as aforementioned, should any be published, and it contains nothing to promise complying with threshold conditions or any other condition regarding a tender/competitive procedure as aforementioned.
- 5.8 Should the Company decide to publish a tender and/or competitive procedure as aforementioned, in the tender/competitive procedure, it shall be entitled to demand services differing from those presented in this request and it shall be entitled to set additional or other conditions from those presented in this request, at its discretion.
- 5.9 The Company shall be entitled to request clarifications, supplements or additional information from anyone responding to this request or from other entities, all as it deems fit.
- 5.10 The Company is entitled to invite responders for the purposes of presenting their proposal before its representatives. It must be clarified that the Company is not obligated to invite or the responders.
- 5.11 The Company sees the obligation of an invitation to demonstrate the proposed solution unit at the sites in which they will work (including by way of a remote presentation), in the outline described by the responder.

- 5.12 Each responder to this request declares that he agrees that the Company can use all or a part of the information furnished by him for the purposes of preparing a tender or for any other purpose whatsoever as it deems fit.
- 5.13 The responders to the request are asked to specify what the data and/or documents included in the response that was submitted by them are and that, in their opinion, constitute a commercial secret. Subject to any law, Ayalon Highways will maintain the confidentiality and will not disclose and/or transfer any information that constitutes a commercial secret, that has come into its possession in the framework of this request, apart from to Ayalon Highways employees and consultants on its behalf, for whom the aforementioned information is necessary for the purposes of fulfilling their functions. It must also be clarified that the responders to this request are entitled to submit documents and references in which details that are not relevant to this request have been redacted.
- 5.14 A responder to this request declares that he waves any claim in advance, including regarding intellectual title and/or a litigation and/or demand from the Company or anyone or its behalf and/or from the Ministry of Transport for the information included as a part of his reply to this request or in the framework of requests for clarification following it should there be any.
- 5.15 All the expenses involved in preparing the reply to this request and its submission, are under the sole responsibility of the responders and at their expense. Responders shall not be entitled to any compensation or indemnification or refund or payment whatsoever from the Company for submitting the reply to this request and the Company shall not bear any liability in this regard whatsoever.
- 5.16 A responder, who submits information in reply to this request undertakes that, in the frame of reference of the information that he submitted and/or any use made of it, shall not prejudice the rights, including copyrights or commercial secrets of any third party. The responder is solely responsible for any demand and/or allegation originating in a claim that third party rights as aforementioned have been violated.
- 5.17 The Company is entitled to cancel this request at any stage whatsoever for any reason whatsoever.
- 5.18 It must be clarified that Ayalon Highways does not undertake to choose any technology whatsoever proposed in the framework of this request and that it is entitled not to apply even a technology that was proposed as a part of this request, all pursuant to its sole discretion.

**Appendix A - The Profile of a Proposal to this Request for Information**

Name: \_\_\_\_\_ Corporation/D.L. No.: \_\_\_\_\_

Your of Establishment: \_\_\_\_\_ Address: \_\_\_\_\_

Name of the Responder's Contact Person : \_\_\_\_\_ Function: \_\_\_\_\_ Telephone

No: \_\_\_\_\_ Email: \_\_\_\_\_

Names of the Responder's Owners: 1. \_\_\_\_\_ ID No. \_\_\_\_\_

2. \_\_\_\_\_ ID No. \_\_\_\_\_

3. \_\_\_\_\_ ID No. \_\_\_\_\_

(If the owner of the corporation is a corporation, detail the owners of that corporation)

Fields of Operation: \_\_\_\_\_

Major Technologies on which the Respondent's Operations are Based

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\*Additional documents and any relevant information can be attached.

## **Appendix B – The Technical Specifications Schedule of the Proposed Solution**

- a. The specifications of the materials proposed for executing the application must include properties of the materials. If the Company has more than one alternative, these alternatives can be presented, while emphasizing the products suitable for roles with a high traffic volume.
- b. Applicable technology on the pavement surface, including the need for using special equipment, and evaluation of the execution scope per workday, the curing time for opening the road to traffic etc.
- c. Anticipated application limitations, that are associated with temperature, humidity, new asphalt conditions and the types of asphalt etc.
- d. Quality control means necessary in order to guarantee:
  - Proper execution of the work,
  - Accuracy in the quantities of the applied materials
  - Attaining the required final result.
- e. The characteristics of the final product, including a reference to the following subjects:
  - Resistance to skidding and depth of the texture received after treatment. Resistance to skidding in terms of BPN (with TRL rubber) and the depths of the texture from the sand patch grade results (in millimeters silent).
  - The time effect, UV, The volume of traffic and composition of the traffic on these parameters, including reference to deterioration of the parameters over the entire service period.
  - Estimates for the anticipated service period under various conditions
- f. Detailed application procedures for the proposed solution.
- g. Experience throughout the world and confirmation from authorized entities.
- h. The method for training and authorizing local agents with the goal of ensuring high quality application in Israel.
- i. Documents that have been issued by independent authorities, such as:
  - authorizations (such as BBA regarding national road authorities, regarding the use and characteristics of the specific materials.
  - Published professional reports that mention the specific materials
- j. The MSDS documents of the various materials. The environmental effects of the materials. Potential risks during and after application.
- k. Contact details of the manufacturer / supplier of the materials and the local agent, should there be any. Foreign manufacturers / suppliers that currently do not have a local agent are also invited to participate in the process. However, in cases in which the practical application will become relevant, the local agent together with the full professional support of the manufacturer will be required.



1. We want the response to include information about the actual practical applications, scopes, friction measurement results, data on accidents during the pre-and post periods and any other relevant information for evaluating the efficacy of the treatments from the safety aspect.

**Appendix C - Conditions for Participation in the Procedure in the Framework of the “Dekel Tender” System**

1. I hereby confirm that I have read all the aforementioned procedure documents assiduously and that I am aware that all the procedure documents, including this appendix, without any exception, constitute an integral part of the procedure documents and or understood from this.
2. This procedure is being managed through the online website called “Dekel Tender”(“the website”) the address of which is <https://bids.dekel.co.il/ayalon>. (“the website address”).
3. Following are the procedure stages as they are managed through the website:
  - 3.1. Registration on the website and issuing a username and personal password for the participant. It must be emphasized that the entry of the bidders must be executed via a username and personal password only.
  - 3.2. Study of the Invitation Documents.
  - 3.3. Registration for the procedure via the website and receipt of a reference (my return) that confirms that the participant has been registered for the procedure.
  - 3.4. Management of Attachments: All the procedure documents including the appendices and references must be downloaded on the designated tab for this. Proposers must print and complete all the procedure documents. After completing and signing the documents and combining all the required documents, the documents must be scanned in a quality that enables convenient reading and submitting them on the designated tabs according to the classification: Mandatory documents, a response to clarification queries (to be published pursuant to the date established for it), additional messages and optional documents.

**It must be clarified and emphasized that the online system does not inspect the content of a document submitted or its suitability to the procedure requirements and the proposers bear sole responsibility for doing this..**

- 3.5. The price quote must be submitted on the designated tab for this on the site URL only and after the bidder has confirmed by clicking the button confirming sending the price quote.

The system will assign, encode and send the bidder’s quote encoded so that it cannot be viewed by any entity prior to the date for opening the mailbox by the Tenders Committee and/or those authorized to open it on its behalf..

- 3.6. Sending a Single Proposal. It must be clarified and emphasized to participants that submitting a number of bids by the same participant shall not be allowed and, after submitting the bidder’s bid via the online system, the system will be locked against submitting additional documents by that bidder.

Contact Ms Katya Goldovich with any queries at telephone No 04-814-5400, extension 1 or via mail: [service@dekel.co.il](mailto:service@dekel.co.il).

4. I hereby declare that I have understood all the documents and they details and that executing the contract, the submission conditions and all the other factors affecting or that are likely to have an effect on it, including in relation to the scope of the expenses, are known and familiar to me and I have based my proposal on this.

**Participant's Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_ **Tel No:** \_\_\_\_\_

**Contact Person:** \_\_\_\_\_

**Signature and Stamp:** \_\_\_\_\_

**Date:** \_\_\_\_\_