



Request for Information – Systems for photographing and monitoring smoke and air polluting emissions above and outside emission sources

The following is a summary of the dates set forth in the request for information:

Stage	Date
Date of publication of the RFI	Thursday 24.01.2019
<p>Last date for sending in clarification questions to michrazim@sviva.gov.il</p> <p>- The specific clause the question refers to is to be noted in clarification questions.</p> <p>The applicant must add a signed question and answer sheet to his bid.</p>	Sunday 03.02.2019
<p>Date of publication of clarification answers.</p> <p>Only one clarification file will be published after this date on the website of the Ministry for Environmental Protection at www.sviva.gov.il under the title "Michrazim" (Tenders) and on the Procurement Administration's website at www.mr.gov.il</p>	Monday 11.02.2019
Final date for submitting information	Thursday 28.08.2019 by 13:00 in the Ministry for Environmental Protection tender box at 5 Kanfei Nesharim St. Jerusalem, ground floor.

1. **General**

- 1.1 The Ministry for Environmental Protection (hereinafter: the “Ministry”) is hereby appealing to the public with a request for information regarding systems for photographing and monitoring smoke and air polluting emissions above and outside emission sources in industrial compounds.
- 1.2 The request refers to systems for identifying and photographing smoke as defined in the Abatement of Environmental Nuisances Law, 1961, and measuring various pollutants, including aromatic hydrocarbons, above petrochemical plants/installations or outside their fences as well as the method of measurement and operation required. The system will include:
 - 1.2.1 Equipment carrying device (such as a drone, vehicle, trailer etc.).
 - 1.2.2 Smoke photography and pollutant monitoring equipment.
 - 1.2.3 Supporting meteorological system.
 - 1.2.4 Real-time data processing system.
 - 1.2.5 System for recording and transmitting data to the regulator.

2. **Purpose of the Request for Information**

- 2.1 To obtain information about equipment existing in the market, their features and characteristics. Equipment specifications should include details such as a list of detectable materials, limits of detection (LOD), significance of the findings, the system's dependence on environmental parameters such as temperature, humidity, dust and other interfering materials.
- 2.2 To receive information about the system's operating system so that information can be received continuously and in real time.
- 2.3 Details of the required information will include a description of the user interfaces and information routing methods.
- 2.4 To obtain information on maintenance mechanisms for continuous photography and monitoring system.
- 2.5 To obtain information on the installation and operation of similar systems by the supplier in Israel and abroad, in particular in petrochemicals plants including examples that prove location of non-focused leaks.

3. **Equipment goals**

- 3.1 The Ministry is interested in examining an advanced system for photographing and monitoring smoke and air polluting emissions in real time above and outside emission sources in petrochemical plants.
- 3.2 The system will be required to perform a pilot in order to prove its performance capabilities as defined by the Ministry for Environmental Protection.
- 3.3 Information gathered will be examined by the Ministry for the purposes of developing the Ministry's policy regarding monitoring non-point leaks.

Requested information

3.4 Technical information about the devices and systems specified in clause 1.2 above

3.4.1 The following details shall be specified for each device/system:

3.4.2 An explanation about the device's operation principles and abilities.

3.4.2.1 Measuring technique.

3.4.2.2 Calibration method.

3.4.2.3 Measured parameters for every material recognized by the system, including: aromatic hydrocarbons, ammonia, nitrogen oxides, sulfur oxides, chloride acid, hydrogen sulphate (H₂S), dioxins and furans, hexane.

3.4.2.3.1 Measurement range.

3.4.2.3.2 Significance of measurement results.

3.4.2.3.3 Low range.

3.4.2.3.4 High range.

3.4.2.3.5 Lower detection.

3.4.2.3.6 Linearity.

3.4.2.3.7 Smoke detection according to the Ringelmann scale at all hours of the day and in all weather conditions.

3.4.2.3.8 Safety limitations.

3.4.2.3.9 Daylight savings synchronization.

3.4.2.3.10 Breakdown of operating times – maximum continuous operating, battery replacement/fuel refill time and back to normal operation, scheduled maintenance breaks.

3.4.3 Output.

3.4.4 Response time.

3.4.5 Drift at zero and Span.

3.4.6 Printing options.

3.4.7 Data transfer options between existing systems/interfaces to computerized databases.

3.4.8 Real-time alerts to the regulator for irregular events.

3.4.9 Compliance with international standards (EPA, EU, etc.) and Israeli standards, including standard sampling methods for monitoring and detecting black smoke.

3.4.10 Details of the manufacturer and/or importer, including their accreditation to standard ISO 17025.

3.4.11 Whether there are unique requirements/specific infrastructures for installing the device/system.

3.4.12 Whether there are unique requirements for device/system operators (licensing, etc.).

3.4.13 **Any additional technical detail** that may assist the Ministry in examining the suitability of the device/system to their needs.

3.4.14 Each device will be accompanied by original technical specifications from the device manufacturer. It should be noted whether special location conditions are needed (shading, inside or outside the building, height above ground surface / above the roof of a building, etc.).

3.5 **Information regarding equipment maintenance:**

3.5.1 Details of consumable materials.

3.5.2 Frequency of replacing consumable materials.

3.5.3 Preventative maintenance actions and frequency.

3.5.4 Length of warranty for the device/system.

3.5.5 Device calibration methods.

3.5.6 Mean time between failures (MTBF).

3.5.7 Any other information regarding device maintenance.

3.6 **Cost estimates:**

Clarification: The Ministry reserves the right to make use of the cost data in order to prepare a budget estimate.

3.6.1 Cost of purchasing/renting a system.

3.6.2 Annual cost of operating the system 24 hours a day, 7 days a week.

3.6.3 Annual maintenance and calibration costs for the system.

3.6.4 Cost of consumable materials and spare parts.

3.7 **Information regarding equipment supplier:**

3.7.1 Responder's name, address and contact details including name of contact person regarding this response.

3.7.2 Supplier's experience with selling these devices in Israel and abroad (number of devices, number of customers, etc.).

3.7.3 System supplier and manufacturer experience with providing operating services of this type of monitoring systems in Israel and abroad. Number of projects and customers.

3.7.4 What maintenance array will be available to the applicant for device maintenance?

4. **General conditions for participation in the process:**



- 4.1 For the avoidance of doubt, it is hereby clarified and emphasized that the request is intended for receiving information and the feasibility and benefit examination only and does not constitute an order or offer for any contractual engagement and is not a tender or other binding procedure or does not create a contract or other legal relationship between the Ministry and any of the participants.
- 4.2 This request does not obligate the Ministry in any matter, inter alia, to execute the project or to publish a tender or to submit a proposal for the execution of the project or any part of it to any of the participants, or to continue or to act in any proceeding, including with respect to orders, installation, purchase etc.
- 4.3 Participation in this process shall not constitute any advantage or preference in any tender or other proceeding that will be conducted by the Ministry in connection with the project or in general. This request is not an invitation to bid and is not part of tender procedures, therefore it does not create any obligation towards any of the respondents. The referral is intended for information only, and following it the Ministry will consider the continuation of its activities in accordance with professional considerations and issues.
- 4.4 The Ministry shall not be charged and shall not bear the financial expenses involved in the collection, preparation and submission of the requested information and in any other action related to these proceedings, which shall apply only to the participant who in no case shall be entitled to a refund or monetary compensation for such expenses.
- 4.5 The Ministry will review the information received and for this purpose will be entitled to contact the participants, in whole or in part, requesting clarifications, presentations and demonstrations, visits to customer sites, visits to suppliers' sites and any additional information, in writing or verbally.
- 4.6 After obtaining the required information in this procedure, the Ministry shall use the information as it sees fit and may include the information in RFP documents or in any other procedure, if any.
- 4.7 The Ministry may use the information received for no remuneration, for any purpose it wishes at its sole discretion, including writing specifications or requirements for the purpose of compiling a list of potential suppliers and transferring the information to its advisors and any other person entitled to receive it by law.
- 4.8 In accordance with the aforesaid, the Ministry reserves its right not to carry out the project, or any part thereof.
- 4.9 For the avoidance of doubt, this procedure does not create any status or expectation in connection with the writing of the specification or document of requirements as aforesaid or the documents of any tender procedure, including with regard to the determination of threshold conditions, the quality score, the character of the project as it will ultimately be decided or in any other matter.
- 4.10 Any participant who participates in the next stages of the proceedings, if any, shall be required to comply with all the conditions prescribed therein, and the information submitted by the participant in the RFI shall not be part of such proceedings and shall not bind the Ministry or the participant in any manner.



- 4.11 The Ministry does not undertake to examine all the material submitted, or to inform the bidders of the consequences of this request, if any, or what its results were in any other way.
- 4.12 Any party that chooses to answer this request declares that it waives any claim, including intellectual property and/or claim and/or demand from the Ministry and/or by any person acting on its behalf and/or from the State and/or by any person acting on its behalf in respect of information, in full or in part, which the body has provided in their response to this petition or subsequent clarifications.
- 4.13 If there is a tender process in the future, the Ministry may change or add conditions and requirements – all according to their professional discretion and in accordance with their needs.
- 4.14 The Ministry shall be entitled to make use of the information that will be provided in response to a request and the supplier shall not have any copyright claims.
5. **Method of delivering replies**
- 5.1 Questions or requests for clarifications regarding this application may be submitted by _____, to the Tenders e-mail at michrazim@sviva.gov.il
- 5.2 Response to the RFI must be submitted in one printed copy as well as a magnetic media copy (CD / DVD/ Disk-on-key).
- 5.3 The requested information is to be submitted no later than _____ **by 13:00**. Address: Ministry for Environmental Protection, 5 Kanfei Nesharim St. Givat Shaul, Jerusalem.



Appendix A

Respondent details form

Date: _____

To

Ministry for environmental Protection

Email: michrazim@sviva.gov.il

I/we, the undersigned, declare that we have received the RFI and request you send us any notification regarding said request to the following address:

Full address (including zip code): _____

Telephone number: _____ Mobile phone: _____

Fax number: _____ Email: _____

ID number (Business License No./Private company No.): _____ - _____

Sincerely,

Full name: _____

Stamp & signature: _____

For a corporation:

Signatory name: _____

Role: _____