



**OIL-WATER SEPERATOR T-130 CLEANING PROCESS
KIRYAT HAIM TERMINAL**

REQUEST FOR INFORAMATION (R.F.I)



Energy Infrastructures Company Ltd. (hereinafter referred to as: the “**Company**”) hereby submits this Request for Information only (RFI), as defined in section 14A of the Mandatory Tenders Regulations, 5753-1993 (hereinafter referred to as: the “Mandatory Tenders Regulations”), as described hereinafter:

1. **Confidentiality**

All information included in these RFI documents, are confidential and only for the recipients knowledge. No information included in this document or in discussions connected to it may be disclosed to any other party.

2. **Review of PEI – Petroleum and Energy Infrastructures**

- 2.1 PEI is a government company owned by the Israeli government, responsible for maintaining the energy continuity, stability and independence of the State of Israel in routine time as well as in emergency situations.
- 2.2 The company is engaged in the distribution and storage of crude oil, oil distillates and underground pipeline infrastructure for transformation of fuel across the country.
- 2.3 The Company's activity covers a wide range of services in the fuel economy: offshore services for import and export, storage, transmission, and supply of fuels, mainly distillates, throughout the country; handling crude oil products and distillates, and dispensing to tank vessels and road tankers. Further information at PEI's website: www.pei.co.il.

3. **Description of the Challenge for which the Solution is Required**

3.1 **Introduction**

Energy Infrastructure Ltd (PEI) is issuing a request for information (RFI), for cleaning Tank-130 using granted tank cleaning methods without odor and toxic emissions.
The tank cleaning method is required to meet relevant standards, as detailed below.

Tank-130 is defined as an oil-water separator storage tank.

3.2 **Purpose of the RFI**

The purpose of this RFI is to receive information in order to perform oil-water separator tank cleaning using granted tank cleaning methods while avoiding any amount of odor and toxic emissions during the process.

The main purpose of using tank-cleaning process is to lower the level of any flammable, toxic or inert gas to the level required for entry of workers inside the tank and performing hot maintenance works.



Based on the RFI material received, PEI will define the optimal specifications and preliminary conditions for a public tender that in the near future.

Please note, that neither the participation in this current RFI nor the provision of any information to PEI hereunder of otherwise shall grant any right, legal or otherwise, regarding participation in any current and/or further process and/or tender, conducted by PEI.

4. **RFI procedure**

PEI's staff will evaluate the information received from different aspects such as Mechanical Engineering, Chemical engineering and Environmental.

4.1 **Contacts and RFI schedule**

The participants are requested to submit the specified information until 9.2.2022.

Email address: tender22-0037@pei.co.il

Please advise if any additional information is required.

5. **Basic Solution Requirements**

5.1 **Project description**

Tank-130 contains an estimated amount of 2,500 CBM of mixed content from oil, water and sediments. See attached appendix A.

Currently, after several attempts, the operative process pumps are unable to lower the amount of the content from Tank 130. Furthermore, there was an attempt to lower the content using an 8 inch diesel mono pump. This attempt was unsuccessful.

The participants should offer implementation of a process such as "no man entry" cleaning suitable specifically for oil-water separator tanks to achieve "Gas Free" permission while avoiding any amount of odor and toxic emissions during the process.

The participants should present a detailed description of method used for carrying out the entire activity process of de-sludging and oil recovery-if possible, treatment and disposal of the removed sludge to an authorized landfill site, final cleaning of all tank elements in order to achieve "Gas free" acceptance.

5.2 **Tank - 130 Design**

- Nominal Diameter- 36.60 m'
- Height: 12.60 m'
- Mainly used as Oil-Water separator
- Max. capacity- 12,500 CBM
- Floating roof, single deck, with circumferal and central pontoons.



- Vertical stairs access to the maintenance balcony, adjustable stairs access to the roof.
- 2 shell manholes and 1 roof manhole
- Welded shell

6. **Procedure for Requesting Information**

- 6.1 This request is for information as well for a feasibility and profitability study only, it is not a quotation request, a contracting order, or an invitation to bid, and it is not a tender or any other binding procedure.
- 6.2 The request and its results do not bind the Company and/or anyone on its behalf, and they do not create any legal relationship between the Company and any of the participants, beyond the obligation of the participants to include truthful statements in the proposals on their behalf.
- 6.3 The Company does not guarantee that a future tender will be published on the subject and/or that the solutions offered as part of this procedure will be used.
- 6.4 Participation in this procedure does not give the participants any advantage in any other procedure that the company will conduct in this matter (if it takes place), other than the possibility of influencing (actually proposing the solution in this procedure only) the Company's professional decisions on the subject.
- 6.5 Participation in this procedure does not guarantee the participant's compliance with the threshold conditions to be determined in a future procedure, insofar as it is published.
- 6.6 If the Company decides to publish such a tender and/or competitive procedure, it will be entitled to demand in the tender / competitive procedure services that are different from those presented in this request, and it will be entitled to impose additional or different conditions than those presented in this request, at its discretion.
- 6.7 Depending on the information received in this procedure, the Company may, at its sole discretion, request clarifications, completions, or additional information from the participants, in whole or in part, on any subject related to this request, including presentations and demonstrations, piloting, POC field trials and capabilities test, visiting customer and supplier sites, as well as invite the participants to discuss the application, all as it deems suitable. It is hereby clarified that the Company is not obligated to contact all the participants as stated.
- 6.8 The company maintains its right to find solutions to the challenge in additional ways, in addition to and beyond this process, and the participant will have no claim for that.
- 6.9 Expenses for the participation in the procedure will be charged in full to the participants only, and they will not be entitled to any refund or monetary compensation in respect thereof, regardless of the results of the procedure.
- 6.10 The Company may revoke or change this request at any stage for any reason.



7. Participants Proposal Document

- 7.1 A participant wishing to take part in this procedure is requested to submit a proposal on his behalf in accordance with the requirements set out in this document. Each participant in this process declares that he agrees that the company may make use of the information provided by him, in whole or in part, for the purposes of preparing a tender or for any other need it deems appropriate.
- 7.2 The proposal documents are public, and the Company may make any use of them by law.
- 7.3 The Company and/or anyone on its behalf may use the information received, without consideration, for any necessary purpose, at the Company's sole discretion, including for the purpose of writing future specifications or formulating requirements and/or analyzing the information through the Company's employees and/or consultants and/or any other factor.
- 7.4 Notwithstanding the foregoing, if a participant is aware that a particular document contains a trade secret that may not be disclosed to third parties, it must be stated clearly and explicitly in the proposal documents. It is hereby clarified that such a statement may not make it possible to review the proposal as required and/or make future use of it in the context of a public procedure. It is hereby clarified that the participants may submit documents and references in which they have blacked out details that are not relevant to this application. In any case, the final decision in this matter is that of the Company.
- 7.5 A participant submitting information in response to this request declares that he waives in advance any claim, demand, request, including in the matter of intellectual property against the company and/or anyone on its behalf, in respect of the information, in whole or in part, provided by the participant in the procedure.
- 7.6 A participant submitting information in response to this request undertakes that as part of the information he submitted and/or any use he makes of it, no rights, including copyrights or trade secrets of a third party, will be infringed. The participant alone will be responsible for any claim and/or claim arising from the claim that such third party rights have been violated, and he will indemnify the Company immediately upon receipt of a claim in respect of any amount required and/or demanded to be paid due to a claim or demand as detailed above, including expenses and attorney's fees.
- 7.7 The Company does not undertake to examine all the material submitted to it, or to inform the participants what use it has made of this material, if any.

8. Summary of requirements from the participants

- 8.1 The proposal shall include information and documents regarding professional solutions to the problem presented in this procedure.
- 8.2 The participants are requested to offer detailed cleaning methods that perform oil-water separator tank cleaning using granted tank cleaning methods-while avoiding any amount of odor and toxic emissions during the process.
- 8.3 The participants are requested to provide approximate budget prices for the complete cleaning process.



8.4 The participants are requested to provide approximate total time schedule for the project.

APPENDIX A: ASTM D-4007 Sample Results from 02/01/2022



04/01/2022

Certificate No. 78858

Test ordered by: PETROLEUM & ENERGY INFRASTRUCTURES LTD.
 Sample delivered on: 02/01/2022
 Material to be tested: A sample marked: CRUDE OIL, MIX, TANK 130
 Reference: : Orders from 02/01/2021, TERMINAL HAIFA
 Notes: : The sample was selected by the customer.

RESULTS OF TEST
 (refer only to sample as submitted)

Test Method	Description of test method	Test Results Top	Test Results Bottom	Units
Water content	ASTM D 95	15	65	%(V/V)
Water & sediment	ASTM D 4007	80	88	%(V/V)
Ash Content	ASTM D482	3.08	16.64	%(m/m)

-----End of certificate-----

 Ariela Kfir
 Laboratory Manager

