



RFI – Request for Information Concerning the Construction of a Thermal Treatment Plant at the Environmental Services Company Ltd. Site at the Neot Hovav Eco-Industrial Park , Israel

1. The Environmental Services Company Ltd. (hereinafter **“The Company”**) is an Israeli government company under the complete ownership of the government of Israel and whose company plant is situated in the Neot Hovav Eco-Industrial Park (hereinafter: **“The Factory”**).
2. The company is interested in examining the operation of an incineration plant capable of treating a range of hazardous waste.
3. Within the framework of this proceeding the Company applies to parties with knowledge and experience in this field, including but not exclusively, entrepreneurs, engineering companies and producers in order to receive offers for supply, construction and operation of a plant including feed options suitable for the treatment requirements of the hazardous waste.
4. It is clarified that the replies to be offered must meet the Israeli clean air law 2008 and requirements of all the relevant European Directives, including the directive for waste incinerators 2000/76/EC. It is also required that the parties shall possess knowledge of Israeli laws and regulations or team up with local partner.
5. It is required that the new plant, among others, be capable of energy recovery.
6. Information required in as much detail as possible

Respondents interested in presenting information in their possession that may assist the company in the consolidation of tender documents and / or consolidation of a business relationship layout and the period of this relationship are requested to submit the following details to the Company:

- 6.1 Details concerning the party submitting the information, including details of previous experience and level of knowledge of this sector.
- 6.2 If the submitter has experience of participation in similar initiatives – we wish to receive details concerning the initiative, the financial scope, structure of the partnership (if one should exist between several concerns), the legal and financial outline and any other relevant detail. If the information should be confidential – we would be



happy to receive the general information only or alternatively obligate not to publicize information that will be determined by the submitter.

- 6.3 Offers for the structure of the offering concern - for example: a joint venture with a number of parties, a joint venture with a planner, a production company and a construction company, a combination of external companies etc.
- 6.4 Details of the suggested technology.
- 6.5 Assistance in defining the business outline – for example: payment at milestones operating the plant as DBOT, operating the plant as BOT, a joint venture with the Company etc.
- 6.6 The expected schedule for each of the processes separately: planning, production, import of the plant, construction, trial run and operation.
- 6.7 The suggested compensation structure – payment at milestones, without compensation as per BOT format etc. Please detail the advantages of the suggested payment method.
- 6.8 Key personnel in the process and the period of relationship with them – for example: project manager, planning / integration engineer, production engineer, construction manager, engineer accompanying the trial-run, engineer accompanying the operating process etc.
- 6.9 Mode of returning the plant to the Company at the end of contract and ownership period depending on the business structure.
- 6.10 Work methodology –please detail the suggested project management method.
- 6.11 Details of the limitations of the plant: Please detail the plot size required and limitations of the shape of the plot (minimum length and/or width) required for the construction of the plant including auxiliary services and access areas, the maximum quantity of waste for treatment, maximum contaminant values in the waste feed for incineration and other limitations.
- 6.12 The total amount of hazardous waste treated per year is about 40K tons. The waste comes in a solid / liquid / sludge mix. Chlorine, bromine and sulfur pollutant concentrations vary. With and without halogens and heavy metals. Elevation (pH) values vary (with the



option of treating pH values below 4 and above 12) as well as varied caloric values as detailed below :

Waste	Kcal/kg		Contaminates					
	Average	Max	Main Contaminates	Average	Max	Secondary contaminates	Average	Max
Industrial liquid waste - no halogens	500	5,000	S/Cl/Br	1%<	1%			
Industrial liquid waste low Kcal/kg	500	1,000	Cl	3%	10%	S	1%	8%
Industrial halogenated Liquid waste	1,000	3,000	Cl/S	3%	15%	Br	2%	6%
Solid halogenated waste	1,000	4,500	Cl	6%	15%	S	2%	4%
						Br	5%	9%
Solid waste	1,000	3,500	Cl/S	<1%	2%			
sludge	500	3,000	S	7%	7%	Br/Cl	1%	2%
Solid sludge waste from sewage treatment plants	500	1000	Heavy metals			S	<1%	
						Cl	1.50%	
Contaminated equipment and pharmaceutical waste								
Reactive with air/ moisture /water								

- 6.13 The waste is received in a variety of packages, for example: metal drums, plastic drums, jerry cans, IBCs, FIBCs, small packages, etc in addition to tankers and dump trucks.
- 6.14 An estimate of the workforce size required for the operation of the plant.
- 6.15 An estimate of the annual current operation cost of the plant (details of fixed and variable expenses)
- 6.16 Please provide details of the infrastructure services and output required for the construction and operation including water, electricity, gas etc.
- 6.17 Alternatives for feeding hazardous waste into the plant and feed quantity limitations.
- 6.18 Energy recovery capability and efficiency and under what parameters will the plant be classified as R.



- 6.19 Regulatory proceedings required for realization of the project.
- 6.20 Details concerning the interfaces required with other parties (the Environmental Services Company, the incinerator manufacturer, etc.)
- 6.21 Any other relevant information, including innovative developments that may come to fruition within the framework of this process.

7. **Methods for submission of information**

7.1 Any person or party interested in providing information as described in paragraph 5 above may do so by sending an email to the address michrazim@escil.co.il before the date February 7st 2020 at 12:00 (GMT+2).

7.2 The Company, at its' discretion, may invite the submitters in order to receive a detailed presentation of their offer, be it by presentation or via questions and answers. The Company may do so with a number of concerns simultaneously or separately. Also, the Company will consider holding meetings and interviews at its offices or at the premises of the submitter with the purpose of receiving a general impression.

8. **General:**

8.1 Let it be clarified and emphasized that this request is in no way an invitation to submit offers and in no way requires the preparation of a tender or competitive proceeding of any sort concerning the purchase and construction of a thermal plant.

The purpose of the request is to receive information that will assist the Company in reaching its decisions, including concerning the question of issuing a tender, and if so, under what terms, but the content of this request and/or of the replies received or not received by the Company, do not oblige the Company on these subjects or in general, if in the future should a tender or competitive proceeding be arranged, the Company reserves the right to add requirements, conditions and information, all in accordance with the Company's exclusive discretion.

8.2 Without detracting from the aforesaid in this document, the Company reserves the right to contact all or some of the concerns who submit replies to this request or to any other authority, concerning clarification questions or requests to receive information or data.



8.3 This request does not constitute a commitment and / or basis for a relationship of any kind or type with any of the concerns who submit replies to this request, and a reply does not constitute a commitment of any type and/or any kind or type of advantage to any of the concerns who submit replies, the Company may consider its advancement and act in accordance with its exclusive discretion.

8.4 The replies to be submitted do not obligate of the Company, and if a decision is made to proceed with a competitive proceeding or tender of any type, a reply will not constitute any advantage to the submitter.

8.5 Expenses involved in submitting the reply shall apply only to the concerns submitting the reply and under no circumstance will the submitter be eligible for a refund and/or compensation and/or indemnification for the expenses and/or damages brought about concerning the reply and/ or the preparation of the reply and its submission.