SUBJ: **Request for Information (RFI)**

Reference:
Long Term Service Agreement (LTSA) for IEC's Six (6) Siemens Combined Cycle Units Type F (Haifa 30&40, Hagit 19&20, Gezer 30&40)
include 6 Gas Turbines, 6 Generators and 5 Steam Turbines

Dear Sir/Madam,

The Israel Electric Corporation Ltd. ("IEC") is in process of preparing a list of potential suppliers which IEC may request to participate in a purchasing process to supply the above referenced LTSA services.

1. LTSA Scope

1.1. General

The LTSA subject matter of this RFI shall require the supplier to organize and perform planned maintenance activities for each Units gas turbine (GT), steam turbine (ST) and generator including all the planned outages listed in the tables below and in **Appendix 1**. All the units are combined cycle whose entire train was manufactured and supplied by Siemens, with exception of the ST and the ST Generator of Unit Hagit 10, which were not supplied by Siemens and will not be part of this inquiry or the subsequent LTSA.

1.2. Indicative LTSA Term

IEC intends to sign the LTSA at the end of 2027. The estimated contract duration is 9 years (1/2028 – 12/2036).

1.3. GT Planned Outages

Table 1.3

Unit	Minor Inspection	eHGPI	MAJOR
Haifa 30	4	2	
Haifa 40	4	2	
Hagit 19	4	1	1
Hagit 20	5	1	1#
Gezer 30	5	1	1#
Gezer 40	4	1	1#

200 k EOH

The planned outage scope for each standard type of GT outage is attached hereto as **Appendix 2**. **You are invited to provide your own standard scopes of work for the types of planned maintenance outages in table 1.3, for purpose of comparison and review**. The scope you provide may be general, does need to go into all the details of the scope provided in Appendix 2.

The planned outage scope for GT includes program parts as listed in **Appendix 3**, which includes their replacement intervals. **Please indicate whether you are able to supply all the program parts listed Appendix 3 for each planned GT outage, as relevant, either new or refurbished**: Yes __/No ___.

Please indicate whether you are able to provide solutions for all other non-program parts which may need to be replaced or repaired due to findings: Yes __/No ___ Partial _____. In your response, detail lead times, and which parts would be handled in your workshop, and which parts would be handled by third parties and which parts you would not handle.

The planned outage scope includes on-site specialist services. **Please provide a table of your estimate of the on-site specialist** that may be required for each standard GT planned maintenance, listing the type of specialist and the number of such specialist required per each standard or typical planned GT outage. **Please state any difference** in the

personnel required for IEC scope in Appendix 2, and any scope provided by you, if applicable.

The planned outage scope for the GT planned maintenance outages includes the provision of all tools for each maintenance. **Please indicate whether you are able to provide all the tools required for all the standard types of planned GT outages**: Yes___/No ____. If you are unable to supply all tools for all GT outages, **please provide a table of the tools you are not able to supply per type of outage**.

The planned outage scopes include the provision of all parts required for closing the GT units (consumables). **Please indicate whether you are able to supply all required consumables**: Yes ___/No___.

IEC is considering which additional parts it should have available for its GT planned outages, taking into consideration the technical/operation data provided below. Appendix 4 is IEC's initial table of such parts. **Please indicate whether you are able to supply all the parts listed in Appendix 4**: Yes ___/No___. Please also **provide the lead time** for each of the parts in Appendix 4. **Please also provide a table of the parts you would recommend i**n addition to Appendix 4, which table shall include an indication of your ability to provide each such recommended part, lead times, whether you manufacture them or purchase them from 3rd party, and method of payment, meaning would IEC be required to purchase such parts in advance of an outage, or whether would it be possible for you to hold such parts in storage, and to receive payment for such parts if required due to findings within the outage period, for an agreed upon premium.

In addition, IEC is considering the feasibility and benefits of purchasing a spare GT turbine–compressor shaft which would be installed in the first major outage, while the removed shaft would undergo full refurbishment at supplier workshop to be installed in the major outage of the next unit, etc. The objective of this roll in-roll out methodology is reduction in outage duration (increased availability). **Please indicate whether you are able to provide such a GT -compressor shaft roll in-roll out methodology for all the units, as well providing estimated costs and your experience in implementing similar methodologies.**

Please provide the estimated costs of GT planned maintenance outages:

- A standard major outage as per Appendix 2; a standard major outage as per your scope of work. Estimated price will include cost of parts including consumables, tools. services.
- A standard ehgpi outage as per Appendix 2; a standard ehgpi outage as per your scope of work. Estimated price will include cost of parts including consumables, tools, services.
- A standard minor outage as per Appendix 2; a standard minor outage as per your scope of work. Estimated price will include cost of parts including consumables, tools, services.
- Parts listed in Appendix 4, both when purchased in advance and if purchased from storage with premium payment.
- Additional recommended parts, both when purchased in advance and if purchased from storage with premium payment.
- Standard cost of tool rental
- Standard cost of on-site expert services

Please provide the estimated outage durations of:

- A standard major outage as per Appendix 2; a standard major outage as per your scope of work. Duration shall not include hot commissioning.
- A standard ehgpi outage as per Appendix 2; a standard ehgpi outage as per your scope of work. Duration shall not include hot commissioning.
- A standard minor outage as per Appendix 2; a standard minor outage as per your scope of work. Duration shall not include hot commissioning.

1.4 ST Planned Outages

Table 1.4

Unit	Medium Outage	MAJOR Outage
Haifa 30	2	
Haifa 40	2	
Hagit 20	1	1
Gezer 30	1	1
Gezer 40	1	1

The planned outage scope for each standard type of ST outage is attached hereto as Appendix 5. **Please provide your standard scopes of work for these types of planned maintenance outages, for purpose of comparison and review**. The scope may be general, does need to go into all the details of the scope provided in Appendix 5.

The planned outage scope includes on-site specialist services. **Please provide a table of your estimate of the on-site specialist** that may be required for each standard ST planned maintenance, listing the type of specialist and the number of such specialist required per each standard or typical planned ST outage. **Please state any difference** in the personnel required for IEC scope in Appendix 5, and any scope provided by you, if applicable.

Please indicate whether you are able to provide solutions for all ST parts which may need to be replaced or repaired due to findings, such as journal thrust bearings, steam seals, valve components. Gaskets, springs, fittings, actuator systems, bearing and lubrication system, : Yes __/No ___ Partial _____. In your response, detail lead times, and which parts would be handled in your workshop, and which parts would be handled by third parties, and which parts you are unable to provide.

The planned outage scope for the ST planned maintenance outages includes the provision of all tools for each maintenance. **Please indicate whether you are able to provide all tools required for all**

the standard types of planned ST outages: Yes___/No _____. If you are unable to supply all tools for all ST outages, **please provide a table of the tools you are not able to supply per type of outage**.

The planned outage scopes include the provision of all parts required for closing the ST units (consumables). **Please indicate whether you are able to supply all required consumables**: Yes ___/No___.

IEC is considering which additional parts it should have available for its ST planned outages, taking into consideration the technical/operation data provided below. **Please provide a table of the parts you would recommend**, which table shall include an indication of your ability to provide each such recommended part, lead times, whether you manufacture them or purchase them from 3rd party, and method of payment, meaning would IEC be required to purchase such parts in advance, or whether would it be possible to receive and pay for such parts if required due to findings within the outage period, for an agreed upon premium.

Please provide the estimated costs of ST planned maintenance outages:

- A standard major outage as per Appendix 5; a standard major outage as per your scope of work. Estimated price will include cost of parts including consumables, tools. services.
- A standard medium outage as per Appendix 5; a standard medium outage as per your scope of work. Estimated price will include cost of parts including consumables, tools, services.
- Parts both when purchased in advance and if purchased from storage with premium payment.
- Standard cost of tool rental
- Standard cost of on-site expert services

Please provide the estimated outage durations of:

- A standard major outage as per Appendix 5; a standard major outage as per your scope of work. Duration shall not include hot commissioning.
- A standard medium outage as per Appendix 5; a standard medium outage as per your scope of work. Duration shall not include hot commissioning.

1.5 Generator Planned Outages

Table 1.5

Unit	Medium Inspection	MAJOR Inspection
Haifa 30	2	
Haifa 40	2	
Hagit 10	2	
Hagit 20	1	1
Gezer 30	1	1
Gezer 40	**1**	1

The planned outage scope for each standard type of generator inspection for the hydrogen cooled single shaft units (all the F type units with the exception of Hagit 10 air cooled unit) is attached hereto as Appendix 6. **Please provide your standard scopes of work for these standard planned maintenance outages, for purpose of comparison and review**. The scope may be general, does need to go into all the details of the scope provided in Appendix 6.

The planned outage scope for the generator of Hagit 10 (air cooled unit) is attached hereto as Appendix 6A. **Please provide your standard scopes of work for these standard planned maintenance outages, for purpose of comparison and review**. The scope may be general, does need to go into all the details of the scope provided in Appendix 6A.

Please indicate whether you are able to provide solutions for all generator parts which may need to be replaced or repaired due to findings and/or for works such as winding resin treatment, end winding tangential blocking modification, end winding low tuning process, top bars area repair, air gap seal replace loose shims , water hoses replacement, bushing replacement: Yes __/No

___Partially___. _In your response, detail lead times, and which works would be handled on site, which in your workshop, and which would be handled by third parties, as well as works you would not perform.

The planned inspection scope includes on-site specialist services. **Please provide a table of your estimate of the on-site specialist** that may be required for each standard generator planned maintenance, listing the type of specialist and the number of such specialist required per each standard or typical planned generator outage. **Please state any difference in the personnel** required for IEC scope in Appendix 6, and any scope provided by you, if applicable.

The planned inspection scope for the generator planned maintenance outages includes the provision of all tools for each maintenance. **Please indicate whether you are able to provide all tools required for all the standard types of planned generator inspections**: Yes___/No ____. If you are unable to supply all tools for all generator inspections, **please provide a table of the tools you are not able to supply** per type of outage.

The planned outage scopes include the provision of all parts required for closing the generators (consumables). **Please indicate whether you are able to supply all required consumables**: Yes ___/No___.

IEC is considering which additional parts it should have available for its generator planned inspections, taking into consideration the technical/operation data provided below. **Please provide a table of the parts you would recommend**, which table shall include an indication of your ability to provide each such recommended part, lead times, whether you manufacture them or purchase them from 3rd party, and method of payment, meaning would IEC be required to purchase such parts in advance, or whether would it be possible to receive and pay for such parts if required due to findings within the outage period, for an agreed upon premium.

Please provide the estimated costs of generator planned maintenance inspections:

- A standard major inspection as per Appendix 6; a standard major inspection as per your scope of work. Estimated price will include cost pf parts including consumables, tools. services.

- A standard medium inspection as per Appendix 6; a standard medium inspection as per your scope of work. Estimated price will include cost pf parts including consumables, tools, services.
- A standard major inspection as per Appendix 6A; a standard major inspection as per your scope of work. Estimated price will include cost pf parts including consumables, tools. services.
- A standard medium inspection as per Appendix 6A; a standard medium inspection as per your scope of work. Estimated price will include cost pf parts including consumables, tools, services.
- Parts both when purchased in advance and if purchased from storage with premium payment.
- Standard cost of tool rental
- Standard cost of on-site expert services

Please provide the estimated inspection durations of:

- A standard major inspection as per Appendix 6; a standard major inspection as per your scope of work. Duration shall not include hot commissioning.
- A standard medium inspection as per Appendix 6; a standard medium inspection as per your scope of work. Duration shall not include hot commissioning.
- A standard major inspection for Hagit Unit 10. Duration shall not include hot commissioning.
- A standard medium inspection for Hagit Unit 10. Duration shall not include hot commissioning.

1.6 Control System Maintenance

Please describe your ability to regularly maintain the control system of each of the units, particularly software upgrades as may be required from time to time, as well as recommended hardware upgrages. Specifically describe your previous experience in the maintenance of the control system installed in the units.

1.7 Recommendations Regarding Units reaching 200K EOH

The GT major outages for Units Hagit 20 and Gezer 30&40 in table 1.3 indicate that these units will have reached 200k EOH.

IEC wants to continue operating these units for an addition 15 years, without material limitations or degradations in availability or efficiency.
Please describe how you would handle the 200K major outages, your recommendations regarding further parts that might require replacement due to having reached 200k EOH, as well as your recommendations for upgrades to the units which would achieve further 15 years of operation as aforesaid.

Please provide a list of recommended additional parts for the entire train (GT, ST , generator) for the 200k EOH major outages, if any, including budget estimates.

Please provide recommended upgrages for the entire train (GT, ST, generator) of these units for, which in your opinion are required to allow further 15-year operation without material changes to availability and efficiency. Description of each upgrade should include budgetary cost, outage time required and any other information deemed pertinent.

1.8 General Instructions for Planned Maintenance Outages

- IEC expects the supplier of the LTSA services to supply the planning, organization and performance of the a.m. planned maintenance outages according to a defined outage scope.

- **Please describe your capabilities to manufacture and/or refurbish the parts for GT, ST and generators. The description should include the workshops where such parts are manufactured/refurbished, both yours and third parties, if relevant**.

- **Please describe your abilities to provide solutions to parts which require replacement and are determined to be unavailable for purchase (obsolete).**

- **IEC provides skilled craft labor for most planned outages. From time-to-time IEC may require the provision of skilled craft**

labor from the LTSA service provider instead of the IEC workers, subject to sufficient advance notice. The craft labor supplied as aforedescribed shall be considered "extra work" and paid in accordance with a contractually agreed upon price.In this RFI IEC will not request a price estimation for this service, only a general confirmation that you would be willing to supply such services according to contract terms as shall be agreed upon: Yes ___ No ____.

- The Supplier of the LTSA services shall supply back-office engineering support during outages and in connection with IEC operation of the unit in between outages, as may be requested by IEC from time to time. In this RFI IEC will not request a price estimation for this service, **only a general confirmation that you would be willing to supply such back-office engineering services according to contract terms as shall be agreed upon**: Yes ___ No ____.

- The supplier of the LTSA services may be required to perform on site works during the planned maintenance outages as may be required under the planning or the circumstances of the planned maintenance outage: machining, welding, coating, heat treatment, balancing, special metallurgical tests, air flow tests etc. Supplier should also be able to send parts to local workshops for repairs etc. as may be required under the planning or the circumstances of the planned maintenance outage. These works would be priced in the price of the planned maintenance outage or as extra work if due to findings. **Please provide your confirmation of on-site works and local repairs**: Yes___ No____.

- IEC expects its LTSA services provider to be updated regarding technical bulletins issued by OEM and to have the ability to offer implementation of the OEM recommendations to IEC (priced additionally). **Please confirm this would be included in the LTSA services provided by you: Yes___ No___ Partially (please detail).**

- **Please detail whether you intend to provide any of the LTSA related services through third party contractors and provide the names of any such third party service providers you regularly**

work with and which will with high probability be engaged in the provision of the LTSA services. Please note that IEC will not agree to the transfer of responsibility to any third party service provider in connection with the provision of any of the LTSA services.

- IEC considers it of value to work with a resident engineer appointed by the supplier of the LTSA as point person between IEC and the Supplier. The position of resident engineer would be mannd throughout the contract term, with the resident engineer residing in Israel – see **Appendix 8** overall description of resident engineer service . **Please indicate whether you would be willing to provide this service**: Yes___ No___.

- **Please indicate whether you will require the installation of any kind of remote monitoring system of the units**, and if so, please describe the system to be installed and its purpose and the use by you of the data obtained from the system as well as the reports and engineering services that would accompany the use of a remote monitoring system. Please note that cyber security requirements applicable to IEC will not permit the supplier of the LTSA services to be directly connected to the operational units. .

- **If you are not the OEM and are operating under a license granted by an OEM, then name the owner and the license or other means by which you are entitled to use the technology and any limitations on your use thereof.**

2. Unplanned Outages and Findings

The LTSA service supplier is expected to be able and willing to support IEC by handling unplanned maintenance in connection with the GT, ST and/or the generators either as findings during a planned maintenance outage or during unscheduled outages occurring during operation of the unit by IEC including the supply of:

Engineering support
TAs
Parts supply

Unplanned maintenance is handled as extra work.

Please confirm your ability and willingness to handle all unplanned maintenance including finding as afore described: Yes ___ No____Partially_____ (describe in detail any type of unplanned outage or finding that you will not handle under the LTSA or any other limitation on the handling of unplanned outages or findings).

3. Information Regarding the Units

3.1 Technical Data – Table 3

08/02/2026

Technical Data							
Unit		**Hagit 10**	**Hagit 20**	**Gezer 30**	**Gezer 40**	**Haifa 30**	**Haifa 40**
Year of start of Operation		**2010**	**2007**	**2005**	**2006**	**2011**	**2010**
Unit Configuration		**Combined Cycle Dual Shaft**	**Combined Cycle - Single Shaft**				
Gas Turbine	**Manufacturer**	**Siemens**	**Siemens**				
	Frame (Service Package)	**SGT5-4000F (6)**	**SGT5-4000F (2)**				
Generator	**Manufacturer**	**Siemens**	**Siemens**				
	Cooling	**Air-Cooled**	**Hydrogen-Cooled**				
	Model	**SGEN-1000A 118/55**	**SGEN-3000W (THDF108/53)**				
	Excitation System	**SEMIPOL D3**	**SEMIPOL D4**				

Steam Turbine	Manufacturer	Skoda Not in the Scope	Siemens
	Model		SST5-3000
Control System		TXP/SPPA T3000	
Fuel Type		Dual Fuel (NG + LF)	
Outage Concept		33 kEOH for eHGPI. 100 kEOH for Major 11 kEOH for Minor	
Operational Regime		Continuous, Base-Load, 7,000 - 8,000 OH per Year	

3.2 Historical Outages Data

See data in **Appendix 7**.

4. Notable Commercial Terms

- Applicable law would be Israeli, jurisdiction granted exclusively to Israeli courts and/arbitration will be held in Israel (in English).
- Contractor will be liable for buy back obligations towards the state of Israel, as may be applicable.
- IEC will be issuing a contract for LTSA services with the request for proposal. Official and sole contract language is English.
- The GT program parts will be under a "term warranty", meaning that the warranty for any failure (excluding failure caused by IEC or by third parties not linked to the LTSA services supplier) including wear and tear is applicable for the entire term of the contract.
- All other parts delivered under the LTSA will be under standard IEC warranty provisions for a period of the earlier of EOH from installation, number of months from installation, number of months from delivery to IEC.

- The entire cost of handling a warranty claim accepted by the supplier of the LTSA services shall be borne by said supplier, including in and out costs, parts, services, transportation.

- Burden of proof of applicability of warranty claims lies with the supplier of the LTSA services.

- Delivery terms are DAP to the relevant site, meaning IEC will be importer of record and will handle release from customs, and supplier will organize deliveries to IEC customs and after customs release transportation to relevant site` supplier will provide IEC with all relevant documentation required for the release from customs.

- All non-Israeli service personnel working in Israel require a valid work permit, the supplier of the LTSA services is responsible for obtaining all work permits in due time for outages.

- The IEC contract includes LDs on outage duration per each planned maintenance outage, from tag out to tag in, including cold commissioning, excluding hot commissioning. LDs will be calculated on a dailly basis. **Please provide IEC with indicative outage durations**:
  - ✓ for each planned maintenance outage listed in Article 1 above.
  - ✓ for planned maintenance outage that include major GT, ST and generator outages.
  - ✓ for planned maintenance outages that include ehgpi and medium GT, ST, and generator outages.

  Please indicate whether any of the above terms are not acceptable, wholly or partially, and provide an explanation as well as an alternate provision. Please note that IEC is not obligated to amend its contract or consider any alternate provision.

5. Previous Experience

Participant will provide IEC with a reference list of the planned maintenance outages it has conducted in the past ten

(10) years on Combined Cycle Units Type F manufactured by Siemens, divided into a list of GT outages, ST outages and generator outages. Each list will include at least the following information per outage:
Company name and facility location (country/region).
Short description of the services provided by participant in the outage and whether same were supplied directly by participant or by a sub-contractor
Contact person name, telephone number and e-mail.

Participant shall provide a reference list of long-term service contracts signed during the previous ten (10) years, in which it shall include at least the following information, per LTSA:
Company name and facility location (country/region).
Number of units under contracts.
Short description of the services provided by participant in the contract, and whether same were supplied directly by participant or by a sub-contractor.
(Brief) Description of material or major unplanned maintenance and findings that occurred during a contract term, and how you supported the unplanned outage or finding.
Contact person name, telephone number and e-mail.

Also see Article 1.6 for experience in control system maintenance.

6. Indicative Availability & Other Performance Guarantees

IEC will issue its contract with an availability guarantee provision whose parameters it is currently determining.

IEC availability obligation towards the Israeli Electricity Authority per each unit per annum: 83.3%.

LTSA annual availability guarantee: commitment that the combined cycle unit (GT, ST, generator covered under the LTSA) will be available for a minimum of 83.3% of the year at full load.

Excluded: loss of availability due to FM, grid failures, non-availability due to acts or omissions of IEC/system operator, loss of full or partial availability due to equipment not covered under the LTSA, planned outages performed within the contractual commitments of LTSA service provider.
Included: LTSA service provider will be responsible for loss of availability due to LTSA covered equipment failure, LTSA related service defects.
Shortfall LDs: for every 0.1% that falls below the contractual guarantee, contract will pay % of annual contract fee.

Liability Cap – 100% of annual contract fee.
IEC will consider how to integrate the LDs on planned maintenance outage durations in the overall annual liability commitment.
IEC is also considering integrating reliability and forced outage response commitments into the contract, e.g. LDs on increase in annual FOR (forced outage rate) due to the LTSA services, as well as a commitment for mobilization time of technical personel to site in the event of forced outages.

Please provide IEC with your indicative proposal for an annual availability guarantee, as well as any other operation-related guarantee you would consider committing to under the LTSA.
The indicative proposal should describe the commitment, LDs, limitations and conditions thereto, as well as any other information which you deem to be relevant.

7. Corporate Information

Please provide the following documents/information:

- Company's history with special emphasis upon corporate reorganization in the last ten years, licensee and licensor agreements.
- ISO 9000 certification approval for design, manufacturing and services including the certification date and validity.
- Annual audited report (or the equivalent thereof if not available) for the past three years, products catalogues, company description and any other information relevant to the company, its financial, commercial or professional status/situation.
- Company's place within the corporate structure (if applicable), with indications regarding parent companies, subsidiaries and/or affiliates.
- Affidavit by a legal counsel or accountant that you are a company in good standing with no current actions or claims regarding bankrupctcy, insolvency, liquidation, voluntary or otherwise placing under administration, receivership, trusteeship or judicial management.
- A local Israeli agent name (if applicable), address, phone, fax, E-mail, availability of technical support in Israel.

8. Instructions to the Participants

A participant who wishes to be considered for further evaluation towards inclusion in the contemplated purchasing process shall provide all the details and information requested in this RFI and other prequalification document which may be sent to you.

The sole propose of this RFI and prequalification process is to provide IEC with certain information. Neither participation in this RFI and prequalification process nor the provision of any information to IEC hereunder or otherwise shall grant participant any right, legal or otherwise, regarding participation in any current and/or future purchasing process conducted by IEC.

Based on participant's responses to this questionnaire, the information stated therein, the opinions received from references listed herein and all other relevant information gathered by IEC, IEC will determine whether to include participant in its list of approved suppliers for this type of contract.

Subject to disclosure requirements under Israeli law, IEC shall keep all information provided in this RFI confidential and shall use it only for its own purpose, in connection with this RFI and prequalification process and/or any other purchasing process undertaken by IEC.

IEC shall not be required, whether pursuant to this document or otherwise, to enter upon any purchase process of any type or kind.
Please note that IEC reserves the right to request further information from parties who choose to participate in this process.

Provision of references to IEC shall be deemed your agreement for IEC to apply to the referenced power station or other named facility for verification, review and receipt of opinions regarding your company.

9. Submission

If your company is interested in being considered for possible further participation in this purchasing process, you are requested to submit the above required information by no later than May 20th, 2026

Please send your response to the following address:

Mr. Shmuel Leibowitz

Email: shmulik.leibovitch@iec.co.il

Responses to this RFI received after the above mentioned date

may result in the information supplied being disregarded.

RFI Issued by:
Alon Shahar
Generation Division, Deputy Manager (Mechanical Engineering)
Generation Division