

Request for Expression of Interest

Egyptian Electricity Holding Company



April 2024

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List of Abbreviations

EEHC	Egyptian Electricity Holding Company
Applicant	An individual entity, a joint venture, consortium, or other form of partnership, responding to this REOI
Bidder	Short-listed Applicant
COD	Commercial Operation Date
Proposal	Submission of proposals for EEHC's Project
Submission	accordance with relevant laws in Egypt and according to EEHC documents and regulations
EOI	Expression of Interest
MFS	Minimum Functional Specification
MWp	Megawatt peak
O&M	Operations and Maintenance
PV	Photovoltaic
REOI	Request for Submission of Expression of Interest

Disclaimer

The information contained in this Request for Submission of Expression of Interest (“REOI”) has been compiled by EEHC to invite companies or formal consortium/s of companies, with the necessary expertise and capacity, to Design, build and operate an 8.2 MWp Photovoltaic Project plus 2 MWac / 4 MWh Battery Energy Storage System.

Eligible companies or consortia will have to prove their experience in the construction of PV plants as outlined in the eligibility criteria below. Only one company or consortium will be selected to implement the project.

This REOI does not constitute and will not form part of any offer or invitation to submit a proposal in relation to such a Project.

This REOI only determines the requirements for the preparation of an Expression of Interest (“EOI”) and therefore contains little information that interested parties and their advisors may desire or require in reaching a decision as to any potential investment proposal. Interested parties should form their own views as to what information is relevant to such decisions and make their own independent investigations in relation to any additional information.

EEHC reserves the right, in its absolute discretion, at any round, to terminate further participation in the REOI or submission process by any party, to change the structure and timing of the pre-qualification and subsequent proposal process, to refuse entry of a particular party to the next round of the process, to amend the information contained in this REOI or to terminate the EOI round. EEHC will not have any responsibility or liability for any costs, expenses or other liabilities incurred by any participants in the EOI and subsequent proposal process.

ARAB REPUBLIC OF EGYPT

SIWA RENEWABLE ENERGY AND ENERGY ACCESS MICROGRID PROJECT

DESIGN AND CONSTRUCTION OF 8.2 MWp OF SOLAR Plus 2 MWac / 4 MWh BESS IN SIWA ISOLATED GRID

Request for Expressions of Interest

1. Introduction

In line with **SDG 2030** and **ISES 2035** strategic plans, the country wishes to enhance renewable energy penetration, energy security and energy efficiency through the implementation of microgrids in rural areas. The Egyptian Electricity Holding Company (**EEHC**) aims to enhance the microgrid renewable energy (RE) capacity in Siwa with the most optimal renewable energy mix.

Siwa Oasis is a breathtaking desert oasis located in the Western Desert of Egypt, near the border with Libya. It's renowned for its stunning natural beauty, unique culture, and historical significance. It is situated approximately 50 kilometers east of the Libyan border and about 560 kilometers from Cairo, Egypt's capital. It is nestled between the Qattara Depression and the Great Sand Sea, surrounded by vast expanses of desert. Siwa belongs to Beheria Electricity Distribution Company (BEDC). Siwa is already operating as a microgrid at the moment with around 13,600 customers.

EEHC, a leading entity in the energy sector of Egypt, is soliciting expressions of interest from reputable solar development firms for constructing and complementing the existing PV system in Siwa Oasis. **EEHC** is at the forefront of Egypt's energy landscape, dedicated to ensuring reliable electricity supply, promoting sustainability, and fostering innovation to meet the nation's evolving energy needs.

EEHC wishes to invite qualified solar developers with in-depth experience in designing, building, operating, and maintaining PV plants, to apply for the participation in the Siwa's PV microgrid enhancing project by constructing and complementing the existing PV system built on 40 Acres which its original capacity is 10 MWp but its current capacity is around 5.8 MWp. The project proposal submissions are for the design, engineering, procurement, construction, and development of the existing 5.8 MWp PV system in Siwa.

To qualify as a solar developer for a Proposal Submission, the Applicants are requested to submit an Expression of Interest ("EOI") in response to this Request for Submission of an Expression of Interest ("REOI") within the timeframe given in this REOI. The REOI focuses on Applicants' credentials, experience records (particularly experience in solar developing scheme).

The successful applicants shall furnish to **EEHC** a Bid Bond on the proposal submission, the Bid Bond shall be in the form and conditions set out in the Instruction to Bidders in the tender document.

Within a period determined by **EEHC** and outlined within the Instruction to Bidders, **EEHC** will select the best proposal subject to any financial affordability or technical constraints which may exist. This selection will be based

on evaluation criteria developed by **EEHC**. Subject to Bidders being able to satisfy the Minimum Functional Specification (“MFS”), bidders will be free to design and select equipment as they see fit.

Submitted bids will be evaluated based on transparent criteria and ranked according to price saving to **EEHC** among which **EEHC** will select a single bidder for the Project. After a contract has been signed and financial close has been reached, the selected bidder will commence with the construction. Subsequent to the Commercial Operation Date (“COD”) of the PV power plant, the developer’s contract minimum term is 24 months.

2. Project Technical Details

2.1 Project’s site

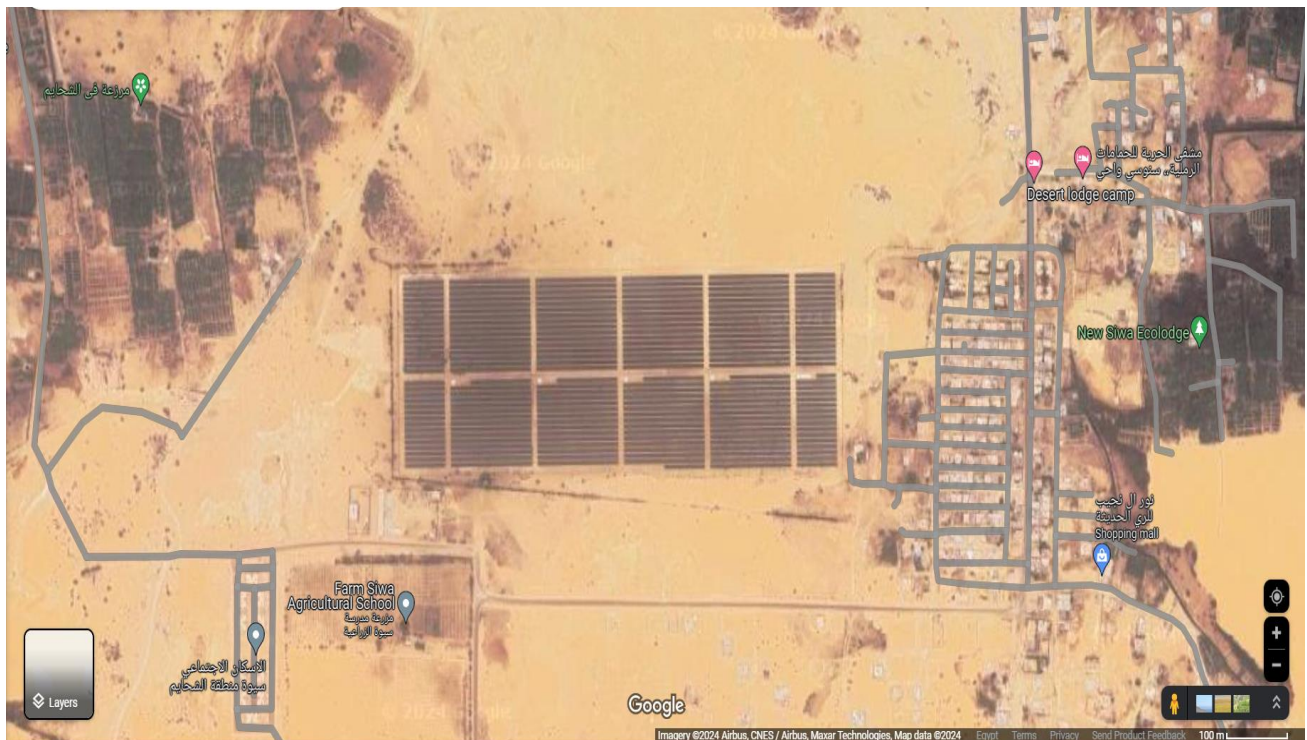


Figure 1: Siwa’s existing PV system project site.

The project’s site is as highlighted in **Figure 1**. The PV plant’s accurate location according to the coordinates is at **(29.17775601170233, 25.51398743135986)**. The site’s area is about 40 Acres. The area which can be used by the selected firm will be approximately 16 Acres.

2.2 The project

EEHC intends to enhance the microgrid in Siwa by constructing and complementing the existing PV system with a capacity of 8.2 MWp PV plus 2 MWac / 4 MWh BESS in Siwa in order to supply electricity for remote areas in an efficient and economical way. The existing PV system is originally a 10 MWp but the actual capacity right now is 5.8 MWp. The PV system is built on 40 Acres so approximately the available area will be around 16 Acres for the solar developer to construct on and complement the existing PV system. The technical features are as follows.

Parameters	Features
Site Location	Siwa Oasis
Site Area	About 40 Acres
Technology	PV Solar + BESS
Capacity	8.2 MWp PV + 2 MWac / 4 MWh BESS
Major evaluation criteria	CAPEX, OPEX, Implementation Timeline, among others.
Contract Type	EPC and O&M
Bidder	Individual or Consortium
Project Agreement/s	To be executed between EEHC and the selected bidder

2.2.1 Project's Purpose

This aims to increase the RES capacities at Siwa in order to:

- Decrease costs by avoiding additional transmission network expansion to rural areas.
- Save up on fuel (Diesel)
- Reduce greenhouse gases (GHG) emissions.

2.2.2 Scope of Work

The scope of work for this project includes, but is not limited to:

- Design, engineering, construction, operating and maintenance of a PV system tailored to the specific needs of Siwa Oasis to complement the existing PV system.
- Procurement of necessary equipment, materials, and components for the PV system implementation.
- Integration of renewable energy sources, such as solar photovoltaic systems, into the microgrid.
- Installation of energy storage solutions to ensure stability and reliability of the microgrid operation.
- Commissioning, testing, and optimization of the PV system.
- Training of local technicians and personnel for maintenance and operation of the PV system.

3. Application Requirements

3.1 General Requirements

EEHC intends to enhance the microgrid in Siwa by complementing the existing PV system with a capacity of 8.2 MWp PV plus 2 MWac / 4 MWh BESS. This project is intended to only cover the design, implementation, and maintenance of the PV system.

3.2 Participation

3.2.1 Participants

Applicants may be single business entities, joint-ventures, consortia, partnerships, or other combinations of business entities composed of members of any eligible country of the world. The Applicant must have sufficient experience in PV systems EPC projects involving technology and capacity similar to that being proposed to be built under this EOI. Each Applicant, or if the Applicant consists of more than one business entity, each member of such Applicant, shall be a business entity duly organized and existing and registered under the laws of the country.

3.2.2 Conflict of Interest

An Applicant shall not have a conflict of interest. All Applicants found to have a conflict of interest shall be disqualified. Applicants may be considered to have a conflict of interest with one or more parties in this EOI and subsequent proposal process, or if they have controlling members in common; or participate in more than one EOI of Proposal Submissions. Participation by an Applicant in more than one EOI will result in the disqualification of all EOIs in which the party is involved.

3.2.3 Reasons for Exclusion from Pre-Qualification

An Applicant will be excluded from pre-qualification if:

- It is bankrupt or being wound up, or are having their affairs administered by the courts, or have entered into an arrangement with creditors, or have suspended business activities, or are the subject of proceedings concerning those matters, or are in any analogous situation arising from a similar procedure provided for in national legislation or regulations.
- It has been convicted of an offense concerning their professional conduct by a judgment (against which no appeal is possible).
- It has been guilty of grave professional misconduct proven by any means which EEHC can justify.
- It has been the subject of a judgment of fraud, corruption, involvement in a criminal organization or any other illegal activity.

3.2.4 Joint Ventures or Consortia

If the Applicant is a consortium or joint venture it shall designate one of the member entities as Lead developer. The Lead developer must demonstrate EPC/O&M experience; EPC/O&M experience of any other member is seen as an advantage. Technical experience may be demonstrated by any consortium member. No change whatsoever in the identity or composition of the Applicant or subsequent the Developer is permitted throughout the complete pre-qualification and proposal process unless EEHC has given its prior approval in writing.

In such case, the EOI is to be updated in accordance with this REOI and will be evaluated in accordance with the requirements of the REOI subject to **EEHC**'s sole discretion.

4. Requirements for Submitting EOIs

Interested firms are invited to submit their expressions of interest, including the following information:

- Company profile highlighting relevant experience in renewable energy projects, particularly in PV systems development and implementation.
- Description of key personnel and their qualifications, expertise, and experience in similar projects.
- Overview of proposed approach and methodology for the Siwa Oasis enhance of the microgrid project.
- Details of past projects demonstrating successful execution within similar contexts.
- Financial capacity and resources available for the execution of the project.
- Any additional information that demonstrates the firm's capability to deliver the project effectively and efficiently.

5. Procurement Process

EEHC is issuing this REOI to seek prospective bidders wishing to participate in a competitive Procurement Process leading to a solar developer proposal. The procurement process will be formed of several steps, with this EOI forming step one. The indicative procurement timetable for the Project is outlined below:

Process	Date
Issue of REOI	21-04-2024
EOI clarifications deadline	20-05-2024
EOI submission closing date	3-06-2024
Request for Proposal (RFP) issued	26-06-2024
Tender Period (and scheduled site visits)	03-07-2024
Offers submittal closing date	21-08-2024
Shortlisting Preferred Bidder	11-09-2024
Award Date and The Contract Execution	01-12-2024

Also be noted that

- **EEHC** may use the information received from EOI submissions to select prospective qualified bidders, whom will only receive the RFP.
- Alternatively **EEHC** may, at its discretion include an additional prequalification round, prior to or during the issue of the final RFP.
- **EEHC** may, at its discretion, extend the date of the EOI submission deadline.

6. Preparation and Submission of the EOIs

6.1 Collection of the REOI and Registration

Potential Applicants are required to register at the following email address in response to a received email from **EEHC**; mailing their contact data to: [Email: shereen.fouad@eehc.gov.eg& CC: ahmed.harhash@eehc.gov.eg]

The contact data shall include:

- Applicant Name and Contact Person Address.
- Telephone number Fax number.
- E-mail address.

The Applicant is required to confirm receipt of any E-mail from **EEHC** within 48 hours.

6.2 Submission of the EOI

Respondents to the EOI are required to provide a covering letter that indicates the proposed company, entities, or consortium submitting the EOI, and the leading party.

The submission must include all info included documented in Section Error! Reference source not found., duly completed with all details requested.

EEHC may use the information received from EOI submissions to select prospective qualified bidders, who will only receive the RFP. Alternatively, **EEHC** may, at its discretion, include an additional prequalification round, prior to or during the issue of the final RFP. However, bidders must respond to this EOI in order to be eligible to participate in the submission of RFP.

The submission of an EOI must be in pdf electronic format only, to the following address: [Email: shereen.fouad@eehc.gov.eg & CC: ahmed.harhash@eehc.gov.eg]

EEHC will endeavor to provide a confirmation of receipt. It is the responsibility of the applicant to contact **EEHC** if no receipt has been provided within 5 days of the EOI submission closing date.

6.3 Clarifications before the submission date for EOIs

Applicants are requested to carefully read and review this entire REOI. Should an Applicant require clarification on any aspect, the Applicant may submit clarification questions only by email to the contact address [Email: shereen.fouad@eehc.gov.eg & CC: ahmed.harhash@eehc.gov.eg] up to 7 calendar days before the Latest Submission Date for EOIs.

EEHC will communicate any clarification simultaneously by e-mail to all registered Applicants at the latest 3 calendar days before the Latest Submission Date. The Applicant is required to confirm receipt of such clarifications immediately. No further clarifications will be given after the latest clarification date.

7. General Instructions

7.1 Language of EOI

The language of communication is the English or Arabic language. Supporting documents and printed literature furnished by the Applicant may be in a language other than English, provided they are accompanied by an authorized translation into the English language. For the purposes of interpretation of the EOIs, the English language will prevail.

7.2 Laws and Regulations

The EOI procedure is carried out in accordance with the Egyptian laws and regulations.

7.3 Clarifications during Evaluation of EOIs

EEHC may request additional information, clarifications, and verifications with respect to any item contained in the EOI documentation of the Applicants. The Applicants shall confirm receipt of such request immediately and respond in writing to any such request within five (5) business days of receipt of any such request.

7.4 Disqualification

EEHC may disqualify an Applicant's EOI for reasons listed in the following:

- Receipt of the EOI after Submission Date.
- Failure by the Applicant to submit a complete EOI or failure to submit the EOI in the prescribed format in accordance with the instructions of this REOI.
- Failure upon reasonable request by **EEHC** to disclose additional information relating to the Applicant's experience, such information being necessary in **EEHC**'s judgment to properly evaluate the Applicant's qualifications.

7.5 Communications

Any communication concerning this pre-qualification procedure shall be made by E-Mail, No Applicant will have the right to make an oral communication.

In case any Applicant should change its contact details, the Applicant is required to immediately notify **EEHC** of such change. **EEHC** does not take any responsibility if any communication or clarification that does not reach the Applicant due to a change of contact data.

7.6 Confidentiality

Applicants, **EEHC** and its Advisors will treat all details of the issued documents, the proposal process and its own EOI as private and confidential and shall not publish nor disclose the same or any particulars thereof to any other party.

7.7 Release

By submitting its EOI, each Applicant releases **EEHC** and its Advisors, irrevocably, completely, and unconditionally, from all liability for claims, losses, damages, costs, expenses, or any other liabilities in any way related to or arising from the review of, and associated decision-making process regarding, its eligibility and qualifications for the Project.

7.8 Suspension/Cancellation

Applicants are hereby notified that **EEHC** retains the right to suspend or cancel the EOI procedure (or, subsequently, the Proposal Submission procedure) at any time at its sole discretion without any liability to Applicants and without any obligation to give reasons therefor. In the event of suspension or cancellation of the EOI procedure Applicants will be notified by **EEHC** accordingly.

7.9 Miscellaneous

Neither issuance of this REOI nor issuance of any other document or request by or on behalf of **EEHC** at any time will obligate **EEHC**, or any of their advisers or consultants to enter into any agreement or arrangement or impose any liability on any of them other than pursuant to the Project Agreements when executed.

8. Information Required to be Documented in the EOI

- **Letter of Application:** Letterhead of the Applicant, or managing member of a joint venture or consortium, including full postal address, telephone no. and fax no.
- **Applicant Information:** All information of the individual firms and each Member of a Consortium/joint venture applying.
- **Applicant Summary:** The names of all members of a joint venture or consortium and nominated contractors. In case of joint venture or consortium the form shall be accompanied by a draft joint venture or consortium agreement of the members determining the lead developer, share and roles of each member, etc. and being signed by the member representatives, authorized by a duly legalized Power of Attorney.
- **Organizational Information:** A description and / or organizational chart of the organizational and corporate and ownership structure(s) of the Applicant showing the parent companies, subsidiaries, as well as positions of directors, key personnel, and their functions and in case of a joint venture or consortium each member.
- **Experience Overview:** Projects for PV designed and constructed and /or operated within the last five (5) years.
- **Details of projects of similar nature and complexity:** The details of the projects that were documented in the experience overview.
- **Financial Situation:** The financial situation of the applicant.