

Lebanon Electricity Regulatory Authority

Call for Expression of Interest (EOI) for the Identification of Potential Generation Projects and Private Sector Developers

22 July 2026

Beirut, Lebanon



1. Introduction

Lebanon continues to rely heavily on imported fuels for electricity generation and final energy consumption. The electricity sector remains central to economic recovery, public service delivery, and national energy security. The Government of Lebanon, through the Ministry of Energy and Water (MEW) and the Electricity Regulatory Authority (ERA), in accordance with the law 462/2002 seek to mobilize private investment for additional cost-effective generation capacity, improved reliability, and gradual diversification of the national energy mix.

The electricity sector has historically faced structural challenges, including insufficient available generation capacity, fuel supply constraints, high dependence on liquid fuels, aging generation assets, technical and non-technical losses, and limited grid flexibility. These challenges have resulted in prolonged electricity supply shortages and a continuing reliance by end-users on private diesel generation and distributed self-supply.

In parallel, Lebanon has experienced rapid growth in distributed solar photovoltaic systems, reflecting strong demand from households, institutions, commercial users, and industrial facilities for reliable and affordable electricity.

This market momentum provides an opportunity to integrate additional renewable energy capacity in an orderly manner, while reinforcing the role of dispatchable generation required for system stability.

This Call for Expression of Interest (EOI) invites developers to submit expressions of interest for potential generation projects that may subsequently be considered for generation licences under Law No. 462/2002.

- Solar Photovoltaic (PV) farms: Up to five grid-connected solar PV projects with a total installed capacity of 350 MWp, together with Battery Energy Storage Systems (BESS) totaling 1,000 MWh, and
- Distributed dual-fired thermal power plants with net project capacities ranging from 20 MW to 100 MW, capable of operating on natural gas as primary fuel and Heavy Fuel Oil (HFO) as backup fuel.

The projects are expected to be structured as Independent Power Producer (IPP) projects. Any future contractual arrangements, including any Power Purchase Agreement, shall be determined by the competent public authority under the applicable legal framework.

This EOI is issued by the Electricity Regulatory Authority in the context of its regulatory and licensing mandate under Law 462/2002 and applicable legislation, for the purpose of assessing market interest, potential generation projects, and the technical and financial capabilities of prospective developers.

2. Policy Background

The Government of Lebanon seeks to mobilize private investment for additional cost-effective generation capacity, improved reliability, and the gradual diversification of the national energy mix, within the sector policy framework led by the Ministry of Energy and Water (MEW) and the regulatory and licensing framework administered by the Electricity Regulatory Authority (ERA), in accordance with Law 462/2002, as applicable.

In addition to renewable energy deployment, the current energy context requires dispatchable and flexible generation capacity that can support the grid, balance variable renewable generation, reduce reliance on small private diesel generators, and provide electricity when solar resources are not available. Dual-fired thermal power plants can provide such capacity, particularly where they are designed to operate initially on available liquid fuels and subsequently on natural gas as gas infrastructure is planned to become available.

This EOI is aligned with the following policy directions:

- encouraging private investment in electricity generation projects;
- supporting renewable energy integration and distributed generation;
- improving electricity reliability and reducing the cost of supply;
- facilitating a transition from liquid fuels toward natural gas where technically and commercially feasible;
- ensuring compliance with environmental and social requirements; and
- promoting transparent, competitive, and bankable project development structures.

For the purposes of this EOI, up to five Solar PV projects with a total installed capacity of 350 MWp, together with Battery Energy Storage Systems (BESS) totaling 1,000 MWh. Dual-fired thermal power plants shall have a net capacity within the range of 20 MW to 100 MW and shall demonstrate readiness for future natural gas operation.

3. Project Framework

The Ministry of Energy and Water (MEW) is the main public authority responsible for the country's electricity sector in terms of strategy, policy, and planning. The Electricity Regulatory Authority (ERA), as the sector regulator, is responsible for establishing and administering the regulatory and licensing framework in accordance with Law 462/2002 and applicable legislation. This includes setting and enforcing the technical, safety, economic, environmental and operational coordination requirements applicable to licensed activities, including requirements related to grid integration and coordination across generation, transmission and distribution.

The proposed projects rely on the participation of private sector entities/developers within the applicable sector policy, regulatory and licensing framework. Any future procurement process shall be conducted by the competent authority.

This EOI covers two project categories:

- Category A – Solar PV Farms: grid-connected solar PV projects with a total installed capacity of 350 MWp, together with Battery Energy Storage Systems (BESS) totaling 1,000 MWh, including all associated civil and electrical works, grid interconnection facilities, monitoring and control systems, and long-term operation and maintenance obligations.
- Category B - Dual-Fired Thermal Power Plants: distributed thermal power plants with net capacity from 20 MW to 100 MW, connected to existing EDL grid using natural gas as primary fuel and HFO as secondary/backup fuel. Eligible technologies may include reciprocating engine power plants, gas turbines, or other proven utility-grade thermal generation technologies acceptable to ERA.



The developer shall be responsible for land acquisition or leasing, all required permits, project design, financing, construction, interconnection infrastructure, testing, commissioning, commercial operation, and long-term operation and maintenance.

Projects shall comply with the applicable Lebanese legal and regulatory framework, ERA licensing and regulatory requirements, applicable technical and grid requirements, environmental and social safeguards, and international good industry practice.

4. Instructions to Potential Developers

Private investors, EPC contractors, equipment suppliers, IPP operators, and consortia interested in submitting an Expression of Interest in response to this call are requested to take the following points into consideration:

- The objective of this EOI is to identify private sector entities capable of developing Solar PV and dual-fired thermal power generation projects.
- The private sector entity shall finance, develop, acquire or lease land, design, build, own, operate, and maintain the plant, and shall be responsible for all other aspects of project development and operation unless otherwise agreed in the project agreements.
- The development and operation of the proposed projects shall be subject to the applicable licensing and regulatory framework administered by ERA in accordance with Law 462/2002.
- Subject to the applicable procurement framework, sector structure and required public approvals, a Power Purchase Agreement or other contractual structure will be defined at the Request for Proposals stage. Any such arrangement shall remain subject to the applicable ERA licensing and regulatory framework.
- Each project shall deliver electricity at a point of interconnection technically assessed and agreed with EDL subject to the applicable ERA licensing, regulatory and technical requirements. The developer shall build or upgrade the feeder line, substation, protection systems, metering systems, telecommunications, and all infrastructure required to deliver energy to the grid.
- Delivered energy shall comply with applicable quality standards, grid code and metering requirements, ERA licensing and regulatory requirements, and the operational and dispatch procedures of EDL, as applicable.
- The developer shall, following commissioning and throughout the operational phase of the Project, provide real-time energy production data, forecasts, plant availability data, fuel status, alarms, and related operational information to ERA and to EDL's future national control center/dispatch center.
- For Solar PV farms, up to five grid-connected solar PV projects with a total installed capacity of 350 MWp, together with Battery Energy Storage Systems (BESS) totaling 1,000 MWh are expected.
- For dual-fired thermal power plants, the net project capacity shall range from 20 MW to 100 MW.
- Thermal projects shall demonstrate dual-fuel capability using natural gas and HFO, including fuel handling, emissions control, fuel-switching procedures, and future gas-readiness.
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- Respondents to this EOI may be requested to provide indicative commercial information. Such information shall not constitute a financial bid or create any entitlement to award.
- Any future procurement process may establish the applicable technical, commercial and financial evaluation criteria, as determined by the competent contracting authority in accordance with the applicable legal framework.

5. Submission of Expression of Interest (EOI)

In addition to the duly completed application form provided in Section 6, each EOI shall include sufficient information and supporting documentation addressing the following points:

- **Clear description of the respondent:** the respondent shall identify the lead developer, its relationship to a parent company, and any firms that comprise the consortium or joint venture. Each respondent shall provide a statement from each consortium member that the lead developer is authorized to act on their behalf.
- **Project description:** location with coordinates displayed on a map, project capacity, estimated generation per year, proposed technology, technical specifications, fuel strategy where applicable, and grid integration plans at the proposed location.
- **Financial capability:** the respondent shall provide evidence of its financial capability and previous experience in financing IPP mainly but limited to: financing similar projects size, required guarantees, turnover and its ability to obtain sufficient funds to develop the project, including previous successful experience in raising debt participation and substantial equity participation for energy projects
- **Technical capability and experience:** the respondent shall provide evidence of having the technical capability to manage design, engineering, construction, commissioning, operation, and maintenance of Solar PV and/or thermal power plant projects of comparable size and complexity.
- **Grid connection requirements:** the respondent shall identify the nearest MV/HV facilities, preliminary interconnection concept, voltage level, estimated feeder length, substation requirements, protection and control requirements, and any expected grid reinforcement needs.
- **Environmental and social requirements:** the respondent shall identify land status, environmental constraints, availability of environmental impact assessment information, air emission considerations for thermal plants, community impacts, water requirements, noise limits, and expected permitting pathway.
- **Thermal-specific information:** for dual-fired thermal projects, the respondent shall provide net output, gross output, technology type, heat rate, efficiency, availability, ramp rate, primary fuel, secondary fuel, fuel consumption, emissions guarantees, black-start capability, water consumption, cooling system, and gas-conversion readiness.



- **Solar-specific information:** for Solar PV projects, the respondent shall provide module technology, inverter technology, mounting structure, expected performance ratio, degradation assumptions, optional battery storage information, annual generation, and plant availability.
- ERA reserves the right to request additional information, clarification, site visits, interviews, financial evidence, technical demonstrations, or supporting documentation from any respondent.

6. Application Form

Ref.	Subject	Response
1	Company Name	
2	Country	
3	Full Address	
4	Phone Numbers	
5	Official Email Address	
6	Official Representative / Mobile	
7	Company Profile (add attachments if needed)	
8	Company Turnover (USD)	
9	Proposed Site Location (ownership or rental) (add attachments if needed)	
10	Project Category (Solar PV / Dual-Fired Thermal)	
11	Grid Connection Requirements (presence of MV or HV) (add attachments if needed)	
12	Manufacturer(s) of Equipment (PV panels, inverters, mounting structure, engines, turbines, generators, boilers, or related equipment)	
13	Total Proposed Capacity (MW AC / MW net)	
14	Minimum Proposed Generation (MWh/year) (add attachments if needed)	
15	Availability of an Environmental Impact Assessment (EIA)	
16	Lead Time for Construction (Months)	
17	Lead Time for First Synchronization to the Grid (Months)	
18	Lease Duration (minimum and maximum, in years) (add attachments if needed)	
19	For Solar PV: module technology, inverter technology, mounting structure, tracker/fixed-tilt option, expected performance ratio, and degradation assumptions	
20	For Solar PV: Proposed project capacity (MWp)	
21	For Solar PV: Battery Energy Storage System, if applicable (capacity, duration, technology, and control philosophy)	
22	For Thermal Plants: technology type (reciprocating engines, gas turbine, or other proven technology)	



23	For Thermal Plants: net capacity, gross capacity, heat rate, efficiency, ramp rate, and guaranteed availability	
24	For Thermal Plants: primary fuel (Natural Gas), secondary fuel (HFO), fuel storage, fuel treatment, and fuel-switching capability	
25	For Thermal Plants: emissions guarantees, stack design, noise limits, water consumption, cooling system, and environmental controls	
26	For Thermal Plants: gas-readiness and modifications, if any, required for future operation on LNG or pipeline gas	
27	Proposed Commercial Operation Date	

Note:

- ERA reserves the right to request additional information to be added to the list.
- ERA reserves the right to cancel, amend, suspend or reissue this EOI at any time without compensation or liability to respondents.
- This EOI does not constitute a Request for Proposals, public procurement procedure or project award process.
- Information submitted may be used by ERA for regulatory planning, market assessment and preparation of future regulatory frameworks and shall be treated in accordance with applicable confidentiality requirements.
- EOI submissions shall be sent to **ERA.Lebanon@gmail.com** no later than **31 August 2026**, with the subject line: "Response to the Call for Expression of Interest (EOI) for the Identification of Potential Generation Projects and Private Sector Developers."

End of Call for Expression of Interest.