



Specific Requirements: Applying for the Solar PV Facilitation Letters

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When applying for a solar PV facilitation letter, it is important to abide by the following criteria. These criteria represent prerequisites to the approval of any application for a solar facilitation letter. These criteria are mandatory for any application submitted starting 10 December 2024.

Once the application form is filled out, a signed copy must be submitted and registered at the Secretariat of the Office of the Minister of Energy and Water. Once registered, the application request will have an official registration number (XXXX\).

In parallel, a soft copy of the application form including all documents requested below must be sent via email to pv.approvals@lcec.org.lb. The requested documents can be categorized as follows: electrical design, civil design, and proofs of ownership.

1. Electrical:

- A clear single line diagram (SLD) showing the electrical network of the solar PV system, signed by a Lebanese electrical engineer (registered at the Order of Engineers and Architects (OEA) in Beirut or Tripoli).
- Datasheets and certificates of the selected components (solar PV panels, inverter, and batteries).
- A clear scanned copy of the OEA card of the electrical engineer who signed the SLD.

2. Civil:

- Wind load calculation report signed by a civil or a mechanical engineer (registered at the Order of Engineers and Architects (OEA) in Beirut or Tripoli) showing that the structure does not affect the structural safety of the building and can support the wind loads as per the national standard NL 137:2020.
- Declaration letter signed by a civil or a mechanical engineer (registered at the Order of Engineers and Architects (OEA) in Beirut or Tripoli) confirming that the structure does not affect the structural safety of the building and can support the wind loads as per the national



standard NL 137:2020. **The letter should include the owner's name, the plot number, the number of panels, and their maximum elevation.**

- A clear scanned copy of the OEA card of the civil or mechanical engineer who prepared the wind load calculation report.
- A clear and professional document containing the layout and side view drawings of the solar PV system. These drawings should be formatted in readable and printable dimensions and font, as they will be printed in A4 format and attached to the facilitation letter sent to the Ministry of Interior and Municipalities. The document must meet the following specifications:
 - All drawings must have a frame, a legend, the name of the engineer, his/her stamp, and signature.
 - The drawings must include a clear layout view of the rooftop, plot in case of an unbuilt land, and the solar PV system, mentioning the count of PV panels.
 - The drawings must include a clear side view of the solar PV structure, including all heights and measures, particularly the distance from the highest point of the PV structure to the ground.
 - The drawings must include the following statement: "The solar PV system does not include any sandwich panels or any other type of cover."
 - For rooftop applications, the actual height of the building (in meters) must be clearly indicated.
 - If the system is made of 10 PV panels or less, installed on a classic roof, kindly include the top view/layout and the side view of the panels in one drawing.
 - Additionally, the drawings must clearly show the location of the load benefiting from the solar PV system, mentioning the name of the beneficiary and the plot number where the solar PV system is to be installed.
 - The following statement shall be mentioned on all drawings of systems that are not "rooftop" systems: "شرط الاستحصال على التصاريح القانونية والتراخيص اللازمة وفقاً للأصول"
 - **Please make sure that all the texts added to the drawings are clear, visible and readable.**

3. Ownership:

- The ID of the owner of the solar PV system must be submitted.
- The title deed of the plot where the system will be installed must be submitted.
- In case the plot was owned by multiple owners, a written approval from all the owners is needed.
- If the plot is rented, a valid rental agreement and a written approval from the owner(s) is mandatory to proceed with the installation.
- If the installation is on a residential building (with multiple owners), a written approval from the owners is needed.