

Solar PV System Design Application

Application Number ----- (SN)/ PV_DA /----- (Year)

Information of the Applicant's POC

Organization (if applicable) CR

First Name Last Name CPR

Block Road Building

Telephone Mobile e-mail

PV Capacity of Preliminary-Approval kW Proposed PV Capacity (if different) kW

Voltage Delivery V SPN (if applicable)

Information of the Assigned Contractor

Name CR Level

Governorate Block Area

Building Road Fax

Telephone Mobile e-mail

Information of the Assigned Consultant – if any

Name CR Level

Governorate Block Area

Building Road Fax

Telephone Mobile e-mail

List of Submittals

	<i>Submitted?</i>
Preliminary Approval	<input type="checkbox"/>
Approved Building Permission	<input type="checkbox"/>
<i>Material Approvals for All Solar PV Equipment; unless being in EWA's approved list:</i>	
– Solar PV modules	<input type="checkbox"/>
– Grid-tie inverter, if applicable	<input type="checkbox"/>
– AC & DC cables and connectors	<input type="checkbox"/>
– Protection panels with their devices and combiner-boxes for both AC & DC	<input type="checkbox"/>
– External interface-protection, if applicable	<input type="checkbox"/>
– Conversion transformer, if applicable	<input type="checkbox"/>



Datasheets of all used equipment, with listing all makes

Relevant Drawings of:

- *Comprehensive Single-Line-Diagram with pertinent dimensions*
- *DC & AC cable-routing with pertinent cable-schedule*
- *Earthing wire-routing with pertinent earth-pit*
- *DC & AC equipment mounting details*
- *PV modules' layout with civil foundation & racking*

Relevant calculations of:

- *Cable-sizing for both AC & DC*
- *Structural civil-calculations, if applicable*
- *Pertinent devices sizing calculations*
- *Simulation results including harmonics, if applicable*
- *Voltage-drop for both AC & DC sides*
- *Earhting calculations*
- *Shading analysis, if applicable*

Sequential list for the accounts to benefit from energy-credit, if applicable

Maintenance-contract for the proposed solar PV system, if applicable

Endorsement of Applicant

I (submitter), hereby, and on-behalf of the applicant, declare the endorsement that the provided information herein are all correct, and fully agree to commit all obligations being identified in the related EWA's technical standards of solar PV systems with their governmental resolution of 2:2017.

Submitted by *Contact number*

Signature *Submission date*

EWA's Design Approval

EWA, hereby, and basing on the submitted data by the applicant through this specific form, gives the approval to proceed with the sublimated system' design, if intended, with the ultimate condition of satisfying and adhering all obligations that the related documents and governmental resolution of renewable energies hold.

Employee name *Job title*

Approval date *Signature*

