

*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*

*Submitted?*

Preliminary Approval

Approved Building Permission

*Material Approvals for All Solar PV Equipment; unless being in EWA's approved list:*

– Solar PV modules

– Grid-tie inverter, if applicable

– AC & DC cables and connectors

– Protection panels with their devices and combiner-boxes for both AC & DC

– External interface-protection, if applicable

– Conversion transformer, if applicable



*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* .....

