

A4. Solar (Photovoltaic) Power Plant

1	Applicant Name	
2	Contact Name	
3	Address and Applicant Details	

a) Connection

1	Connection Point	Indicates a single line diagram of the proposed Connection to the Transmission System in a hard and a soft copy.
2	Location	Represents the geographical area of the location of the object / objects in map. This map should be legible and not smaller than the format A3.
3	Nominal Voltage	(kV) Voltage level in Connection points to the Transmission System
4	Solar Generator Type	Technical description of the generator, its type. Information on radiation in kWh / m ² per year. Azimuth Corner. Yield in kWh / kWp (DC) per year

b) Plant Capacity

1	Total Generator Power in MWp (DC)	Condition of existing plants. Capacity of new plants, divided in phases
2	Total Generator Power in MW (AC)	
3	Nr. of generating units / modules and PV panels by division	Nominal active power in MW after DC / AC conversion according to investment phases
4	Number of annual working hours	

c) Data of Generating Units

1	Generation characteristics	Working parameters in Maximum, Minimum, and Averages.
2	Module type and capacity in	Condition, types, capacity.
3	Nominal characteristics of the module	Un(V); In(A)
4	Converter (Inverter)	Type, capacity, voltage, performance
5	Step up power transformer	<p>a) Type</p> <p>b) Nominal capacity in MVA</p> <p>c) Voltage level HV / LV in kV</p> <p>d) Voltage Regulation - number of degrees and ($\pm\%$) for any degree and in total</p> <p>e) Total Resistance in% (Fair Order for Power Nominal)</p>
6	Three-phase short-circuit current in the MV busbar in kA	Provide the contribution of the photovoltaic park to the connection current of short at the MV node of the HV / MV step up Substation

d) Power for own needs

1	Total Power in MW and required MVA for auxiliary equipment	In MW and MVA
2	Total external power for Black-Start	In MW