

## The Solar Water Heating System Facility for the Red Sea and South Sinai Hotels

### *Technical Annex*

#### General information

Applicant's name (Last, First)	
Salutation	Select
Position in the organisation	
Company	
Address	
Post code	
City	
Telephone number	
Fax number	
E-mail	

#### Technical data

Hotel Name and location			
Number of occupants	Winter	Summer	
Typology of plant (tick)	<input type="checkbox"/> Integrated	<input type="checkbox"/> ground-mounted	<input type="checkbox"/> retrofit
Positioning (if not ground-mounted)	<input type="checkbox"/> Tilted roof	<input type="checkbox"/> flat roof	<input type="checkbox"/> facade
Technology	<input type="checkbox"/> Thermo-siphon,	<input type="checkbox"/> forced circulation	
Auxiliary energy source	Select		
Typology of collectors	<input type="checkbox"/> Flate plate	<input type="checkbox"/> Vacuum tube	
Brand name of solar collectors			
Number of collectors installed			
Total surface area	m <sup>2</sup>		
Net effective surface area	m <sup>2</sup>		
Inclination of collectors	°		
Orientation			
Shadows	Select		
Number of storage tanks			
Total storage tank volume	m <sup>3</sup>		
Expected thermal output	kWh/yr		
Daily sanitary hot water consumption	litres		
% of hot water demand covered by solar water heaters			
% of energy demand covered by solar water heaters			
Total cost of purchase and installation	L.E.		
Type of finance used			
Duration of guarantee	years		

## **Documents to be enclosed**

- ⇒ Signed copy of the applicant's ID card
- ⇒ Technical sheets of products
- ⇒ Copy of product certifications (if available<sup>1</sup>)
- ⇒ Copy of the preliminary project, including amongst other:
  - Description of the user and energy needs
  - Description of the solar thermal installation, and single components
  - Size of the solar thermal plant and expected energy output
  - Layout of solar collectors and auxiliary components
  - Safety equipments
  - Solar thermal plant control system
- ⇒ Detailed budget
- ⇒ Copy of the energy bills over two-year timeframe
- ⇒ Check list including the number and frequency of each planned intervention (e.g.: every 3, 6, 12 months)
- ⇒ Maintenance contract duration
- ⇒ Cost of the maintenance service

### **After the installation**

- ⇒ Copy of the final project
- ⇒ Copy of the monitoring and maintenance contract
- ⇒ A guideline (user manual) containing the basic operation and maintenance checks to be performed by the holder of the solar water heating system

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<sup>1</sup> Egyptian companies which do not possess any product certification at the time of the presentation of the application are allowed to present these copies at a later stage, upon confirmation of the positive evaluation. The possession of certification for the products is a prerequisite for operating within the present scheme.