A. Definition of the Project

A.1 Title	**Energy Efficiency in Public Hospitals**

A.2 Type of project	
Energy efficiency –Cogeneration	**X**

A.3 Stakeholders	*Partners involved in the project activities:* Italian Ministry for the Environment and Territory Centre de Développement des Energies Renouvelables *Other partners* Ministry of Health - Morocco

A.3 Location of the project	
City / Town / Village	To be identified
Brief description of the location	

A.4 Forecasted Planning for the project			
Status of the project	Phases	Status	Forecasted timing
	Idea / concept	☐	Start of the Project: November 2005; Duration: 14 months.
	Pre feasibility study		
	On going	**X**	
	Done	☐	

B. Stakeholders

B.1 Main promoters	
Name	***Italian Ministry for the Environment and Territory***
Type of organisation	Governmental
Address	Via C.Colombo, 44 00147 Roma - Italy
Contact person	Mr F.Presicce
Telephone/ fax	Tel: +39 06 57228162 Fax: +39 06 57228178
e-mail	presicce.francesco@minambiente.it
Name	***Centre de Développement des Energies Renouvelables (Morocco)***
Type of organisation	Governmental
Address	rue Mechaar Al Haram, Issil, Marrakech, Morocco
Contact person	Mr J.Cherkaoui
Telephone/ fax	Tel: 0021244309814 Fax: 0021244309795
e-mail	cder@menara.ma

C. Technical description of the project

C.1 Technical description of the project

In the framework of the "Moroccan Program for developing solar water heaters, "PROMASOL", energy audits have been conducted in sixteen public hospitals in the country. This work has permitted CDER to acquire several information on the operation of these facilities and to analyse energy consumption and potential energy needs and savings.

The project is aimed at improving the energy efficiency and energy saving in hospitals. An assessment of energy demand and final energy uses in Moroccan hospitals will be carried out. One or more promising hospitals will be selected and feasibility studies developed for energy efficiency/energy savings actions and for high standard cogeneration plants. On

the basis of such feasibility studies, a concrete implementation of such interventions will take place. The proposed project aims also at improving the energy services inside these facilities by installing solar water heaters collective systems to substitute conventional water heaters, to produce hot sanitary water using a clean local source of energy and to provide hospitals with co-generation facilities. The project details will be defined by a steering committee, involving both institutions and the private sector.
C.2 Photo/drawing of the project/building:

C.3 Typical indicators	Investment - Euros	1.300.000

C.4 Detailed technical indicators	
M² installed	
Power per m²	
Delivered power	

D. GHG emissions: reduced / avoided

D.1 Type of GHG reduced or avoided	
CO_2	
CH4	
N_2O	
HFCs	
PFCs	
SF_6	

D.2 Base line	
Description of the level of reference	
Other elements	

D.3 Total emission reduction per year	
In Tons CO² equivalent	

D.4 Estimated CER gains - thousand euros			
Estimated price (euros/t) - Tons CO_2 equivalent	3	5	10
Total estimated gain			

E. Financial aspects

E.1 Estimated costs - Euros	
Total investment	1.300.000

F. Contribution of the project to sustainable development	
Natural environment	Energy efficiency and Co-Generation facilities diffusion will result in reduced impact on the natural environment (emissions and energy consumption)
Social (employment, health, education, ...)	Awareness raising and promotion of other projects in public buildings in the country. Opportunities of employment for people who will be trained for the installation and maintenance of the equipment.
Economy (local, national, …)	Diversification of the energy supply of the hospitals and less energy demand; This project may set up a favourable environment that could contribute to building market mechanisms and supporting the market actors who can sell, finance, install and maintain the energy efficiency technologies.

G. Other relevant information	
List of available documents	-Annex to the MoU between IMET and CDER, referring to the Project; -Project work plan