

CDM – Executive Board

Section A. General description of small-scale project activity
A.1 Title of the small-scale project activity:

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Gochang Solarpark 14.98MW photovoltaic power plant Project
Version 07
4, Jan, 2010

A.2. Description of the small-scale project activity:

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Gochang PV power plant is a grid-connected photovoltaic power plant located in Gochang-Gun, Jeollabuk-Do, Republic of Korea.

The area of this project is about 390,885m² and annual amount of generated electricity will be 22,183MW. This generated electricity will reduce GHG emissions by about 13,523tCO₂e/year and 135,225tCO₂e over 10 years.

The project sites is divided into 5 areas and the capacity of each area is 3MW (see figure A-2). The starting dates for the operation are shown in <Table A-1>

<Table A-1>the starting dates of operation each PV plant

Plant	#1	#2	#3	#4	#5
Starting Date	2008.5.29	2008.7.24	2008.8.25	2008.9.28	2008.9.29

The project is to transmit and spread advanced foreign technologies and the main PV generation facilities used in the project were SW-175/SW-180 made by Solarworld Co., Ltd in Germany.

In Korea, there is a great deal of interest in renewable energy sources including solar power energy and efforts have been made to reduce fossil fuel usage in various ways. As those fossil fuel based power plants account for 63.25% of electricity generated in Korea in 2007(KEPCO : Korea Electric Power Corporation¹), the proposed project is expected to decrease the usage of fossil fuels and also serve in the development and diffusion of renewable energy technologies in the country.

The proposed project will contribute to sustainable development in areas such as acquaintance with advanced technology and maintenance know-how, and creation of job opportunities in the country as follows.

- Social/ Technological aspects
 - The proposed project can diversify sources of electric generation and be a model case as a PV power plant that utilizes solar energy.
 - The proposed project will contribute to the revitalization of the local energy industry with the cooperation of local governments.
- Economic aspects
 - The proposed project will supply the local area with available electric power and contribute to the national energy supply.
 - The proposed project will create job opportunities directly and indirectly through construction and operation of the plant.

¹ Korea Electric Power Statistics("KEPCO in brief" : 12 June 2008 <http://www.kepco.co.kr>)

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- The proposed project will include investments from the government. In Korea, areas located near the power plant can make economic investments.
- Environmental and National aspects
 - The photovoltaic power plant replaces coal-fired power plants and contributes to the national reduction of GHG emissions.
 - The plant will contribute toward improving the quality of air and creating better living conditions nationwide by reducing air pollution.

A.3. Project participants:

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<Table A-2>Project participants

Name of Party involved(*) ((host)indicates a host Party)	Private and/or public entity(ies) project participants(*) (as applicable)	Kindly indicate if the Party involved wishes to be considered as project participant(Yes/No)
Republic of Korea(host)	Private participant: Gochang solarpark Co., Ltd.	No

A.4. Technical description of the small-scale project activity:**A.4.1. Location of the small-scale project activity:**

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A.4.1.1. Host Party(ies):

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Republic of Korea

A.4.1.2. Region/State/Province etc.:

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Jeollabuk-Do

A.4.1.3. City/Town/Community etc:

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Heungdeuk-Myeun , Gochang-Gun

A.4.1.4. Details of physical location, including information allowing the unique identification of this small-scale project activity :

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The project site is located in #100, Chiryong-Ri, Heungdeuk-Myeun, Gochang-Gun, Jeollabuk-Do, in the southwestern part of Korea. The site's approximate coordinates are east longitude of 126.42° and north latitude of 34.32°.