

**Implementation Status & Results**  
**Egypt, Arab Rep**  
**KUREIMAT SOLAR THERMAL HYBRID PROJECT (P050567)**

Operation Name: KUREIMAT SOLAR THERMAL HYBRID PROJECT (P050567)      Project Stage: Implementation      Seq.No: 7      Status: ARCHIVED      Last Modified Date: 13-Dec-2010

Country: Egypt, Arab Rep      Approval FY: 2008  
 Product Line: Global Environment Project      Region: MIDDLE EAST AND NORTH AFRICA      Lending Instrument: Specific Investment Loan  
 Implementing Agency(ies): New and Renewable Energy Agency (NREA)

**Key Dates**

Board Approval Date	11-Dec-2007	Original Closing Date	31-Oct-2011	Planned Mid Term Review Date	Last Archived ISR Date	30-Jun-2010
Effectiveness Date	16-Dec-2007	Revised Closing Date	31-Oct-2011	Actual Mid Term Review Date		

**Global Environmental Objectives**

Global Environmental Objective (from Project Appraisal Document)

**The objective of the project is to contribute to an increase in the share of renewable energy in the Egyptian generation mix thereby contributing to the Governments aim of diversifying electric power production.**

Has the Project Development Objective been changed since Board Approval of the Project?

Yes       No

**Component(s)**

Component Name	Component Cost
Design, construction and initial operation of the proposed solar combined cycle plant	49.80
Capacity building to NREA	6.36
Environmental and Social Impact management	0.45

**Overall Ratings**

	Previous Rating	Current Rating
Progress towards achievement of GEO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating		

**Implementation Status Overview**

Project Implementation is satisfactory and the combined testing for the Solar and Combined Cycle is underway.

Commissioning has advanced up till the last of four sections, with testing being undertaken at the rate 1-2 loops per week. All the tested loops have surpassed the guaranteed

efficiency levels by 8-20%. The construction of the combined cycle island is completed and is in pre-commissioning status. It has already been run and fed power into the grid, reaching up to 110 MW.

**Results**

**Global Environmental Objective Indicators**

Indicator	Baseline	Current	End Target
Indicator Name Increase the share of solar-based power in the Egyptian energy mix  Type                      Unit of Measure Custom Indicator      Text	Value 0  Date 11-Dec-2007  Comment	Value Construction of solar hybrid power plant is completed. Contribution of solar energy will materialize when plant is operational.  Date 02-Dec-2010  Comment	Value 33.4 GWh  Date 31-Oct-2011  Comment
Indicator Name Contribute to lower CO2 emissions in energy generation  Type                      Unit of Measure Custom Indicator      Text	Value 0  Date 11-Dec-2007  Comment	Value Construction of solar hybrid power plant is completed. Lower CO2 emissions will materialize when plant is under operation.  Date 02-Dec-2010  Comment	Value 20,000 tons of CO2/year  Date 31-Oct-2011  Comment
Indicator Name Support the development and demonstration of the operational viability of the ISCC configuration, and contribute to its replication.  Type                      Unit of Measure Custom Indicator      Text	Value 0  Date 11-Dec-2007  Comment	Value Construction of solar hybrid power plant is completed.  Date 02-Dec-2010  Comment	Value Monitored during construction and operation of the plant will be reported on a quarterly basis and dissemination to be determined based in lessons learned during implementation  Date 31-Oct-2011  Comment

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Indicator		Baseline	Current	End Target
Indicator Name Solar output as a percentage of total energy produced in the hybrid plant		Value 0	Value Construction of solar hybrid power plant is completed. Solar output will be measured when plant is under operation.	Value 4%
Date 11-Dec-2007		Date 11-Dec-2007	Date 02-Dec-2010	Date 31-Oct-2011
Type Custom Indicator	Unit of Measure Text	Comment	Comment	Comment
Indicator		Baseline	Current	End Target
Indicator Name Total electricity generated from the ISCC plant (GWh/year)		Value 0	Value Construction of solar hybrid power plant is completed. Total energy production will be measured when plant is under operation.	Value 852 GWh
Date 11-Dec-2007		Date 11-Dec-2007	Date 02-Dec-2010	Date 31-Oct-2011
Type Custom Indicator	Unit of Measure Text	Comment	Comment	Comment

**Intermediate Results Indicators**

Indicator		Baseline	Current	End Target
Indicator Name Solar plant completed and operational with a generation capacity of about 20MW		Value 0	Value Construction of solar hybrid power plant is completed. It is expected that the plant will be commercial by March 2011.	Value Plant is operational
Date 11-Dec-2007		Date 11-Dec-2007	Date 02-Dec-2010	Date 31-Oct-2011
Type Custom Indicator	Unit of Measure Text	Comment	Comment	Comment

**Data on Financial Performance (as of 07-Aug-2009)**

Financial Agreement(s) Key Dates						
Project	Loan No.	Status	Approval Date	Signing Date	Effectiveness Date	Closing Date

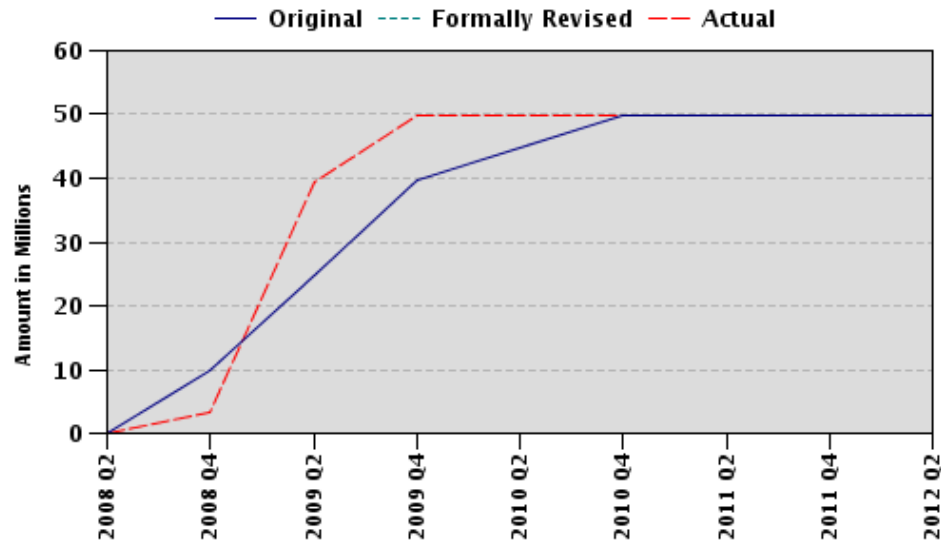
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Project	Loan No.	Status	Approval Date	Signing Date	Effectiveness Date	Closing Date
P050567	TF-91289	Effective	16-Dec-2007	16-Dec-2007	16-Dec-2007	31-Oct-2011

**Disbursements (in Millions)**

Project	Loan No.	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P050567	TF-91289	Effective	USD	49.80	49.80	0.00	49.80	0.00	100.00

**Disbursement Graph**



**Key Decisions Regarding Implementation**

The combined plant is expected to reach commercial operation in the first quarter of 2011.

**Restructuring History**

There has been no restructuring to date.

**Related Projects**

There are no related projects.