The World Bank

Report No: ISR3412

Implementation Status & Results
Egypt, Arab Republic of
KUREIMAT SOLAR THERMAL HYBRID PROJECT (P050567)

Operation Name: KUREIMAT SOLAR THERMAL HYBRID PROJECT (P050567) | Project Stage: Implementation | Seq.No: 8 | Status: ARCHIVED | Last Modified Date: 07-Jun-2011

Country: Egypt, Arab Republic of | 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	28-Jan-2011
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		NA

Implementation Status Overview

The construction work on both the solar island and combined cycle island has been completed and completion certificates issued. Combined operational testing is underway and expected by July 31, 2011.

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: Custom Indicator Unit of Measure: Text	Value: 0 Date: 11-Dec-2007 Comment:	Value: 0 Date: 06-Jun-2011 Comment:	Value: 33.4 GWh Date: 31-Oct-2011 Comment:
Indicator	Baseline	Current	End Target
Indicator Name: Contribute to lower CO2 emissions in energy generation Type: Custom Indicator Unit of Measure: Text	Value: 0 Date: 11-Dec-2007 Comment:	Value: 0 Date: 06-Jun-2011 Comment:	Value: 20,000 tons of CO2/year Date: 31-Oct-2011 Comment:
Indicator	Baseline	Current	End Target
Indicator Name: Support the development and demonstration of the operational viability of the ISCC configuration, and contribute to its replication. Type: Custom Indicator Unit of Measure: Text	Value: 0 Date: 11-Dec-2007 Comment:	Value: Date: 18-May-2011 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:
Indicator	Baseline	Current	End Target
Indicator Name: Solar output as a percentage of total energy produced in the hybrid plant Type: Custom Indicator Unit of Measure: Text	Value: 0 Date: 11-Dec-2007 Comment:	Value: Date: 18-May-2011 Comment:	Value: 4% Date: 31-Oct-2011 Comment:

Indicator	Baseline	Current	End Target
Indicator Name Total electricity generated from the ISCC plant (GWh/year)	Value 0 Date 11-Dec-2007	Value Date 18-May-2011	Value 852 GWh 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 Date 11-Dec-2007	Value Plant is undergoing operational testing- solar island and the combined cycle island are completed Date 06-Jun-2011	Value Plant is operational Date 31-Oct-2011
Type Custom Indicator Unit of Measure Text	Comment	Comment	Comment

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

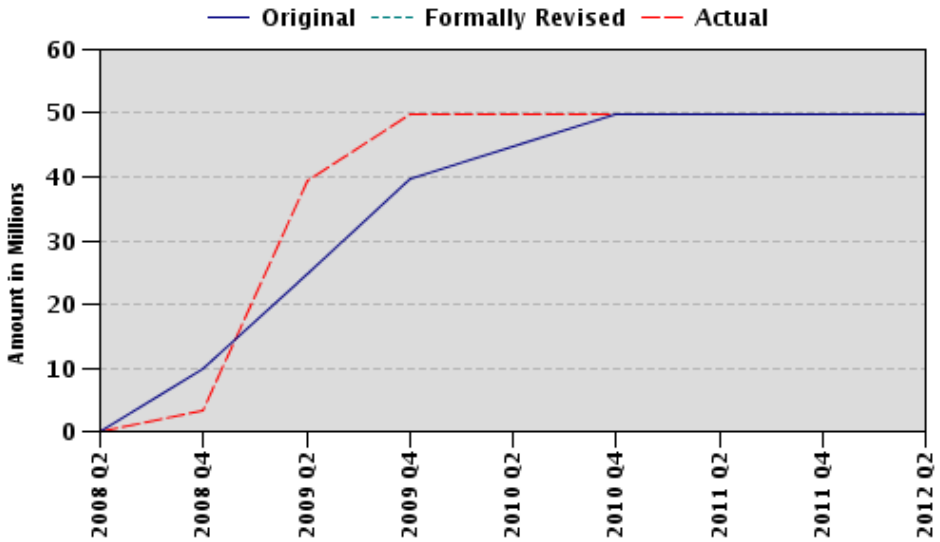
Financial Agreement(s) Key Dates

Project	Loan No.	Status	Approval Date	Signing Date	Effectiveness Date	Closing Date
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 project brings useful lessons for implementation of future concentrated Solar Power (CSP) Projects in MENA and need to be disseminated suitably among CSP practitioners in the region.

Restructuring History

There has been no restructuring to date.

Related Projects

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