Implementation Status & Results

Iraq

Dokan and Derbandikhan Emergency Hydro Power Project (P099059)

•	an and Derbandikl 99059)	han Emergency Hydro Power Pr	oject Project Stage:	Implementation	Seq.No: 15	Status: ARCHIVED	Archive Date:	30-Dec-201
· · ·	· · · ·	Country: Iraq		Approval FY:	2007			
Product Line: IBRD/ID/	4	Region: MIDDLE EAS	T AND NORTH AFRICA	Lending Instr	ument: Emerge	ency Recovery Loan		
Implementing Agency(ies):							
Key Dates								
Board Approval Date	12-Dec-2006	Original Closing Date 31-Dec	c-2010 Planned	d Mid Term Review Date	30-Apr-201	2 Last Archiv	ed ISR Date 13	S-Sep-2013
Effectiveness Date	30-Oct-2007	Revised Closing Date 31-Dec	c-2013 Actual I	Mid Term Review Date	23-Apr-201	2		

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objective of the proposed project is to: (i) help alleviate the current power supply shortfall in the Kurdish region through urgent repair work; (ii) strengthen the capacity of local operational staff; and (iii) prepare for the subsequent rehabilitation of the Dokan and Derbandikhan hydropower plants. The reliability of both power plants is very low and the effective capacity of each has been as low as 50 percent. Subsequent rehabilitation would restore their original capacity of 400 and 249MW respectively.

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

○ Yes ● No

Component(s)

Component Name	Component Cost
Repairs for Dokan	8.15
Repairs for Derbandikhan	20.75
Technical Assistance	11.10

Overall Ratings

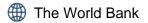
	Previous Rating	Current Rating
Progress towards achievement of PDO	Satisfactory	Satisfactory
Overall Implementation Progress (IP)	Satisfactory	Satisfactory
Overall Risk Rating		

Implementation Status Overview

Rehabilitation works on priority components of the Dokan and Derbandikhan hydropower stations have been almost completed and change orders under existing contracts are well

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managed by the Project Management Team (PMT) under the Ministry of Electricity of Kurdish Regional Government of Iraq (KRG MoE). Remaining minor works are expected to be completed on schedule by the Project Closing Date of December 31, 2013.

Locations

Country	First Administrative Division	Location	Planned	Actual
Iraq	Not Entered	Sadd Dukan		
Iraq	Not Entered	Derbandikhan Dam		

Results

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Project Development Objective Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Dokan HP availability increased.		Text	Value	65%	80%	80%
			Date	11-Nov-2006	17-Dec-2013	31-Dec-2013
			Comments		Based on the completion of major rehabilitation and controlling system works, PMT and Project Consultant (ELC) have approved the current availability in Dokan HPP as 80%.	Capacity availability increase will be realized upon completion of full rehabilitation, especially through vibration & overheating prevention works.
Derbandikhan power capacity increased.		Text	Value	60%	80%	80%
			Date	20-Nov-2006	17-Dec-2013	31-Dec-2013
			Comments	Capacity availability increase will be realized upon full completion of rehabilitation, especially in switchyard, by December 15, 2013. During the December 2013 Supervision mission the availability increase will be discussed.	Based on the completion of major switchyard rehabilitation and controlling system works, PMT and Project Consultant (ELC) have approved the current availability in Derbandikhan HPP	Capacity availability increase will be officially confirmed upon completion of full rehabilitation, especially in switchyard.
Percentage of relevant staff trained in operation, maintenance and rehabilitation who		Text	Value	0% of relevant staff trained and passed an assessment.	100%	100%
pass the end program assessment.			Date	20-Nov-2006	17-Dec-2013	31-Dec-2013
			Comments		100% of relevant staff trained and passed the end program assessment. PMT has submitted the final Capacity Building/Training	This is new a new indicator included through second restructuring approved in August 2012.

					Reportconsisting of detailed explanation of completed activities and quality assessments.	
Design and costing for assessed subsequent rehabilitation completed along with bidding documents.		Text	Value	No rehabilitation plans in place.	Rehabilitation design and costing 100% completed and bidding documents ready.	Rehabilitation design and costing 100% completed and bidding documents ready.
			Date	11-Nov-2006	17-Dec-2013	31-Dec-2013
			Comments	No rehabilitation plans in place.	Fully completed.	This is new indicator included through second restructuring approved in August 2012.
Generation Capacity of Hydropower	\times	Megawatt	Value	0.00	43.00	109.00
constructed or rehabilitated under the project			Date	30-Oct-2007	01-Nov-2013	31-Dec-2013
			Comments		During the December 2013 Supervision mission the total availability increase will be discussed.	As per MNADE request, this Core Indicator was added November 18, 2013.
Generation Capacity of Hydropower	X	Megawatt	Value	0.00	109.00	109.00
rehabilitated under the project		Sub Type	Date	30-Oct-2007	17-Dec-2013	31-Dec-2013
		Breakdown	Comments		PMT and Project Consultant (ELC) have confirmed the generation capacity of HPPs constructed/rehabilitated under the project as 109MW.	As per MNADE request, this Core Indicator was added November 18, 2013.

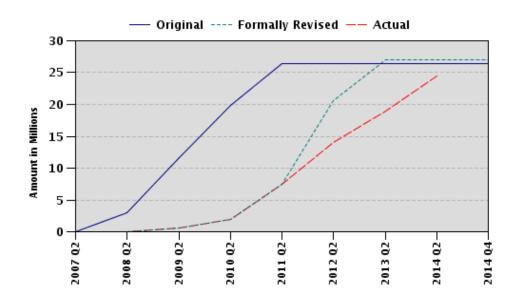
Intermediate Results Indicators						
Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Excitation and control systems replaced;		Percentage	Value	0.00	100.00	100.00
switchgear, dam intake structures, Derbandikhan dam slippage area, hydro-			Date	30-Oct-2007	17-Dec-2013	31-Dec-2013
mechanical and substation equipment repaired.			Comments		Equipment purchased and physical implementation works done. Minor adjustments being completed by no later than December 31, 2013.	This indicator is revised to better reflect intermediate targets necessary for PDOs to be met.
Derbandikhan hydraulic system redesign		Percentage	Value	0.00	100.00	100.00
reviewed and approved.			Date	30-Oct-2007	17-Dec-2013	31-Dec-2013
			Comments		Works completed as planned.	This indicator is revised to better reflect intermediate

					targets necessary for PDOs to be met.
Operational problems at Derbandikhan and	Text	Value	0.00	100.00	100.00
Dokan resolved (resulting in reliable unit		Date	30-Oct-2007	17-Dec-2013	31-Dec-2013
availability)		Comments		Full commissioning of rehabilitated equipment completed.	This indicator is revised to better reflect intermediate targets necessary for PDOs to be met.
Rehabilitation needs assessment completed	Percentage	Value	0.00	100.00	100.00
		Date	30-Oct-2007	17-Dec-2013	31-Dec-2013
		Comments		Fully completed.	Rehabilitation needs assessment completed.
Staff fully and effectively trained on the various	Percentage	Value	0.00	100.00	100.00
operations, maintenance and rehabilitation		Date	30-Oct-2007	17-Dec-2013	31-Dec-2013
aspects.		Comments		100% of relevant staff trained and passed the end program assessment. PMT has submitted the final Capacity Building/Training Reportconsisting of detailed explanation of completed activities and quality assessments.	This indicator has been revised to ensure that progress is better able to be monitored.

Data on Financial Performance (as of 13-Dec-2013)

Project	Ln/Cr/Tf	Status	Approval Date	e Signi	ng Date	Ef	fectiveness Date	Original Closing	Date Revised	Closing Date
P099059	IDA-42490	Effective	12-Dec-200	6 02-A	pr-2007	30)-Oct-2007	31-Dec-2010	31-Dec	-2013
Disbursement	s (in Millions)									
			-	O statistical	Deviced		Cancelled	Disbursed	Undisbursed	% Disbursed
Project	Ln/Cr/Tf	Status	Currency	Original	Revised		Calicelleu	Disbuiseu	Ulluisbuiseu	70 DISDUISEU

Disbursement Graph



Key Decisions Regarding Implementation

Following the extension of the Project Closing Date (September 30, 2012), up to December 31, 2013, J.V Luthardt GmbH & HEAG was awarded to execute the rehabilitation of Derbandikhan HPP switchyard. As of December 2013, main physical erection works have been finalized as planned. The second Project Closing Date extension has thus allowed completion of this major rehabilitation. The World Bank Project Team successfully conducted the last project supervision mission for this project in December 2013. Next step will be the preparation of the Project's Implementation Completion and Results Report (ICR).

Restructuring History

Level two Approved on 03-Sep-2010, Level two Approved on 22-Aug-2012

Related Projects

There are no related projects.