

Implementation Status & Results
Pakistan
Dasu Hydropower Stage I Project (P121507)

Operation Name: Dasu Hydropower Stage I Project (P121507)	Project Stage: Implementation	Seq.No: 1	Status: ARCHIVED	Archive Date: 10-Oct-2014
Country: Pakistan	Approval FY: 2014			
Product Line: IBRD/IDA	Region: SOUTH ASIA	Lending Instrument: Specific Investment Loan		
Implementing Agency(ies): Water and Power Development Authority (WAPDA) - DASU PMU				

Key Dates

Board Approval Date	10-Jun-2014	Original Closing Date	30-Jun-2022	Planned Mid Term Review Date	31-Oct-2016	Last Archived ISR Date
Effectiveness Date		Revised Closing Date	30-Jun-2022	Actual Mid Term Review Date		

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The overall project development objective is to facilitate the expansion of electricity supply of hydro-power in Pakistan. The Project would also improve access to socio-economic services for local communities in the project area and build WAPDA's capacity to prepare future hydropower projects. This would be achieved by installing a 2,160 MW hydropower plant on the main Indus River, which can be expanded to 4,320 MW in future at very low cost. The Project is a "high-risk-high reward" operation aimed at providing low cost non-carbon renewable energy.

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

Yes No

Component(s)

Component Name	Component Cost
Component A: Construction of the Main Hydraulic Structure on the Indus River (of which IDA \$10.0 million)	1479.70
Component B: Power Generation Facilities	1397.80
Component C: Preparatory Works (of which IDA \$183.9 million)	344.80
Component D: Transmission Line (of which IDA \$15.0 million)	350.00
Component E: Implementation of Social and Environmental Management Plans, and Glacial, Sediment River Monitoring (of which IDA \$266.5 million)	503.90
Component F: Construction Supervision, Monitoring and Evaluation of the Project Impacts and Social and Environmental Management Plans (of which IDA \$53.0 million)	99.10
Component G: Project Management Support, Capacity Building of WAPDA, Technical Assistance and Training (of which IDA \$60.0 million)	72.40

Overall Ratings

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

Implementation Status Overview

An IDA credit in the amount of SDR 379.7 million (US\$588.4 million equivalent) and an IDA partial credit guarantee in the amount of US\$460 million has been approved by the World Bank for Dasu Hydropower Stage 1 Project (DHP-I). The Credit Agreement between the government and International Development Association (IDA) was signed on August 25, 2014. The IDA credit is structured in two portions SDR 122.8 (USD 190.3 million equivalent Cr. 5497) and SDR 256.9 million (USD 398.1 million equivalent Cr. 5498). WAPDA is expected to contribute about US\$600 million to the project. The IDA credit funds would primarily be used for project supervision, implementation of social and environmental management plans, and preparatory works such as relocation of Karakoram Highway (KKH), access roads, offices and colonies. WAPDA funding would supplement the same expenditures and would be used in outer years of the project when IDA funds are used. In addition, WAPDA funds would be used to meet counterpart funds for the main works if needed. Financing for the major works i.e. main structures, and power house and diversion tunnels, as well as mechanical and electrical equipment would be raised commercially on the balance sheet of WAPDA with credit enhancement provided by the Government of Pakistan and the World Bank. DHP-I will be financed with a number of IDA Credits and Guarantees in a sequenced manner to support the commercial financing of a large public hydro power generation project. This innovative model for financing DHP-I will help Pakistan in accessing international markets as it develops a larger pipeline of hydropower projects going forward.

The project implementation is off to a very good start, with considerable progress in essential startup activities. All key positions of project management unit have been filled, contract with construction supervision consultants has been finalized, pre-qualification applications for the two major contracts – construction of the main hydraulic structure and power generation facilities – are due by October 31, 2014, and bids have already been invited for the preparatory works including one portion of Karakoram Highway (KKH) relocation, transmission line from Duber to support construction activities and construction of offices and colonies. Social program has started in the field; in particular, the Deputy Commissioner has formed a Project Management Unit (PMU) for resettlement & land acquisition and substantial surveys on the ground to mark up land property ownership has been completed.

Locations

Country	First Administrative Division	Location	Planned	Actual
Pakistan	Khyber Pakhtunkhwa	Khyber Pakhtunkhwa	✓	

Results

Project Development Objective Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Generation Capacity of Hydropower constructed or rehabilitated under the project	☒	Megawatt	Value	0.00	0.00	2160.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Generation Capacity of Hydropower constructed under the project	☒	Megawatt Sub Type Breakdown	Value	0.00	0.00	2160.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			

Annual electricity supply renewable energy annually	<input type="checkbox"/>	Gigawatt-hour (GWh)	Value	0.00	0.00	12000.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Number of additional people in the project area with improved socio-economic services	<input type="checkbox"/>	Number	Value	0.00	0.00	20000.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Number of large hydropower project on the Indus River prepared by WAPDA	<input type="checkbox"/>	Number	Value	0.00	0.00	1.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			

Intermediate Results Indicators

Indicator Name	Core	Unit of Measure		Baseline	Current	End Target
Construction of main hydraulic structure	<input type="checkbox"/>	Percentage	Value	0.00	0.00	100.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Construction of intake, waterways and power house	<input type="checkbox"/>	Percentage	Value	0.00	0.00	100.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Number of 360 MW power units installed	<input type="checkbox"/>	Number	Value	0.00	0.00	6.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Private/Commercial Capital Mobilized (cumulative figures in million)	<input type="checkbox"/>	Amount(USD)	Value	0.00	0.00	2450.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Construction of RAR KKH 1, KKH2, Power line, colonies	<input type="checkbox"/>	Percentage	Value	0.00	0.00	100.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
250 Km Double Circuit Transmission Line constructed and 100 KM. Rehabilitated	<input type="checkbox"/>	Kilometers	Value	0.00	0.00	350.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Transmission Line Rehabilitated	<input type="checkbox"/>	Kilometers Sub Type Breakdown	Value	0.00	0.00	100.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			

Transmission Line Constructed	<input type="checkbox"/>	Kilometers Sub Type Breakdown	Value	0.00	0.00	250.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Implementation of SRMP and EMP	<input type="checkbox"/>	Percentage	Value	0.00	0.00	100.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Percentage of agreed local development plan implemented	<input type="checkbox"/>	Percentage	Value	0.00	0.00	100.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Hydropower Project with detailed design, environmental and social safeguards studies completed	<input type="checkbox"/>	Number	Value	0.00	0.00	1.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			
Capacity Building of WAPDA	<input type="checkbox"/>	Percentage	Value	0.00	0.00	100.00
			Date	01-Apr-2014	30-Jun-2014	31-Dec-2021
			Comments			

Data on Financial Performance (as of 22-Sep-2014)

Financial Agreement(s) Key Dates

Project	Ln/Cr/Tf	Status	Approval Date	Signing Date	Effectiveness Date	Original Closing Date	Revised Closing Date
P121507	IDA-54970	Not Effective	10-Jun-2014	25-Aug-2014		30-Jun-2022	30-Jun-2022
P121507	IDA-54980	Not Effective	10-Jun-2014	25-Aug-2014		30-Jun-2022	30-Jun-2022
P121507	IDA-G2240	Not Effective	10-Jun-2014			30-Jun-2022	30-Jun-2022

Disbursements (in Millions)

Project	Ln/Cr/Tf	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P121507	IDA-54970	Not Effective	USD	190.30	190.30	0.00	0.00	183.85	0.00
P121507	IDA-54980	Not Effective	USD	398.10	398.10	0.00	0.00	384.61	0.00
P121507	IDA-G2240	Not Effective	USD	460.00	460.00	0.00	0.00	460.00	0.00

Disbursement Graph

Key Decisions Regarding Implementation

None

Restructuring History

There has been no restructuring to date.

Related Projects

P150756-IDA Partial Credit Guarantee for Dasu Hydropower Phase-I Project