



## Khyber Pakhtunkhwa Hydropower and Renewable Energy Development (P163461)

SOUTH ASIA | Pakistan | Energy & Extractives Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 6 | ARCHIVED on 15-Nov-2023 | ISR58210 |

Implementing Agencies: Energy and Power Department, Government of Khyber Pakhtunkhwa, Pakhtunkhwa Energy Development Organization, The Islamic Republic of Pakistan

**Key Dates****Key Project Dates**

Bank Approval Date: 24-Sep-2020

Effectiveness Date: 11-Jan-2021

Planned Mid Term Review Date: 30-Apr-2024

Actual Mid-Term Review Date:

Original Closing Date: 30-Nov-2027

Revised Closing Date: 30-Nov-2027

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The Project Development Objectives are to increase renewable energy generation and strengthen the capacity of associated institutions in Khyber Pakhtunkhwa.

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

No

**Components Table**

Name

Development of Hydropower and Renewable Energy Investments:(Cost \$594.00 M)

Institutional Strengthening and Energy Sector Development:(Cost \$25.00 M)

Environment and Social Management:(Cost \$59.00 M)

Project Implementation Support and Technical Assistance:(Cost \$30.00 M)

Financing Charges on the IBRD Loan (Front-end fee, Interest, Commitment & Other Charges):(Cost \$15.00 M)

Refund of Preparation Advance:(Cost \$4.00 M)

**Overall Ratings**

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Implementation Progress (IP)	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

**Implementation Status and Key Decisions**

Khyber Pakhtunkhwa Hydropower and Renewable Energy Development Project (KHRE) was declared effective on January 11, 2021, to undertake investments in renewable energy (RE) projects and prepare a portfolio of RE projects for future investments. The unfortunate floods in August 2022 followed by a prolonged snow season in the project areas and lack of participation in the bidding have delayed project implementation.



The project is now back on track as procurement of four large contracts -- two for the construction of Gabral Kalam Hydropower (GKHPP, first investment under KHRE) and two for Madyan Hydropower (MHPP, second investment under KHRE) -- is underway and likely to be awarded within this fiscal year.

While these larger contracts of about US\$ 600 million are at the earlier bidding stage, the construction of the GKHPP colony and offices and Planning Consultancy assignment are progressing well and on track. Project Implementation Consultants (PIC) are also helping PEDO to finalize the detailed design including environmental and social documents and carry out the bidding process for MHPP. Land acquisition for GKHPP Weir and Powerhouse sites is in progress.

**Risks**

**Systematic Operations Risk-rating Tool**

Risk Category	Rating at Approval	Previous Rating	Current Rating
Political and Governance	☐ Moderate	☐ Moderate	☐ Moderate
Macroeconomic	☐ Substantial	☐ Substantial	☐ Substantial
Sector Strategies and Policies	☐ Moderate	☐ Moderate	☐ Moderate
Technical Design of Project or Program	☐ Moderate	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Substantial	☐ Substantial
Fiduciary	☐ Substantial	☐ Substantial	☐ Substantial
Environment and Social	☐ Substantial	☐ Substantial	☐ Substantial
Stakeholders	☐ Substantial	☐ Substantial	☐ Substantial
Other	--	--	--
Overall	☐ Substantial	☐ Substantial	☐ Substantial

**Results**

**PDO Indicators by Objectives / Outcomes**

Increase renewable energy generation				
▶ Increase in renewable energy generation (Gigawatt-hour (GWh), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,100.00
Date	30-Jun-2020	31-Dec-2022	30-Jun-2023	30-Jun-2028
Comments:	Sum of (i) GKH: 339 GWh; (ii) Madyan HPP: 742 GWh; and (iii) Solar PV: 19 GWh			



Strengthen the capacity of associated institutions in KP				
<b>► Mobilization of commercial financing (Amount(USD), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	185,000,000.00
Date	30-Jun-2020	31-Dec-2022	30-Jun-2023	30-Jun-2027
Comments:	All sources: ECAs, loans, sukuks, bonds, PPP etc.			
<b>► RE projects prepared for investments (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	30-Jun-2020	31-Dec-2022	30-Jun-2023	30-Jun-2027
Comments:	Number of RE projects prepared by the Planning Consultants			

**Intermediate Results Indicators by Components**

Development of Hydropower and Renewable Energy Investments - Component A				
<b>► Generation capacity of energy constructed or rehabilitated (Megawatt, Corporate)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	255.00
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
<b>☐ Hydropower generation capacity constructed under the project (Megawatt, Corporate Breakdown)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	245.00
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
<b>☐ Renewable energy generation capacity (other than hydropower) constructed under the project (Megawatt, Corporate Breakdown)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027



Institutional Strengthening and Energy Sector Development - Component B				
▶ Engagement of Planning Consultants (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	EOIs Received	Contract awarded	Consultants have mobilized and have submitted the inception report.	100 percent of studies completed.
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
▶ Engagement of Management Support Consultants (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	EOIs Received	Under negotiations after opening of financial proposals in Sep	Likely to be cancelled after unsuccessful negotiation with the 1st and 2nd ranked firms and in lieu PEDO will be engaging individual consultants for this work.	Constant support
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
▶ Percentage of total female staff in PEDO (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.60	2.40	2.40	15.00
Date	31-Dec-2019	31-Dec-2022	31-Dec-2022	30-Jun-2027
Comments:	Target ratio for total female staff in PEDO and project offices.			

Environment and Social Management - Component C				
▶ Implementation of Resettlement Action Plan (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	10.00	10.00	100.00
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
Comments:	(i) payment of compensation & allowances to AHs; (ii) implementation of SDP including GAP; and (iii) a functional GRM.			
▶ Implementation of Environmental and Social Management Plan (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	0.00	0.00	0.00	100.00
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
Comments:	As described in ESMP			
<b>► Schemes directly benefiting women (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2026
Comments:	No. of schemes on cumulative basis. Particularly to create business opportunities for female enterprises in the project area			
<b>► Affected persons participating in consultations who consider their suggestions have been taken into account. (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	40.00
Date	30-Jun-2020	30-Jun-2022	30-Jun-2022	30-Jun-2027
Comments:	Minimum percentage to be maintained throughout for all investments under KHRE.			
<b>► Grievances redressed/resolved (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	70.00
Date	30-Jun-2020	31-Dec-2022	31-Dec-2022	30-Jun-2027
Comments:	Minimum percentage to be maintained throughout for all investments under KHRE.			

**Project Implementation Support and Technical Assistance - Component D**

**► Engagement of Project Implementation Consultant (Text, Custom)**

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	EOIs received	PIC is providing implementation support to PMO.	PIC is providing implementation support to PMO.	Effective execution of projects
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
<b>► Develop and implement training program (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	No formal training program exist.	Not commenced	Not commenced	Training program fully implemented.
Date	30-Jun-2020	31-Dec-2022	30-Sep-2023	30-Jun-2027
Comments:	MSC will support PEDO in developing and implementing the training program including workshops, seminars, certificates, study tours, apprenticeships and degree programs.			

### Performance-Based Conditions

#### Data on Financial Performance

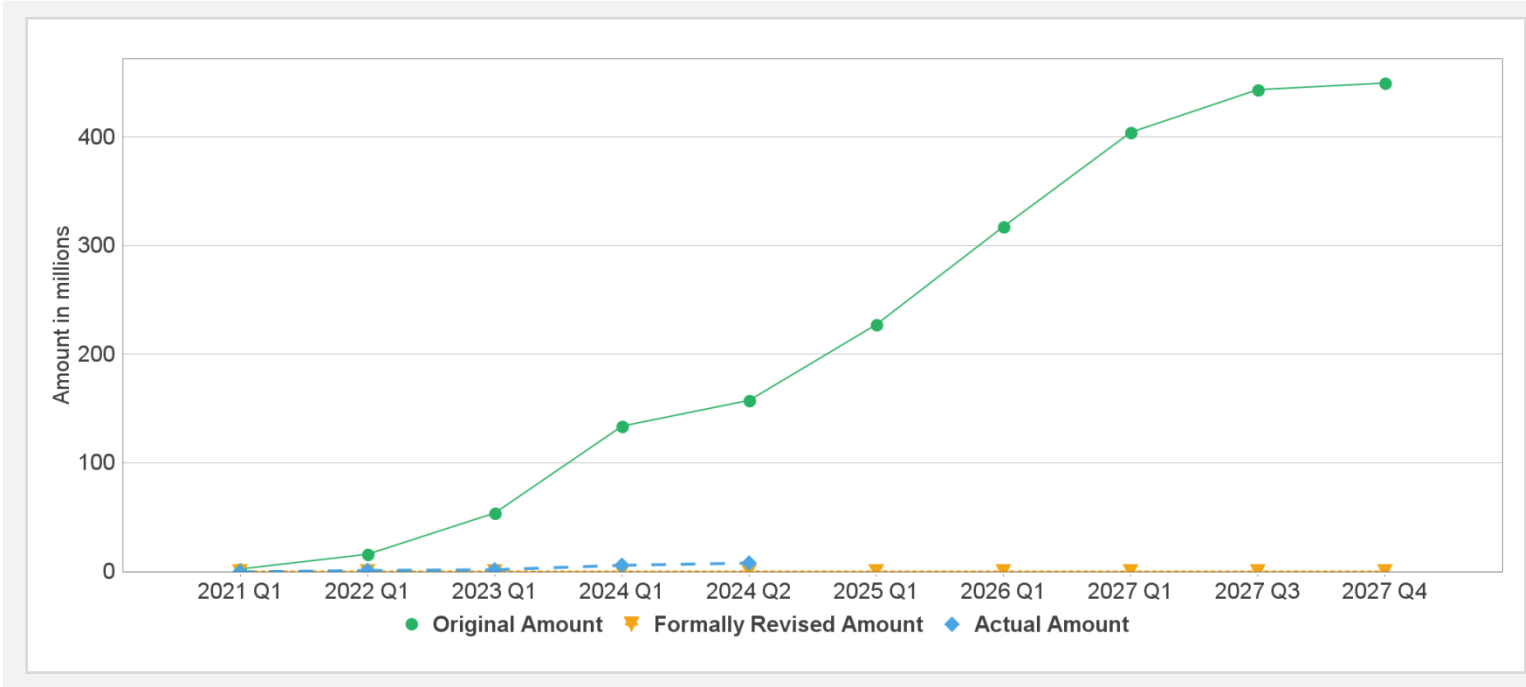
##### Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P163461	IBRD-91640	Effective	USD	200.00	200.00	0.00	0.50	199.50	0.3%
P163461	IDA-67790	Effective	USD	250.00	250.00	0.00	8.06	224.22	3.5%

##### Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P163461	IBRD-91640	Effective	24-Sep-2020	15-Oct-2020	11-Jan-2021	30-Nov-2027	30-Nov-2027
P163461	IDA-67790	Effective	24-Sep-2020	15-Oct-2020	11-Jan-2021	30-Nov-2027	30-Nov-2027

### Cumulative Disbursements



**Restructuring History**

There has been no restructuring to date.

**Related Project(s)**

There are no related projects.