



## PK Sindh Water Sector Improvement Project Phase I (P084302)

SOUTH ASIA | Pakistan | Water Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2008 | Seq No: 23 | ARCHIVED on 28-Mar-2019 | ISR36196 |

Implementing Agencies: Sindh Irrigation and Drainage Authority (SIDA), Government of Sindh

### Key Dates

#### Key Project Dates

Bank Approval Date: 18-Sep-2007

Effectiveness Date: 26-Dec-2007

Planned Mid Term Review Date: 31-Mar-2014

Actual Mid-Term Review Date: 03-Feb-2014

Original Closing Date: 30-Apr-2013

Revised Closing Date: 31-Dec-2019

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The overarching project objective is to improve the efficiency and effectiveness of irrigation water distribution in three AWBs (Ghotlu, Nara and Left Bank), particularly with respect to measures of reliability, equity and user satisfaction. This would be achieved by: (a) deepening and broadening the institutional reforms that are already underway in Sindh; (b) improving the irrigation system in a systematic way covering key hydraulic infrastructure, main and branch canals, and distributaries and minors; and (c) enhancing long-term sustainability of irrigation system through participatory irrigation management and developing institutions for improving operation and maintenance of the system and cost recovery. The improved water management would lead to increased agricultural production, employment and incomes over some about 1.8 million ha or more than 30 percent of the irrigated area in Sindh, and one of the poorest regions of the country.

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

No

### Components

Name

Component A: Community Development and Capacity Building:(Cost \$10.00 M)

Component B: Rehabilitation and Improvement of Irrigation and Drainage System:(Cost \$137.80 M)

Component C: Management Plans for Major Irrigation & Drainage:(Cost \$12.00 M)

Component D: Monitoring and Evaluation of the Project Impact and Environmental Management Plan:(Cost \$4.20 M)

Component E - Project Coordination, Monitoring, Technical Assistance and Training:(Cost \$11.00 M)

### Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	● Moderately Satisfactory	● Moderately Satisfactory
Overall Implementation Progress (IP)	● Satisfactory	● Satisfactory
Overall Risk Rating	● Moderate	● Moderate

### Implementation Status and Key Decisions



The project has made progress towards achieving its development objective and implementation is generally satisfactory. □ Major civil works have been completed. As a result of good competition, about US\$20 million of project savings have been realized. There is no cost overrun and no major environmental and social safeguards are encountered. □

Project implementation is in compliance with the legal covenants

The closing date has been extended by 12 months to December 31, 2019 to support the GoSindh to develop a draft Sindh Water Policy and prepare for a follow up project.



## Risks

### Systematic Operations Risk-rating Tool

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

## Results



**PDO Indicators by Objectives / Outcomes**

improve the efficiency and effectiveness of irrigation water distribution				
►Efficiency: Evidence of increased channel conveyance efficiency of the distributary / minor canals, watercourses, farms, and reduced discharges of drainage water. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	The baseline M&E initial report based on farmers# perception survey indicates overall 52 % system#s conveyance efficiency: Detail is as below:  - Distributaries and minors at 83%  - Watercourses at 80%  - Farms at 78%  - overall at 52%	--	85%	77%
Date	31-May-2011	31-Jul-2018	01-Mar-2019	31-Dec-2019
►Equity: Percentage of farmers receiving same level of water services (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Farmers' perception survey indicates equity of distribution as:  - Head watercourses at 52% - Middle watercourse at 40% - Tail watercourses at 27%	--	85%	77%
Date	31-May-2011	31-Jul-2018	01-Mar-2019	31-Dec-2019
►Reliability: Percentage of farmers received water at promised time and in promised quantity (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Farmers# perception survey indicates overall 39.40 % reliability: 42.23 % during rabi and 39.24 % during kharif seasons.	--	59%	60.00
Date	31-May-2011	31-Jul-2018	01-Mar-2019	31-Dec-2019
►User Satisfaction: Improved user satisfaction with respect to water distribution practices, as shown in sample surveys conducted before and after project activities in each AWB. (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	Overall user satisfaction is reported at 48%. The detail by AWB includes: - Ghotki AWB 60% - Nara AWB 45% - Left Bank 48%	--	57%	78 percent
Date	31-May-2011	31-Jul-2018	01-Mar-2019	31-Dec-2019
<b>►Area provided with new/improved irrigation or drainage services (Hectare(Ha), Corporate)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,170,000.00	1,300,000.00	1,300,000.00	1,837,000.00
Date	01-Oct-2014	01-Oct-2018	20-Mar-2019	31-Dec-2019
Comments:	The target would be achieved when the on-going contracts are completed - scheduled beginning of December 2018.			
<b>▲Area provided with improved irrigation or drainage services (Hectare(Ha), Corporate Breakdown)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,170,000.00	1,300,000.00	1,300,000.00	1,837,000.00
Date	01-Oct-2014	01-Oct-2018	20-Mar-2019	31-Dec-2019
<b>►Project beneficiaries (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	390,000.00	390,000.00	390,000.00	612,000.00
Date	01-Oct-2014	01-Oct-2018	20-Mar-2019	31-Dec-2019
Comments:	Facilities constructed under the project have just been completed. This indicator will be updated after observation on irrigation practices in 2019.			

### Intermediate Results Indicators by Components

<b>Community Development &amp; Capacity Building</b>				
<b>►Distributaries and minors improved by FOs in the project area (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	128.00
Date	31-Dec-2007	31-Jul-2018	01-Mar-2019	31-Dec-2019
<b>►Number of FOs carrying out distributary canal level improvements and O&amp;M (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	369 FOs existed of which this project was to strengthen 269 FOs while remaining 100 are covered under Sindh OFWM	--	345.00	345.00
Date	31-Dec-2007	31-Jul-2018	01-Mar-2019	31-Dec-2019
▶Evidence of Improved O&M and collection of abiana and increased budget for O&M of the I&D system in participating FOs and AWBs (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	80.00	80.00	80.00
Date	01-Oct-2014	01-Oct-2018	01-Mar-2019	31-Dec-2019

### Rehabilitation and Improvement of Irrigation and Drainage System

▶Number of main and branch canals, distributaries and minors improved. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2 main and branch canals, and 37 distributary	--	19 main & branch canals 101 distributaries	5 main & branch canals and 46 distributaries
Date	01-Oct-2010	31-Jul-2018	01-Mar-2019	31-Dec-2019
▶Percentage of planned rehabilitation works satisfactorily completed (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	82.00	82.00	100.00
Date	01-Oct-2014	01-Oct-2018	01-Mar-2019	31-Dec-2019

### Management Plan for Major Irrigation and Drainage Infrastructure

▶Feasibility study for rehabilitation of the Gudu and Sukkur barrages is completed. (Text, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	NA	--	100% completed	100 percent completed
Date	31-Dec-2007	31-Jul-2018	01-Mar-2019	31-Dec-2019
▶Preparation for the feasibility studies for the new project completed (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	There is no Feasibility Study for Right Bank canals	--	Not yet started	Completed
Date	09-Nov-2018	09-Nov-2018	01-Mar-2019	31-Dec-2019



► Feasibility Study for Modernization of I&D infrastructure completed (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	There is no Feasibility Study for Modernization of I&D infrastructure	--	Not yet started	Completed
Date	09-Nov-2018	09-Nov-2018	01-Mar-2019	31-Dec-2019
► Master Plan for addressing the storm drainage and floods on the left bank of Indus and for Indus delta and coastal zone prepared (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Not started	--	Prepared	Prepared
Date	31-Dec-2007	09-Nov-2018	01-Mar-2019	31-Dec-2019

Project Coordination, Monitoring and Technical Assistance and Training				
► Project Coordination, Monitoring, Technical Assistance implemented (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	NA	--	Complied with	100 percent completed
Date	31-Dec-2007	31-Jul-2018	01-Mar-2019	31-Dec-2019
► The draft Sindh Water Policy prepared (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	There is no water policy focusing on integrated water resources management	--	background documents being prepared	The draft Water Policy prepared
Date	09-Nov-2018	09-Nov-2018	01-Mar-2019	31-Dec-2019
► The Institutional Assessment Report prepared (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	There is no Institutional Assessment Report	--	Not yet started	Institutional Assessment Report prepared
Date	01-Mar-2019	09-Nov-2018	01-Mar-2019	31-Dec-2019

## Data on Financial Performance

### Disbursements (by loan)

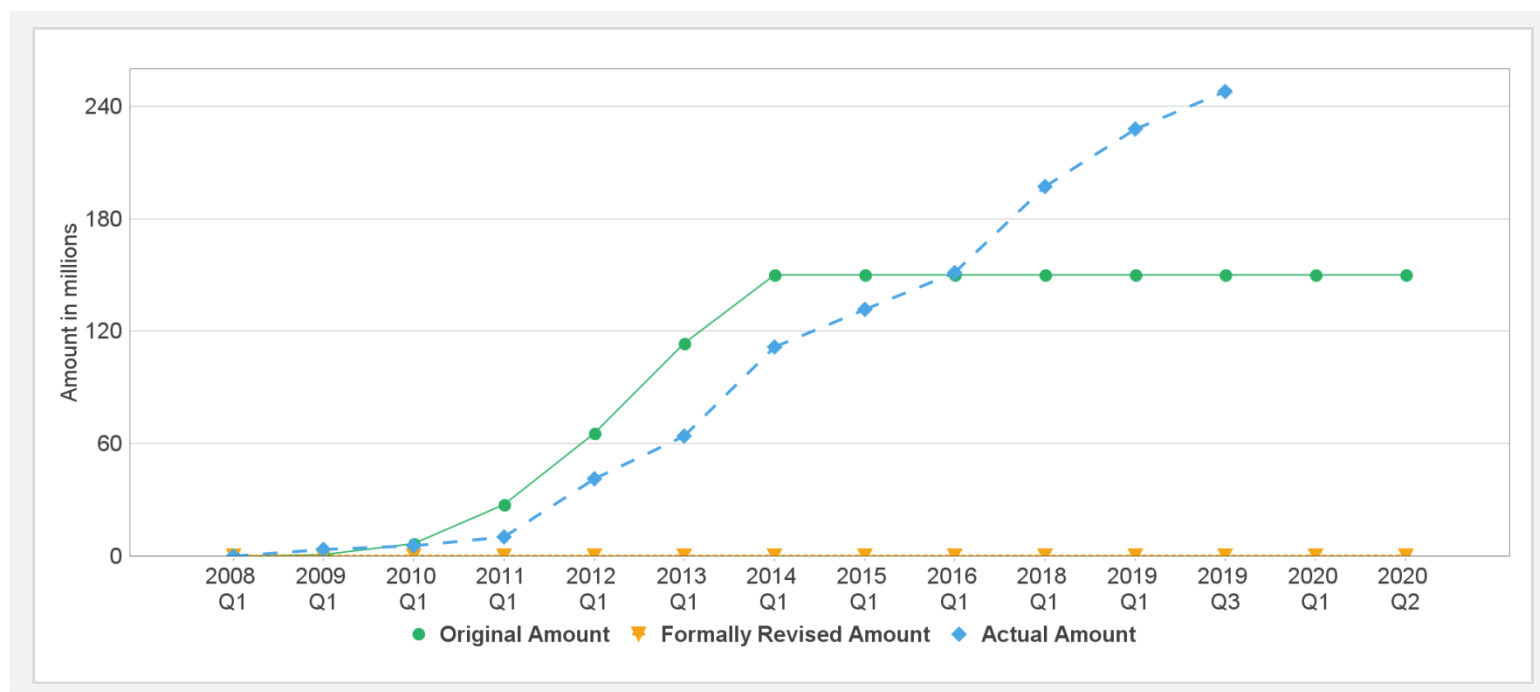


Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P084302	IDA-43580	Closed	USD	150.20	145.00	5.20	147.58	0.00	100%
P084302	IDA-55560	Effective	USD	138.00	138.00	0.00	100.19	29.56	77%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P084302	IDA-43580	Closed	18-Sep-2007	05-Oct-2007	26-Dec-2007	30-Apr-2013	28-Feb-2015
P084302	IDA-55560	Effective	16-Dec-2014	11-Mar-2015	07-May-2015	31-Dec-2018	31-Dec-2019

**Cumulative Disbursements**



**Restructuring History**

Level Approved on 16-Sep-2014 ,Level 2 Approved on 28-Sep-2014 ,Level 2 Approved on 30-Nov-2018

**Related Project(s)**

P131325-PK Additional Financing for Sindh Water Sector Improvement Phase 1