Public Disclosure Authorized

IN Uttar Pradesh Water Sector Restructuring Project Phase 2 (P122770)

SOUTH ASIA | India | Water Global Practice |
IBRD/IDA | Investment Project Financing | FY 2014 | Seq No: 11 | ARCHIVED on 08-Jan-2019 | ISR35006 |

Implementing Agencies: Uttar Pradesh Irrigation Department, GoUP, Lucknow, Department of Economic Affairs, Ministry of Finance, Government of India

Key Dates

Key Project Dates

Bank Approval Date: 28-Aug-2013
Effectiveness Date: 10-Dec-2013
Planned Mid Term Review Date: 31-Mar-2017
Actual Mid-Term Review Date: 17-Apr-2017
Original Closing Date: 31-Oct-2020
Revised Closing Date: 31-Oct-2020

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development objectives are to strengthen the institutional and policy framework for integrated water resources management for the entire State and increase agricultural productivity and water productivity by supporting farmers in targeted irrigation areas.

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

No

Components

Name
Component A: Strengthening of State-Level Water Institutions and Inter-Sector Coordination:(Cost $15.00 M)
Component B: Modernization and Rehabilitation of Irrigation and Drainage System:(Cost $326.00 M)
Component C: Consolidation and Enhancement of Irrigation Institutional Reforms:(Cost $42.00 M)
Component D: Enhancing Agriculture Productivity and On-Farm Water Management:(Cost $32.00 M)
Component E: Feasibility Studies and Preparation Activities for the Next Phase:(Cost $2.00 M)
Component F: Project Coordination and Monitoring:(Cost $23.00 M)

Overall Ratings

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

Implementation Status and Key Decisions

Project implementation has been slow since July 2017 mainly because of the suspension of civil works on the Parallel Lower Ganga Canal (PLGC). This is the result of cost overruns and insufficient allocation of GoUP counterpart funds. To resolve the slow progress, the GoUP has requested the World Bank to restructure the project to allocate adequate IDA resources and GoUP counterpart funds to the PLGC civil works and amend the project's Results Framework. The World Bank is currently processing this request.

Good progress in the implementation of the project is taking place on (a) the completion of irrigation rehabilitation works in Sarda Sahayak; (b) participatory irrigation management (PIM) activities, (c) preparation of a flood-management information system; and (d) upgrading of the existing groundwater monitoring system. Compliance with World Bank safeguards policies has been strengthened by holding a two-day safeguards workshop for key Implementing Agencies and contractors, and by improving the conditions of labor camps and reporting on gender-based violence.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Strengthen institutional & policy framework for integrated water resources management for UP state

►Operational water user associations created and/or strengthened (number) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	51.00	115.00	900.00
Date	01-Oct-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	This indicator measures the number of water user associations created and/or strengthened under the project that are operational.			

►River Basin Assessments and Plans Completed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	--	1.00	5.00

Date	01-Oct-2013	--	21-Nov-2018	01-Oct-2020

Increase agricultural and water productivity by supporting farmers in targeted irrigated areas

▸Increase in crop yields in project areas (Rice) (Tones/year, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.90	3.34	3.67	4.30
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	In Ton/ha.			

◢Increase in crop yields in project areas: Wheat (Tones/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.50	2.81	3.27	3.80
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020

◢Increase in crop yields in project areas: Pulses (Tones/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.50	0.53	0.53	0.85
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020

◢Increase in crop yields in project areas: Oilseed (Tones/year, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.75	0.82	0.82	1.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020

▸Percentage increase of agricultural output in the project areas (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	18.27	35.80	50.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	The contribution of each product to the total production will be valued using constant prices from the baseline. This indicator captures agricultural output increases from increases in yield, cropping intensity, and changes in cropping pattern.			

▸Percentage increase in system-wide water use productivity in project areas (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	11.70	11.70	30.00
Date	01-Jul-2013	19-Mar-2018	28-Nov-2017	30-Jun-2020

Intermediate Results Indicators by Components

Component A: Strengthening of State-Level Water Institutions and Inter-Sector Coordination

▸Improved Knowledge base and analytical capacity for integrated water resources management (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.86	0.88	1.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	30-Jun-2020
Comments:	Unit: Integrated water information data system developed and operational. Software installed and operative. Staff trained to operate, maintain and improve software systems. Data entered in the system.			

▸Improved flood forecasting capacity for the Rapti Basin (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.37	0.47	1.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	Annual flood reports accepted by GoUP. SWARA will monitor the dissemination of the outputs from the flood forecasting system to assess suitability to broader disaster risk management communities.			

▸Engineers trained on modern participatory approaches at WALMI (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	588.00	791.00	1,030.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	Feedback surveys will also be conducted to evaluate effectiveness of these trainings.			

Component B: Modernization and Rehabilitation of Irrigation and Drainage System

▸Improved area provided with irrigation and drainage services (ha) (Hectare(Ha), Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	104,461.00	122,461.00	394,795.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	This indicator measures the total improved area of land provided with irrigation and drainage services under the project in hectare.			

▸Water users provided with new/improved irrigation and drainage services (number) (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	128,487.00	150,787.00	485,598.00

Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	This indicator measures the number of water users who are provided with irrigation and drainage services under the project.			

▲Water users provided with irrigation and drainage services - female (number) (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	463.00	463.00	29,000.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020

►Percentage reduction in area with water logging problems (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	34.11	40.00	75.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	The indicator is assessed for Haidergarh area. Revised in Nov 2018 based on RSAC remote sensing data.			

►Increase in irrigation intensity (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	59.00	73.41	73.41	75.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	Defined as the ratio of gross irrigated area (sum for all three cropping seasons) to designed irrigated area in phase 2 areas			

►Groundwater management plan prepared (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.34	0.34	1.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	Including conjunctive use plan.			

Component C: Consolidation and Enhancement of Irrigation Institutional Reforms

►PIM support cells established within UPID (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	21.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	Defined as total PIM and WUA support cells in place and adequately staffed. Skills mix required at the divisional PIM cells are identified in the PAD.			

▸Performance monitoring system of UPID engineers in place in phase 1 area and utilized (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	1.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	Definition of performance metrics for UPID engineers (such as actual water delivery versus planned roster), monitoring of these metrics, and use being made of the information. May be evaluated at mid-term and expanded at MTR.			

▸Percentage increase in WUAs assessing service delivery by UPID as satisfactory in phase 1 project area (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	30-Jun-2020
Comments:	During MTR, it will be assessed whether UPID service in phase 2 areas could also be monitored, on the basis of established and functional WUAs.			

▸Percentage of water users associations (minor level) with transfer of O&M funds (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	52.60	0.00	11.00	80.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	O&M funds are to be transferred from UPID to WUAs.			

Component D: Enhancing Agriculture Productivity and On-Farm Water Management

▸Farmer Water Schools established (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,400.00	1,400.00	4,000.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	Farmer Water Schools established and functioning. This indicator includes FWS fully funded by the project, both primary and secondary.			

▸Clients who have adopted an improved agr. technology promoted by the project (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	45,000.00
Date	01-Jul-2013	19-Mar-2018	23-Nov-2018	31-Oct-2020
Comments:	This indicator measures the number of clients of the project who have adopted an improved agricultural technology promoted by the project.			

Data on Financial Performance

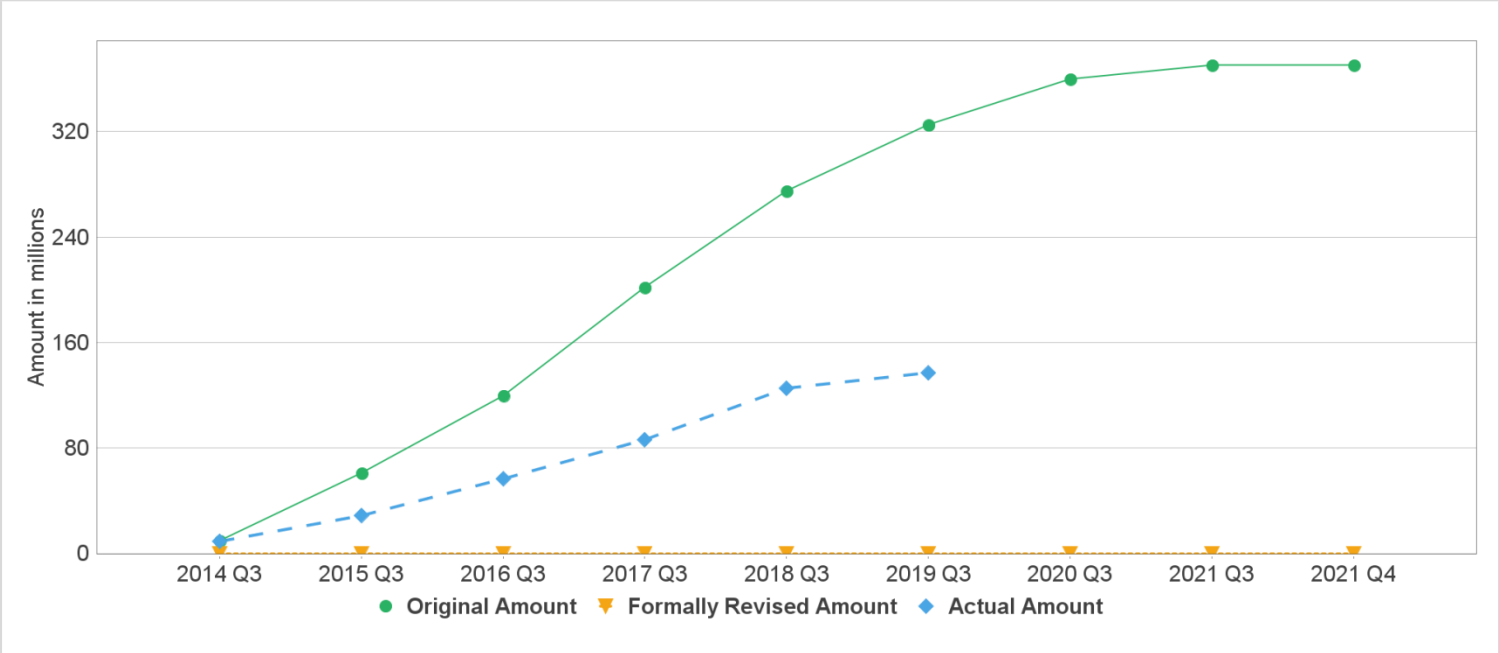
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P122770	IDA-52980	Effective	USD	360.00	360.00	0.00	136.80	197.27	41%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P122770	IDA-52980	Effective	28-Aug-2013	24-Oct-2013	10-Dec-2013	31-Oct-2020	31-Oct-2020

Cumulative Disbursements



Restructuring History

There has been no restructuring to date.

Related Project(s)

There are no related projects.