



## Bihar Kosi Basin Development Project (P127725)

SOUTH ASIA | India | Urban, Resilience and Land Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 8 | ARCHIVED on 29-Jun-2020 | ISR41863 |

Implementing Agencies: Bihar Apada Punarwas Evam Punarnirman Society (BAPEPS), Republic of India, Water Resources Department (WRD), Bihar Rajya Pul Nirman Nigam Limited (BRPNL), Rural Works Department (RWD), Animal and Fisheries Resources Department (AFRD)

### Key Dates

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Bank Approval Date: 08-Dec-2015

Effectiveness Date: 17-Mar-2016

Planned Mid Term Review Date: 21-Oct-2019

Actual Mid-Term Review Date: 18-Nov-2019

Original Closing Date: 31-Mar-2023

Revised Closing Date: 31-Mar-2023

### Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objective is to enhance resilience to floods and increase agricultural production and productivity in the targeted districts in the Kosi River Basin, and to enhance Bihar's capacity to respond promptly and effectively to an eligible crisis or emergency.

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

Yes

Board Approved Revised Project Development Objective (If project is formally restructured)

The project development objective is to enhance resilience and connectivity to minimize impacts from floods in the Targeted Districts in the Kosi River Basin and to enhance Bihar's capacity to respond promptly and effectively to an Eligible Crisis or Emergency.

### Components Table

Name
Improving Flood Risk Management:(Cost \$100.00 M)
Enhancing Agricultural Productivity and Competitiveness:(Cost \$24.50 M)
Augmenting Connectivity:(Cost \$173.00 M)
Contingent Emergency Response
Implementation Support:(Cost \$12.00 M)

### Overall Ratings

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

### Implementation Status and Key Decisions

The project was restructured in May 2020, to drop the agriculture sub-component and cancel unused funds. The project has now disbursed approximately 44 percent (US\$ 90 million out of US\$ 206 million Bank financing), almost all contracts are awarded, and the project is on track to achieve its Project Development Objective.



### Component 1: Improving flood risk management

The objective of this component is to increase the capacity of the Water Resources Department (WRD) to manage flood risk and to decrease vulnerability to floods in the Kosi River Basin. Moderate progress has been made on the structural works.

### Component 2: Enhancing Agricultural Productivity and Competitiveness

The objective of this component is to increase agricultural production and productivity by expanding access to and adoption of innovative and climate resilient farm technologies and practices and extending their linkages to market infrastructure. The activities managed by Department of Agriculture have been dropped from the component. For the schemes linked with the Fisheries Department, 61.5% of physical progress has been made in status of beneficiary selection and project approval; 26%, 8.8% and 5.5% in terms of first, second and final tranches respectively provided to beneficiary. Overall, 7.5% of financial progress is observed at the time of mission.

### Component 3: Augmenting Connectivity

The objective is to improve farmers' access to markets through the expansion of the local road network that connects rural roads to the main road network that improves connectivity of habitations to the market centers. Progress of road and bridges are summarized as below:

**Road Work:** All 30 packages covering 86 schemes with total contract amount of Rs.4,095.2 million, under sub-component 'construction of roads' has been already awarded. 76.74% road works were reported as substantially completed (66 out of 86 road works). 5 works are either yet to start or stopped for more than a year. Financial progress of 82.44% is reported/achieved at the end of May 2020.

**Bridges:** Total 41 packages covering 58 schemes with total contract amount of Rs.4,865.60 million, are planned. All 41 packages have been already awarded. 63.80% of the packages was reported as substantially completed (37 out of 58 Bridges). Financial progress of 86.80% is reported/achieved at the end of May 2020.

## Risks

### Systematic Operations Risk-rating Tool

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

## Results

### PDO Indicators by Objectives / Outcomes



Enhance resilience to floods				
► Area protected by improved flood protection measures (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	700.00	4,500.00
Date	30-Jun-2015	14-Jun-2019	12-Jun-2020	30-Sep-2022
Comments:	2 structural works are currently undergoing while one structural work has signed a contract in September but the progress is slower than originally planned. The interim figure on agricultural land protected was estimated based on 68% physical progress under the package 1C and 83% physical progress under the Package 2.			

### Overall Comments

The project revised the results framework as part of the recent restructuring in May 2020, following the change of priorities and decision made by the Government of Bihar on the Component 2: Enhancing Agricultural Productivity and Competitiveness to drop out the activities associated with the Department of Agriculture.

### Intermediate Results Indicators by Components

Improving Flood Risk Management				
► Km of embankment strengthened (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	8.00	16.00	45.00
Date	30-Jun-2015	14-Jun-2019	12-Jun-2020	30-Sep-2022
Comments:	2 structural works are currently undergoing while one structural work has signed a contract in September, but progress is slower than originally planned. The interim figure on agricultural land protected was estimated based on 68% physical progress under the package 1C and 83% physical progress under the Package 2.			

Enhancing Agricultural Productivity and Competitiveness				
► Direct project beneficiaries (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	50,000.00	50,000.00	50,000.00	7,000,000.00
Date	30-Jun-2015	14-Jun-2019	14-Jun-2019	30-Sep-2022



Comments:	Due to the mission restrictions on field visits, there was no follow up to properly update the figure. This needs to be revisited at the time of next mission.			
<input type="checkbox"/> Female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	46.00	46.00	46.00	46.00
<input type="checkbox"/> Farmers organized in FIGs (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	10.00	12.00	12.00	35.00
Date	30-Jun-2015	14-Jun-2019	14-Jun-2019	30-Sep-2022
Comments:	The indicator and its target should be reviewed at the next mission, as it was not adequately reviewed due to the restriction of the field visits.			
<input type="checkbox"/> Female FIG Farmers (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.00	2.00	2.00	10.00
<input type="checkbox"/> Farmers who have adopted an improved agriculture technology promoted by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	98.00	3,000.00
Date	30-Jun-2015	14-Jun-2019	12-Jun-2020	30-Sep-2022
Comments:	The end target has been revised as part of the project restructuring.			
<input type="checkbox"/> Farmers who have adopted an improved agriculture technology promoted by the project - female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1,500.00
Date	30-Jun-2015	14-Jun-2019	22-Nov-2019	30-Sep-2022
<b>Augmenting Connectivity</b>				
<input type="checkbox"/> New bridges constructed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	25.00	37.00	58.00



Date	30-Jun-2015	14-Jun-2019	12-Jun-2020	30-Sep-2022
<b>► Roads constructed, Rural (Kilometers, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	150.26	200.00	400.00
Date	30-Jun-2015	14-Jun-2019	12-Jun-2020	30-Sep-2022
<b>► People with access to linking roads and bridges in good and fair condition (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50,000.00	50,000.00	7,000,000.00
Date	30-Jun-2015	14-Jun-2019	14-Jun-2019	30-Sep-2022
Comments:	Due to the restrictions on field visits, the figures were not be able to be updated. The IAs need to conduct a field survey to estimate the figure as per the progress made under the Component 3. TPQA is currently assisting IAs in preparing the survey plan and update the results by the next supervision mission.			
<b>► Share of rural population, women farmers and socially excluded farmers, with access to an all-season road (Percentage, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	25.00
Date	30-Jun-2015	14-Jun-2019	14-Jun-2019	30-Sep-2022
Comments:	Due to the restrictions on field visits, the figures were not able to be updated. IAs need to conduct a field survey, supported by TPQA and will update by the next supervision mission.			

Contingent Emergency Response				
<b>► WRD staff trained to use flood management technologies (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	20.00	20.00	200.00
Date	30-Jun-2015	14-Jun-2019	22-Nov-2019	30-Sep-2022
Comments:	No update due to restrictions on field visits. The indicator to be updated at next supervision mission.			

### Overall Comments

Following the decision made by the Government of Bihar to scale down the Component 2: Enhancing Agricultural Productivity and Competitiveness, the corresponding intermediate-results indicators have been dropped accordingly.



Performance-Based Conditions

Data on Financial Performance

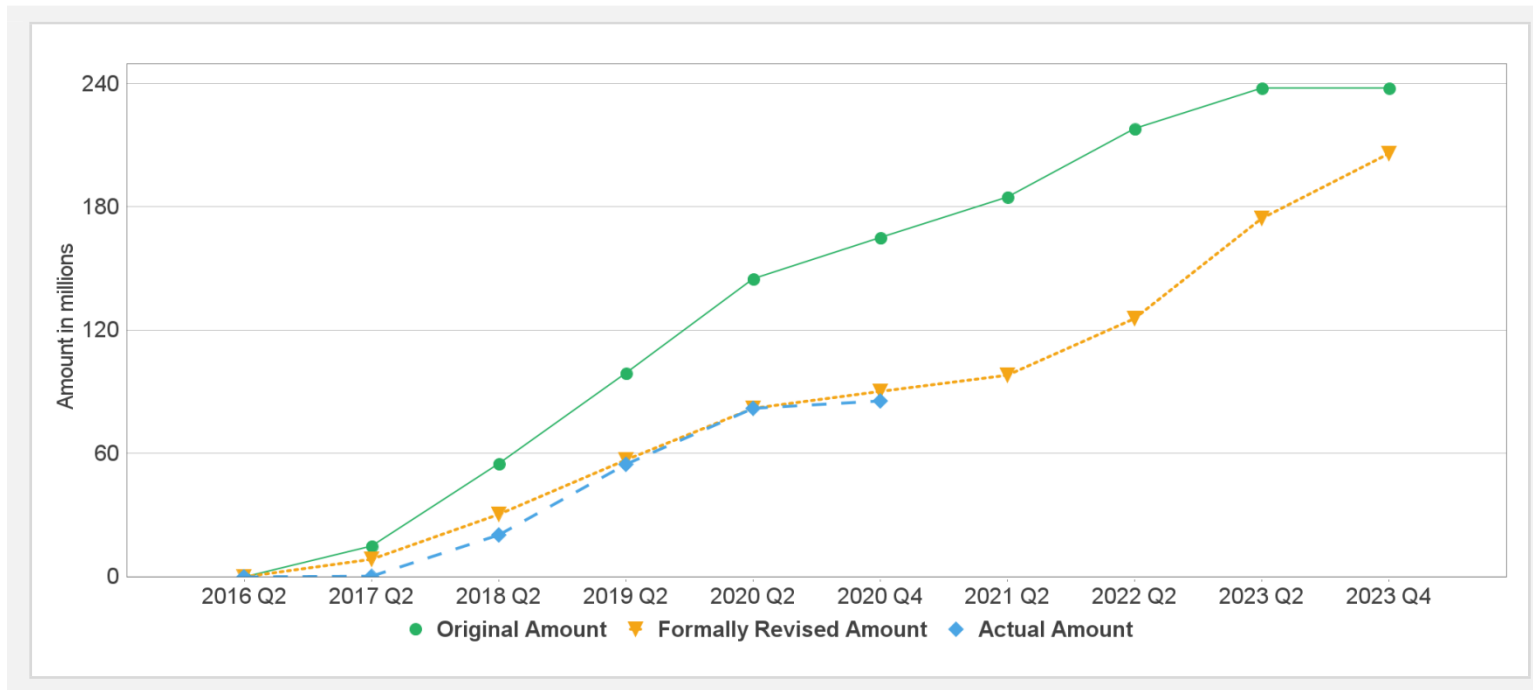
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P127725	IDA-56960	Effective	USD	250.00	206.00	44.00	85.53	120.47	42%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P127725	IDA-56960	Effective	08-Dec-2015	20-Jan-2016	17-Mar-2016	31-Mar-2023	31-Mar-2023

Cumulative Disbursements



PBC Disbursement

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC
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### **Restructuring History**

Level 1 Approved on 26-May-2020 ,Level 2 Approved on 01-Jun-2020

### **Related Project(s)**

There are no related projects.

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