



Bihar Kosi Basin Development Project (P127725)

SOUTH ASIA | India | IBRD/IDA | Investment Project Financing (IPF) | FY 2016 | Seq No: 17 | Archived on 26-Mar-2025 | ISR03583

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

1. OBJECTIVE

1.1 Development Objective

Original Development Objective (Approved as part of Approval package on 08-Dec-2015)

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.

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

Yes

Current Development Objective (Approved as part of Restructuring package Seq. 1 on 01-Jun-2020)

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.

2. COMPONENTS

Name

Implementation Support:(Cost 4,750,000.00)

Livelihood Diversification and Value Chain Development:(Cost 10,750,000.00)

Augmenting Connectivity:(Cost 95,080,000.00)

Contingent Emergency Response:(Cost 0.00)

Improving Flood Risk Management:(Cost 67,420,000.00)

3. OVERALL RATINGS



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

4. KEY ISSUES & STATUS

4.1 Implementation Status and Key Decisions

The project is scheduled to close on March 27, 2025, after more than nine years of implementation. During this period, it has successfully built substantial institutional capacity within the Water Resources Department (WRD), the Animal and Fisheries Resources Department (AFRD), the Bihar Rajya Pul Nirman Nigam Limited (BRPNNL), and the Rural Works Department (RWD). This enhanced capacity will help sustain, maintain, and advance the initiatives introduced by the project.

Notably, the Physical Modeling Center and the Mathematical Modeling Center—both established with project support—have positioned Bihar as one of the few Indian states with access to such state-of-the-art facilities. These centers offer a unique opportunity for Bihar to lead in river modeling capabilities, not only within the state but also by extending this service to other parts of India.

With respect to the Project Development Objective (PDO), the project has successfully met all targets set out in the results framework. Key achievements include the strengthening of over 28 kilometers of embankments, the construction of more than 325 kilometers of roads, direct benefits to over 4.3 million people, and the protection of more than 90,000 hectares of land.

5. SYSTEMATIC OPERATIONS RISK-RATING TOOL

Risk Category	Rating at Approval Approval Package - 08 Dec 2015	Last Approved Rating ISR Seq. 016 - 04 Sep 2024	Proposed 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	● Moderate	● Moderate



Institutional Capacity for Implementation and Sustainability	● Moderate	● Moderate	● Moderate
Fiduciary	● Substantial	● Moderate	● Moderate
Environment and Social	● Substantial	● High	● High
Stakeholders	● Moderate	● Substantial	● Substantial
Overall	● Substantial	● Substantial	● Substantial



6. RESULTS

6.1 PDO Indicators by PDO Outcomes

Enhance resilience to floods								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Area protected by improved flood protection measures (Hectare(Ha))	0.00	Jun/2015	99,414.00	02-Aug-2024	99,414.00	01-Mar-2025	92,000.00	Jun/2024
	Comments on achieving targets		No change since last mission.					
Rural households that have diversified and/or strengthened their livelihood portfolio (Number)	0.00	Jun/2015	28,000.00	02-Aug-2024	28,263.00	01-Mar-2025	25,000.00	Jun/2024
	Comments on achieving targets		This include all beneficiary who have been provided/ supported with assets/ infra from projects+are part of FIGs and PGs and received training+received training even though not part of FIG/PG					
Direct Project Beneficiary (Number)	0.00	Jun/2015	4,352,228	02-Aug-2024	4,363,613	01-Mar-2025	3,700,000.00	Jun/2024
	Comments on achieving targets		RWD: Works of SU-IX (i), (ii), (iii) and Package 13 & 14 are ongoing. Data related to the said schemes will be added when they are complete. BRPNL: 11385 people get benefitted due to completion of package-38(A) been added WRD: no extra population get benefitted due to activities undertaken during this period Total Population added during period May-2024 – Feb-2025 : 11385					
Augmenting Connectivity								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Increased access of the population to markets by roads and bridges that are in	0.00	Jun/2015	3,892,564	02-Aug-2024	3,903,949	02-Aug-2024	3,000,000.00	Jun/2024
	Comments on achieving targets		There has been a substantial overachievement in the number of people who have gained improved access to connectivity under the project. At the time of project formulation, beneficiary estimates were based on older census data. Following the Mid-Term Review, the					



good & fair condition (Number)		PMU undertook a comprehensive survey of the project area to better assess the actual population benefiting from road and bridge interventions. This exercise yielded a more accurate and detailed beneficiary list, revealing a much higher number of people reached than originally projected. Notably, this significant increase in beneficiaries was achieved without a commensurate rise in the length of roads constructed or bridges built, underscoring the efficiency and strategic impact of the connectivity investments.						
Women and socially excluded farmers, with increased access to markets by roads and bridges that are in good & fair condition (Number)	0.00		1,826,111.00		1,868,522		1,400,000.00	

6.2 Intermediate Results Indicators by Components

Livelihood Diversification and Value Chain Development								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Farmers organized in FIGs (Number)	0.00	Jun/2015	11,259.00	02-Aug-2024	25,391.00	01-Mar-2025	13,000.00	Jun/2024
	Comments on achieving targets		There is a significant rise in the number of FIG members as the PIU had earlier not included the FIG/PG promoted by the TSAs on fishery, poultry and goat rearing, these numbers have been included now.					
Female FIG Farmers (Number)	0.00		4,200.00		9,742		6,000.00	
Producers/ Rearers supported directly to build	0.00	Jun/2015	6,203.00	02-Aug-2024	6,894	01-Mar-2025	14,000.00	Jun/2024
	Comments on achieving targets		Though the first installment has reached 7328 farmers, approximately around 6894 farmers have completed work till 1 Feb, 2025. This number will go up by 27 Mar 2025					



livestock and fishery assets (Number)								
Women/ SC/ ST/ Small and Marginal Producers/ Rearers supported directly to build livestock and fishery assets (Number)	0.00		4,700.00		4,729.00		10,000.00	
Augmenting Connectivity								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
New bridges constructed (Number)	0.00	Jun/2015	56.00	02-Aug-2024	59	01-Mar-2025	58.00	Jun/2024
	Comments on achieving targets		All bridges have been completed.					
Roads constructed, Rural (Kilometers)	0.00	Jun/2015	324.00	02-Aug-2024	324.00	01-Mar-2025	330.00	Jun/2024
	Comments on achieving targets		No change					
Contingent Emergency Response								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
Funds immediately available to respond to a major disaster (Amount(USD))	0.00	Jun/2015	0.00	02-Aug-2024	0.00	01-Mar-2025	0.00	Jun/2024
Improving Flood Risk Management								
Indicator Name	Baseline		Actual (Previous)		Actual (Current)		Closing Period	
	Value	Month/Year	Value	Date	Value	Date	Value	Month/Year
	0.00	Jun/2015	28.14	02-Aug-2024	28.14	01-Mar-2025	28.14	Jun/2024

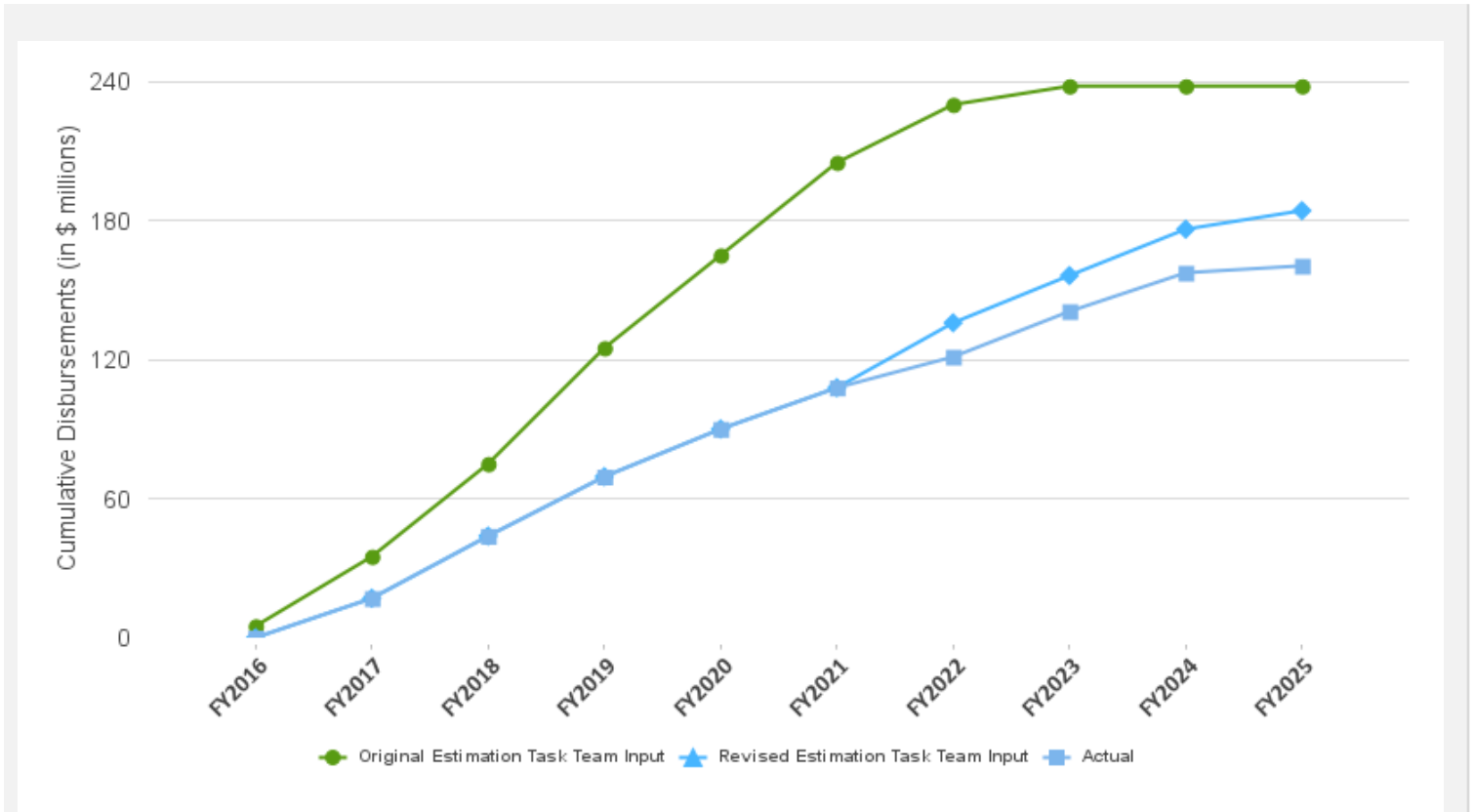


Km of embankment strengthened (Kilometers)	Comments on achieving targets		No change					
WRD staff trained to use flood management technologies (Number)	0.00	Jun/2015	150.00	02-Aug-2024	150.00	01-Mar-2025	200.00	Jun/2024
	Comments on achieving targets		No change					



7. DATA ON FINANCIAL PERFORMANCE

7.1 Cumulative Disbursements



7.2 Disbursements (by loan)

Loan/Credit/TF	Status	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
IDA-56960	Effective	250.00	178.00	72.00	165.23	12.77	92.82%

7.3 Key Dates (by loan)

Loan/Credit/TF	Status	Approval	Signing	Effectiveness	Orig. Closing	Rev. Closing
IDA-56960	Effective	08-Dec-2015	20-Jan-2016	17-Mar-2016	31-Mar-2023	27-Mar-2025

8. KEY DATES



Key Events	Planned	Actual
Approval	08-Dec-2015	08-Dec-2015
Effectiveness	17-Mar-2016	17-Mar-2016
Mid-Term Review No. 01	21-Oct-2019	18-Nov-2019
Operation Closing/Cancellation	27-Mar-2025	

9. RESTRUCTURING HISTORY

Restructuring Level 2 Approved on 10-Dec-2021
Restructuring Level 2 Approved on 05-Mar-2023
Restructuring Level 2 Approved on 12-May-2020
Restructuring Level 2 Approved on 31-May-2024

10. ASSOCIATED OPERATION(S)

There are no associated operations