



## West Bengal Inland Water Transport, Logistics and Spatial Development Project (P166020)

SOUTH ASIA | India | Urban, Resilience and Land Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2021 | Seq No: 2 | ARCHIVED on 19-Oct-2021 | ISR46620 |

Implementing Agencies: Government of West Bengal, Republic of India

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

Bank Approval Date: 30-Nov-2020

Effectiveness Date: 15-Feb-2021

Planned Mid Term Review Date: 31-Jan-2023

Actual Mid-Term Review Date:

Original Closing Date: 31-Mar-2026

Revised Closing Date: 31-Mar-2026

**Project Development Objectives**

Project Development Objective (from Project Appraisal Document)

The project development objectives (PDO) are to (i) improve the efficiency and safety of passenger and freight movement across the Hooghly River; and (ii) establish a spatial planning framework to enhance accessibility within Kolkata Metropolitan Area.

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

No

**Components Table**

Name

Strengthening Inland Water Transport Institutional Capacity:(Cost \$20.00 M)  
Technical Assistance (TA) for Planning and Investment Prioritization:(Cost \$8.00 M)  
Infrastructure investments to improve water transport:(Cost \$115.00 M)  
Support to Implementation:(Cost \$7.00 M)

**Overall Ratings**

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

**Implementation Status and Key Decisions**

The project was approved by the World Bank Board of Directors on November 30, 2020 and the loan was declared effective on February 15, 2021. Despite the ongoing COVID-19 pandemic, project implementation has been progressing well. Works are underway on 12 lots of jetty construction, five packages of vessel building, and the construction of smart gate systems in 40 locations. The inception phase of the Integrated Strategic Development Plan, Institutional Strengthening and Business Planning and the Inland Water Transport Safety Technical Assistance have been completed. The contract for Verification of Disbursement Linked Indicators by an Independent Verification Agency has been awarded.



**Multiphase Programmatic Approach (MPA) Status**

**Risks**

**Systematic Operations Risk-rating Tool**

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

**Results**

**PDO Indicators by Objectives / Outcomes**

Improve the efficiency and safety of passenger and freight movement across the Hooghly River				
▶ Percentage passenger volume increase on selected ferry routes between Kolkata and Howrah (disaggregated by gender) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	20.00
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Passenger volume between Kolkata and Howrah will be measured on the ferry routes selected for Phase 1 of the project. Only propelled (regular) vessels function on these routes. Current passenger volume is 200,968. Baseline is assumed at natural growth without project investments			
☐ Percentage female passenger volume increase on waterway (Text, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	25% of total passenger volume	25% of total passenger volume	25% of total passenger volume	35% of total passenger volume



Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
<b>► Time reduction in passenger movement across the river on selected representative route between Howrah and Kolkata (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	50 minutes by bus	50 minutes by bus	50 minutes by bus	20 minutes by ferry
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	The selected route for measurement is from Howrah Train Station to Chandpal Jetty and travel time is estimated during peak hour. Baseline is measured for travel is by bus and target by ferry; wait time is not accounted for.			
<b>► Percentage of reduction in travel distance for truck movement across the river for one representative route (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0 - No ro-ro service available	0 - No ro-ro service available	0 - No ro-ro service available	40%
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Representative route selected from the following routes; 1. Panchrapara-GR Jetty (distance by road 13.5 km). 2. Bauria - GR Jetty (distance by road 37.1 km) 3. Bauria - Budge Budge (distance by road 21.4 km) The selection of the route will be finalized upon selection of Ro-Ro ramps to be developed under the project.			
<b>► Increased number of trucks on waterway on a selected route (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0 - no service	0 - no service	0 - no service	200 trucks/day
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Measures number of trucks carried daily on ro ro between Kolkata and Howrah. Only propelled (regular) vessels function on these routes			
Establish a strategic planning framework for Kolkata Metropolitan Area.				
<b>► Safety Management System established and implemented (Yes/No, Custom, PBC)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Measures enhanced institutional readiness to enhance navigation, secure onboard safety for passengers, and respond to water transport related emergencies / accidents. The Safety system includes; Safety Action Plan; Monitoring and Evaluation framework; ER&SR system. Training programs on the various parts of the system will be conducted.			
<b>► Spatial and mobility plans approved by the Minister in Charge (Yes/No, Custom, PBC)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026



Comments: This indicator intends to measure continued reform in spatial planning. Both SDS and CMP would be prepared through a participatory process, engaging the various stakeholders and they should be ready for approval in year 2 of the project. The backbone of the two plans is the base map and the data base that will be built in the year 1. Local plans for two area should be completed. The indicators is met once the relevant minister in charge approves the plan.

**Intermediate Results Indicators by Components**

Strengthening Institutional Capability				
► Completion and Adoption of an Institutional Strengthening and Business Plan (Text, Custom, PBC)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Weak sector capacity and internally conflicted institutional setup	Weak sector capacity and internally conflicted institutional setup	Weak sector capacity and internally conflicted institutional setup	The Transport Department has (a) 5-year IWT Institutional Strengthening and Business Plan (b) New vessel rules and regulations for the operation of the ro-ro services (c) the vessel finance mechanism (d) clear mandate of the IWT Secretariat
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	The indicator aims to measure the continued institutional reforms undertaken to separate / bundle industry regulation from sector operations. A 5-year IWT Institutional Strengthening and Business Plan completed and adopted by the IWT Secretary is a target under this indicator.			
► Technical and non technical staff received at least 1 training program (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	400.00
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	This indicator aims to measure the continued effort to improve sector capacity. Training covers operation, safety, modern technical in navigation, and spatial and transport planning .			
► Number of routes for private sector ferry operations identified (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	4.00	4.00	4.00	10.00
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	measures effort to leverage private sector participation in IWT			
► Private capital mobilization for ro-ro vessel financing (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Indicator measures effort to leverage private sector participation in IWT. Year 1: Confirmation of vessel financing structure and public implementation entity completed; Year 2: Implementation of vessel financing mechanism begins with providing finance for the first vessel; Year 3-4: Year 5: Private capital mobilization for vessel financing started			
<b>► IWT regulations are strengthened (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	12-Feb-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Year 1 Clear mandate for the new IWT Secretariat as a regulator drafted and approved by minister in charge; Year 2 New vessel rules drafted and adopted by the IWT Secretariat; regulations for the operation of the ro-ro services drafted and approved by IWT Secretariat; Year 3 Regulations for the operation of passenger ferry services are adopted; Regulations for the operation of the ro-ro services drafted and approved by IWT Secretariat;			
<b>► Percent complaints resolved of the total complaints received using the dedicated helpline number and internet-based communication tools to report sexual harassment and GBV issues (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No mechanism in place	No mechanism in place	No mechanism in place	At least 80 percent resolved out of total complaints received.
Date	20-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	The indicator measures system effectiveness in recording and resolving reports of GBV and sexual harassment to help and empower women			
<b>Technical Assistance (TA) for Planning and Investment Prioritization</b>				
<b>► Spatial Development Strategy drafted and submitted for approval (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	This indicator intends to measure effort to draft a spatial vision for the KMA and action plans. SDS would be prepared through a participatory process, engaging the various stakeholders and it should be ready for approval in year 2 of the project. The backbone of the SDS is the base map and the data base that will be built in the year 1. Local plans for two area should be completed. The indicator is met once the minister in charge approves the plan.			
<b>► Comprehensive Mobility Plan drafted and submitted for approval (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	This indicator intends to measure effort to link the different modes of transport together and allow for the multi modal transport within the the KMA. A vision for the transport sector crafted. The CMP would be prepared through a participatory process, engaging the various stakeholders and it should be ready for			



approval in year 2 of the project. The backbone of the CMP is the base map and the data base that will be built in the year 1. The indicator is met once the minister in charge approves the plan.				
<b>► Logistics Master Plan drafted and submitted for approval (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	The indicator measures progress in providing support to long term vision and action plan for the logistics sector. Year 1 a complete profile of the logistic sector including the existing spatial distribution of main hubs completed and base map draft. LMP completed through a consultative process by year 2.			
<b>► Integrated Strategic Development Plan for IWT prepared and approved (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	The indicator measure progress in formulating a strategic vision for IWT and proper investment prioritization tool for the project. ISDP prepared and approved in year; sub-projects to be financed under WBILSD in phase 2 identified and detailed project reports completed .			
<b>Infrastructure Investments to Improve Water Transport</b>				
<b>► New, modern and safer vessels with gender inclusive design (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	22.00
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Measures introduction of modern, safe and gender inclusive passenger ferry vessels and services.			
<b>► Number of new and rehabilitated jetties with improved pontoons and gangways (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Measures modern, gender inclusive and safer ferry landings developed at identified locations within the project area			
<b>► Inclusive vessel designs (cater for women and for special needs) (Yes/No, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Measures introduction of new designs for modern, safe and gender inclusive passenger ferry vessels and services			



► Number of new and rehabilitated passenger terminals (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	4.00
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Measures rehabilitation or construction of modern and gender inclusive ferry terminals developed at locations identified by the ISDP			
► New ro-ro jetties (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	2.00
Date	30-Oct-2019	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	Measures construction of new modern ro ro landings developed locations identified by the ISDP			
► Percentage of women recruited and trained as jalsaathis (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	30.00
Date	15-May-2020	12-Feb-2021	22-Sep-2021	31-Mar-2026
Comments:	This indicator will monitor the percentage of women employed as jalsaathis, para security personnel responsible for maintenance of discipline in the ferry stations and pontoons. Today, there are 24 women and 510 men			

### Performance-Based Conditions

► PBC 1 Safety Management System established and implemented (Yes/No, Outcome, 8,000,000.00, 0.00%)				
	Baseline	Actual (Previous)	Actual (Current)	Result 5
Value	No	No	No	--
Date	--	12-Feb-2021	22-Sep-2021	--
► PBC 2 Completion and Adoption of an Institutional Strengthening and Business Plan (Text, Intermediate Outcome, 10,000,000.00, 9.52%)				
	Baseline	Actual (Previous)	Actual (Current)	Result 5
Value	Weak sector capacity and internally conflicted institutional setup	Weak sector capacity and internally conflicted institutional setup	Weak sector capacity and internally conflicted institutional setup	--
Date	--	12-Feb-2021	22-Sep-2021	--
► PBC 3 Spatial and mobility plans approved by the Minister in Charge (Yes/No, Outcome, 10,000,000.00, 9.52%)				



	Baseline	Actual (Previous)	Actual (Current)	Result 5
Value	No	No	No	--
Date	--	12-Feb-2021	22-Sep-2021	--

Data on Financial Performance

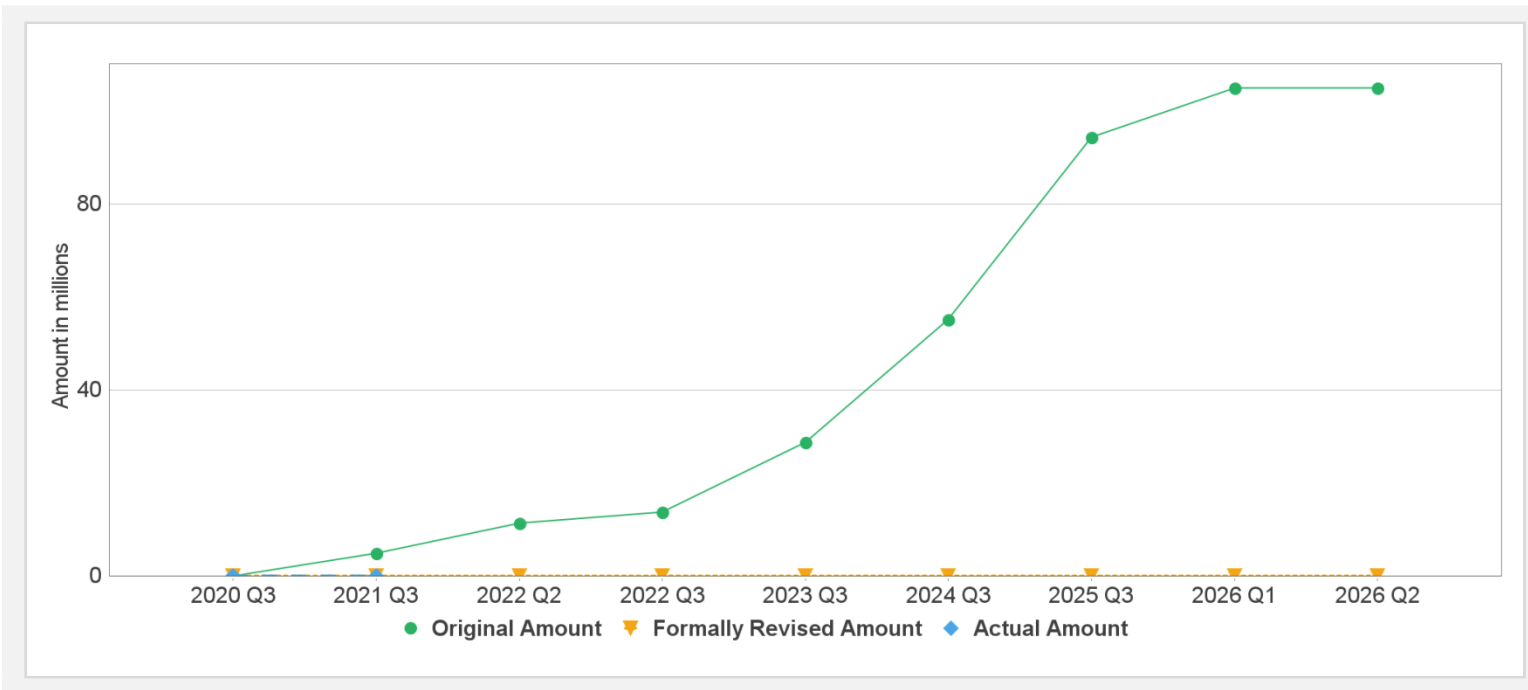
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P166020	IBRD-91760	Effective	USD	105.00	105.00	0.00	2.26	102.74	2.2%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P166020	IBRD-91760	Effective	30-Nov-2020	05-Jan-2021	15-Feb-2021	31-Mar-2026	31-Mar-2026

Cumulative Disbursements







### Restructuring History

There has been no restructuring to date.

### Related Project(s)

There are no related projects.

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