



Assam Inland Water Transport Project (P157929)

SOUTH ASIA | India | Transport Global Practice |
IBRD/IDA | Investment Project Financing | FY 2020 | Seq No: 5 | ARCHIVED on 05-Apr-2022 | ISR50454 |

Implementing Agencies: India, Transport Dept., Govt. of Assam, Dispur, Guwahati (Assam), India

Key Dates**Key Project Dates**

Bank Approval Date: 13-Dec-2019

Effectiveness Date: 23-Mar-2020

Planned Mid Term Review Date: 10-Oct-2022

Actual Mid-Term Review Date:

Original Closing Date: 31-Dec-2024

Revised Closing Date: 31-Dec-2024

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The objectives of the Project are to: (a) improve passenger ferry infrastructure and service in Assam, and (b) improve the institutional capacity and framework for inland water transport in Assam

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

No

Components Table

Name

Institutional, regulatory and safety strengthening:(Cost \$20.00 M)

Fleet safety improvements and modernization:(Cost \$24.00 M)

Improvement in terminal infrastructure:(Cost \$54.00 M)

Project Management Support:(Cost \$8.25 M)

Overall Ratings

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

Implementation Status and Key Decisions

The overall implementation progress including the ferry terminal construction, setting up new institutions and capacity strengthening need to accelerate.

Seven new (100 passenger capacity) ferry vessels fitted with fauna friendly devices, are deployed on the main ferry routes in Assam since September 2021. The remaining 13 vessels that are under construction are expected to be delivered by June 2023. As part of the incentive scheme (Jibondinga) targeted to improve the condition and safety of country boats, more than 200 vessels have been upgraded with modern engine and gear box systems for enhanced safety.

The civil works tender for the first ferry terminal development in South Guwahati is awaiting approval. Feasibilities studies and detailed project reports for the remaining ferry terminals planned under the project are being prepared and are expected to be tendered out during 2022.



Night navigation system is being established under the project on the priority cross-river ferry routes. The first night navigation application was formally launched in Feb 2022 and has been installed on six public vessels operating on the Guwahati service.

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	☐ Moderate	☐ Moderate	☐ Moderate
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Substantial	☐ Substantial
Fiduciary	☐ Moderate	☐ Moderate	☐ Moderate
Environment and Social	☐ Substantial	☐ Substantial	☐ Substantial
Stakeholders	☐ Moderate	☐ Moderate	☐ Moderate
Other	--	--	--
Overall	☐ Substantial	☐ Substantial	☐ Substantial

Results

PDO Indicators by Objectives / Outcomes

Passenger Ferry Infrastructure and Services				
▶ Ferry service hours available in a day - on project supported ferry routes (Hours, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	10.00	10.00	10.00	16.00
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	The indicators tracks improved services through extended hours of available operation, with implementation of modern technology (night navigation etc)			
▶ Percent women users of ferries during peak hours (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	About 25% of ferry users are Women and children (to be reassessed)	No change expected.	No change expected.	Expect greater than 30% women users
Date	30-Aug-2019	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	The indicator is intended to assess change in perception of safety among women as users of improved mobility beyond usual daytime			
► User Satisfaction (on access, safety, quality of services, facilities etc) dis-aggregated by gender on project supported ferry routes (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	To be measured	Change expected after deployment of new fleet of ferries in September 2021.	Change expected after deployment of new fleet of ferries in September 2022.	More than 70% User satisfaction
Date	31-Jan-2020	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	The indicator tracks the change in user satisfaction as ferry infrastructure and services are improved gradually.			

Institutional Capacity and Framework

► Regulation of IWT operations in Assam strengthened (Text, Custom, PBC)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	RA Established under new Act of State Legislative Assembly	The AIWTRA (Amendment) Bill 2020 was passed by the Assam Legislative Assembly in Sept 2020 that would enable AIWTRA to fix tariffs for passenger or cargo vessels.	The Regulatory Authority (RA) is staffed with key members. The technical team is to be mobilized to progress with sector regulations, policies and tariff review. To be updated in October 2022.	AIWTRA has: (a) adopted and notified new Safety Regulations for the operation of passenger ferry services; and (b) adopted and notified new Economic Regulations for transparent and sustainable operation of passenger ferry services."
Date	30-Aug-2019	15-Dec-2020	17-Mar-2022	31-Mar-2023
Comments:	Tracks expected progress from a functioning and independent regulatory authority in strengthening regulatory framework for the IWT sector in Assam			

► Unbundling public sector operations from industry regulations (Text, Custom, PBC)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Internally conflicted institutional setup	To be updated, AIWTDS is addressing the clarifications sought by the Public Investments Board.	To be updated, AIWTDS is addressing the clarifications sought by the Public Investments Board.	The Transport Department has: (a) transferred all fixed assets identified in APC's asset devolution plan (primarily public



				ferry terminals) to the Assam Ports Company; and (b) transferred all floating/ movable assets identified in ASC's asset devolution plan (primarily public vessels) to the Assam Shipping Company."
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-Mar-2023
Comments:	The indicator aims to measure the continued institutional reforms undertaken to separate / unbundle industry regulation from sector operations			
► Enhanced IWT sector capacity on safety and modern technologies (Text, Custom, PBC)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Weak sector capacity. A comprehensive training plan under review by the Govt.	Safety procedures onboard vessels and terminals are planned to be updated, approved by AIWTRA and implemented by March 2021. Procurement of Training Provider initiated.	Safety procedures onboard vessels and terminals are planned to be updated, approved by AIWTRA and implemented by December 2022. Procurement of Training Provider initiated.	500 staff from DIWTA, ASC, ASP and / or private boat operators have been trained on best practices for navigation safety and modern technologies, with at least 20% of them being registered private boat operators
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	The indicator measures efforts to improve institutional capacity in delivering safer and efficient ferry services			
► Establishing an emergency response system including a search and rescue unit (Text, Custom, PBC)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No specific capacity exists	The delivery schedule of SAR Vessels is delayed by 5 months to July 2021 due to the pandemic.	The delivery schedule of SAR Vessels expected in March 2022	The ER&SAR has been made operational
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-Mar-2023
Comments:	Measures enhanced institutional capability to respond to water transport related emergencies / accidents in Assam			

Intermediate Results Indicators by Components

Institutional, regulatory and safety

► Access to modern information (advance weather forecast, electronic charts, night navigation) to assist safer navigation (Text, Custom)



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Poor availability / access to information to assist navigation	Consultant engaged for Assessment and Implementation of Night Navigation System for cross river ferry service on river Brahmaputra.	The Base Charts and Navigational Path and VAtoN have been completed for two routes (North - South Guwahati and Neamati-Kamalabari). The Navigation Application was formally launched in Feb 2022 and has been installed on six public vessels operating on the Guwahati service.	Improved access to climate / weather information and night navigation support available on project supported routes
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	Measures improvement in deployment of tools, navigation aids and modern communication technologies to provide necessary information that reduce travel risk			
► Adoption of Assam Water Transport Strategy (Text, Custom, PBC)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No Inland Water transport strategy available for Assam	Draft report reviewed by the PIU, the final report is to be submitted by the Consultants by March 2021.	Draft report submitted by the Consultants was incomplete and was rejected by the PIU. A new Consultant is being mobilized to complete the report, with expected completion date by December 2022.	Transport Department has approved/adopted an Intra-State Water Transport Strategy
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-Mar-2022
Comments:	Measures progress to support broader transport policy for the State			
► 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)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No reporting mechanism exists specific to the sector	Grievance Redress Mechanism (GRM) functional	Grievance Redress Mechanism (GRM) functional	Atleast 90 percent resolved out of total complaints received.
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	The indicator measures system effectiveness in recording and resolving reports of GBV and sexual harassment to help and empower women			
Fleet Safety and Modernisation				
► New, modern and safer public vessels with gender inclusive design (Text, Custom, PBC)				
	Baseline	Actual (Previous)	Actual (Current)	End Target



Value	Tender issued for procurement of new vessels	Deliveries of new passenger ferry vessels are delayed due to the pandemic. The first vessel is scheduled to be delivered in February 2021 and the remaining vessels during the March to Dec 2021 period	7 nos. (100 pax) vessels delivered and 3 nos. (100 pax) vessels are in the final stage of construction. The remaining 10 vessels are being re-designed as ro-pax vessels with the provision of carrying 4-wheelers. Expected delivery date is to be updated.	DIWTA or Assam Shipping Company, as the case may be, is operating the twenty (20) new vessels received from the shipyards, all of them with crew in compliance with Assam Vessel Rules and Safety Regulations"
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-Mar-2023
Comments:	Measures introduction of modern, safe and gender inclusive passenger ferry vessels and services			
► Retrofitted/new, safer country boats for private sector supported under the "Jibondinga" incentive scheme (Text, Custom, PBC)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Old and unsafe private country boats	About 850 applicants including 25 women entrepreneurs had applied to avail the benefits of the Jibondinga incentive scheme.	150 marine engines with gear box, out of the 391 ordered (for the private country boat beneficiaries) have been installed as of Feb 2022	More than 200 private sector country boats made safer and efficient
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	Measures effectiveness of the incentive scheme in supporting private sector to own / operate safer and safety compliant country boats			

Terminal Improvement				
► Modern, floating and engineered ferry terminals with improved access and socially inclusive design (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	7.00
Date	31-May-2019	15-Dec-2020	17-Mar-2022	31-May-2024
Comments:	Measures modern and gender inclusive ferry landings developed at identified urban and rural locations			

Performance-Based Conditions

► PBC 1 Regulation of IWT operations in Assam strengthened (Text, Output, 11,000,000.00, 0.00%)				
	Baseline	Actual (Previous)	Actual (Current)	Target 4



Value	RA Established under new Act of State Legislative Assembly	The AIWTRA (Amendment) Bill 2020 was passed by the Assam Legislative Assembly in Sept 2020 that would enable AIWTRA to fix tariffs for passenger or cargo vessels.	The AIWTRA (Amendment) Bill 2020 was passed by the Assam Legislative Assembly in Sept 2020 that would enable the Regulatory Authority (RA) to fix tariffs for passenger or cargo vessels. The RA is staffed with key members and the technical team is to be mobilized to progress with sector regulations, policies and tariff review. To be updated in October 2022.	--
Date	--	15-Dec-2020	17-Mar-2022	--

► PBC 2 Enhanced IWT sector capacity on safety and modern technologies (Text, Output, 7,000,000.00, 0.00%)

	Baseline	Actual (Previous)	Actual (Current)	Target 4
Value	Weak sector capacity. A comprehensive training plan under review by the Govt.	Safety procedures onboard vessels and terminals are planned to be updated, approved by AIWTRA and implemented by March 2021. Procurement of Training Provider initiated.	Safety procedures onboard vessels and terminals are planned to be updated, approved by AIWTRA and implemented by March 2021. Procurement of Training Provider initiated.	--
Date	--	15-Dec-2020	17-Mar-2022	--

► PBC 3 Establishing an emergency response system including a search and rescue unit (Text, Output, 5,500,000.00, 0.00%)

	Baseline	Actual (Previous)	Actual (Current)	Target 4
Value	No specific capacity exists	The delivery schedule of SAR Vessels is delayed by 5 months to July 2021 due to the pandemic. A consultant is being mobilized to develop the framework to improve the capacity in disaster risk management (DRM), identify systems and processes to enhance the operationalization of IWT Emergency Response System and capacity improvement.	The delivery schedule of SAR Vessels expected in March 2022	--



Date	--	15-Dec-2020	17-Mar-2022	--
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►PBC 4 Adoption of Assam Water Transport Strategy (Text, Intermediate Outcome, 3,000,000.00, 0.00%)				
	Baseline	Actual (Previous)	Actual (Current)	Target 4
Value	No Inland Water transport strategy available for Assam	Draft report reviewed by the PIU, the final report is to be submitted by the Consultants by March 2021.	Draft report submitted by the Consultant was rejected by the PIU. A new Consultant is being mobilized to finalize the report December 2022.	--
Date	--	15-Dec-2020	17-Mar-2022	--

►PBC 5 Unbundling public sector operations from industry regulations (Text, Intermediate Outcome, 12,000,000.00, 10.9%)				
	Baseline	Actual (Previous)	Actual (Current)	Target 4
Value	Internally conflicted institutional setup	To be updated. AIWTDS is addressing the clarifications sought by the Public Investments Board.	To be updated, AIWTDS is addressing the clarifications sought by the Public Investments Board.	--
Date	--	15-Dec-2020	17-Mar-2022	--

►PBC 6 New, modern and safer public vessels with gender inclusive design (Text, Output, 10,000,000.00, 0.00%)				
	Baseline	Actual (Previous)	Actual (Current)	Target 4
Value	Tender issued for procurement of new vessels	Deliveries of new passenger ferry vessels are delayed due to the pandemic. The first vessel is scheduled to be delivered in March 2021 and the remaining vessels during April to Dec 2021.	7 nos. (100 pax) vessels delivered and 3 nos. (100 pax) vessels are in the final stage of construction. The remaining 10 vessels are being re-designed as ro-pax vessels with the provision of carrying 4-wheelers. Expected delivery date is to be updated.	--
Date	--	15-Dec-2020	17-Mar-2022	--



► PBC 7 Retrofitted/new, safer country boats for private sector supported under the “Jibondinga” incentive scheme (Text, Output, 4,500,000.00, 0.00%)

	Baseline	Actual (Previous)	Actual (Current)	Target 4
Value	Old and unsafe private country boats	About 850 applicants including 25 women entrepreneurs have applied to avail the benefits of the Jibondinga incentive scheme.	150 marine engines with gear box, out of the 391 ordered (for the private country boat beneficiaries) have been installed as of Feb 2022	--
Date	--	15-Dec-2020	17-Mar-2022	--

Data on Financial Performance

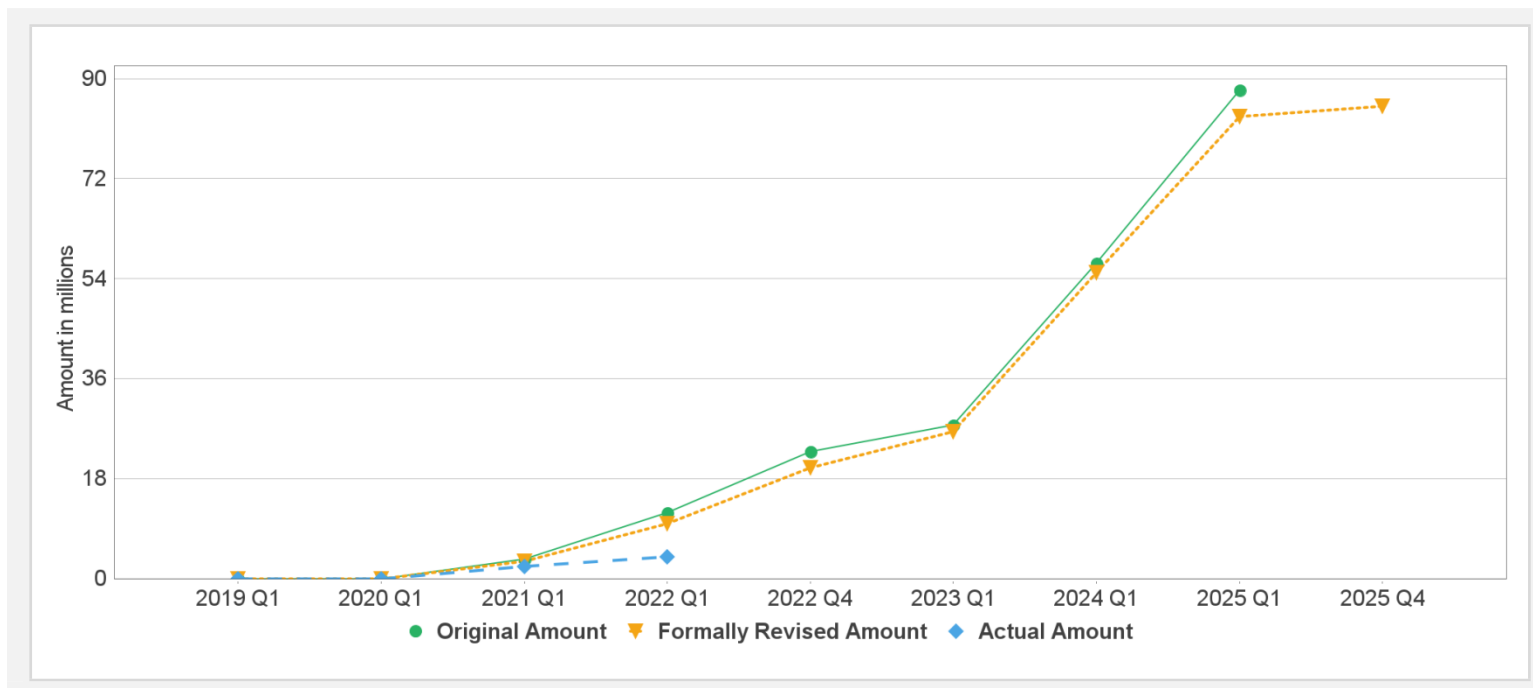
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P157929	IBRD-90260	Effective	USD	88.00	85.00	3.00	5.42	79.58	6.4%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P157929	IBRD-90260	Effective	13-Dec-2019	16-Jan-2020	23-Mar-2020	31-Dec-2024	31-Dec-2024

Cumulative Disbursements





Restructuring History

Level 2 Approved on 31-Mar-2021

Related Project(s)

There are no related projects.
