



## Capacity Augmentation of the National Waterway- 1 (JAL MARG VIKAS) Project (P148775)

SOUTH ASIA | India | Transport Global Practice |  
IBRD/IDA | Investment Project Financing | FY 2017 | Seq No: 8 | ARCHIVED on 29-Sep-2021 | ISR48369 |

Implementing Agencies: Department of Economic Affairs, Government of India, Inland Waterways Authority of India

## Key Dates

### Key Project Dates

Bank Approval Date: 12-Apr-2017

Effectiveness Date: 23-Mar-2018

Planned Mid Term Review Date: 30-Dec-2020

Actual Mid-Term Review Date: 08-Dec-2020

Original Closing Date: 31-Dec-2023

Revised Closing Date: 31-Dec-2023

## Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The Project Development Objective is to enhance transport efficiency and reliability of National Waterway- 1 and augment institutional capacity for the development and management of India's inland waterway transport system in an environmentally sustainable manner.

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

No

## Components Table

Name

Component A: Improving the navigability of NW-1 (Haldia to Varanasi):(Cost \$665.00 M)

Component B: Institutional Strengthening and improving the investment climate, vessel design and construction framework:(Cost \$25.00 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"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Substantial	<input type="checkbox"/> Substantial

## Implementation Status and Key Decisions

The overall project implementation has been impacted by the recent slowdown on account of COVID-19 impact. Nevertheless, the cumulative physical progress on ongoing works has advanced to about 78% and the overall progress to about 44%. The first multi modal terminal at Varanasi and Sahibganj have been completed and inaugurated in 2018 and 2019 respectively. The progress on navigation lock in Farakka and the multi-modal terminal in Haldia is about 85% and 96% respectively and expected to be completed by March 2022 and December 2021 respectively. Maintenance dredging contracts for Farakka-Barh stretch are in progress and procurement is in progress for dredging in Farakka-Tribeni and Majahua - Ghazipur stretch. Procurement for the remaining last two dredging contracts will be initiated in November 2021. Contract for Kalugth terminal has already been awarded. Procurement for newly launched Arth Ganga program has been initiated and now expected to be completed latest by mid 2022.



**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	☐ Substantial
Institutional Capacity for Implementation and Sustainability	☐ Substantial	☐ Substantial	☐ Substantial
Fiduciary	☐ Substantial	☐ Substantial	☐ Substantial
Environment and Social	☐ High	☐ Substantial	☐ Substantial
Stakeholders	☐ Substantial	☐ Substantial	☐ Substantial
Other	☐ Low	☐ Low	☐ Low
Overall	☐ Substantial	☐ Substantial	☐ Substantial

**Results**

**PDO Indicators by Objectives / Outcomes**

To enhance transport efficiency and reliability of NW-1				
▶ Supporting navigation of higher Vessel Sizes on NW1 (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,000.00	2,000.00	2,000.00	2,000.00
Date	31-Dec-2016	21-Dec-2020	21-Dec-2020	31-Dec-2023
▶ Reduction in cost of cargo traffic transported by inland water transport between Haldia and Varanasi (INR per ton-km) (Amount(USD), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.11	1.11	1.11	0.89
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
▶ Improved reliability of navigation on NW-1 (days available for transport operations per year) (Days, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	270.00	280.00	280.00	330.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
<b>► Net Annual GHG Emission avoided (Metric ton, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	108,660.00
Date	31-Dec-2016	21-Dec-2020	21-Dec-2020	31-Dec-2023
<b>► Enhanced IWT sector capacity through improved institutional structure and operational framework for sector institutions (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Study for IWT sector capacity enhancement launched	Strategic plan for IWAI staffing and capacity building adopted. Assessment proposed to strengthen efficiency and for the capacity augmentation of National Inland Navigation Institute as a sector institute.	Strategic plan for IWAI staffing and capacity building adopted. Assessment proposed to strengthen efficiency and for the capacity augmentation of National Inland Navigation Institute as a sector institute.	Full staffing and skill mix target for IWAI achieved and 50% target for sector capacity building achieved
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023

**Intermediate Results Indicators by Components**

Component A: Improving the navigability of NW-1 (Haldia to Varanasi)				
<b>► Direct project beneficiaries (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3,000.00	3,000.00	25,000.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
<b>□ Female beneficiaries (Percentage, Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	5.00
<b>► Performance-based contracts for navigation improvement signed (Number, Custom)</b>				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3.00	3.00	3.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
<b>► Least Available Depth (LAD) in mtr. maintained on Navigation Fairway (Meter(m), Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.50	2.50	2.50	4.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
<b>□ Least Available Depth (LAD) in mtr. maintained on Navigation Fairway- Haldia to Tribeni (Meter(m), Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.00	3.00	3.00	4.00
<b>□ Least Available Depth (LAD) in mtr. maintained on Navigation Fairway, between - Tribeni to Farakka (Meter(m), Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.00	3.00	3.00	3.00
<b>□ Least Available Depth (LAD) in mtr. maintained on Navigation Fairway, between - Farraka and Barh (Meter(m), Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.50	2.50	2.50	3.00
<b>□ Least Available Depth (LAD) in mtr. maintained on Navigation Fairway, between Barh to Ghazipur (Meter(m), Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	2.00	2.00	2.00	2.20
<b>□ Least Available Depth (LAD) in mtr. maintained on Navigation Fairway- Ghazipur to Varanasi (Meter(m), Custom Supplement)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1.50	1.50	1.50	2.20
<b>► Multi-modal Cargo terminals built (Nos.) (Number, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	6.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023



▶ Ro-Ro Terminal (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	10.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
▶ Number of Navigation Locks Built or rehabilitated (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	1.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
▶ Operationalization of community jetties (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	0.00	60.00
Date	22-Jul-2020	21-Dec-2020	21-Dec-2020	31-Dec-2023

Component B: Institutional Strengthening and improving the investment climate, vessel design and construction framework

▶ Project-supported organization(s) publish reports on effect of collaboration on project (Text, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	N.A.	(i) Vessel designs are published on website - Sept 2018 (ii) Completed Study on Effects of Navigational Activities on Dolphin in the NW-1 (year 2020) (iii) Completed Study on Risk Assessment and Disaster Management Plans for NW-1 (year 2020)	(i) Vessel designs are published on website - Sept 2018 (ii) Completed Study on Effects of Navigational Activities on Dolphin in the NW-1 (year 2020) (iii) Completed Study on Risk Assessment and Disaster Management Plans for NW-1 (year 2020)	Yes
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023
▶ Grievances responded and/or resolved within the stipulated service standards for response times (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	80.00	100.00	100.00	90.00
Date	01-Jan-2017	21-Dec-2020	21-Dec-2020	30-Jun-2023



<b>► Undertake review of IWAI institutional structure and staffing (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Study Commissioned	Strategic plan for IWAI staffing and capacity building adopted	Strategic plan for IWAI staffing and capacity building adopted	Study recommended skill mix and staffing achieved and maintained
Date	01-Jan-2017	15-Jan-2019	15-Jan-2019	30-Jun-2023
<b>► Undertake review and alignment of the legal framework in respect of IWAI operations (Text, Custom)</b>				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	Revisions Undertaken	Legal framework for vessel operation revised in the form of new Inland Vessels Act	Legal framework for vessel operation revised in the form of new Inland Vessels Act	New legal framework for inland vessels operation as well as logistics established
Date	31-Dec-2016	15-Jan-2019	15-Jan-2019	31-Dec-2023

**Performance-Based Conditions**

**Data on Financial Performance**

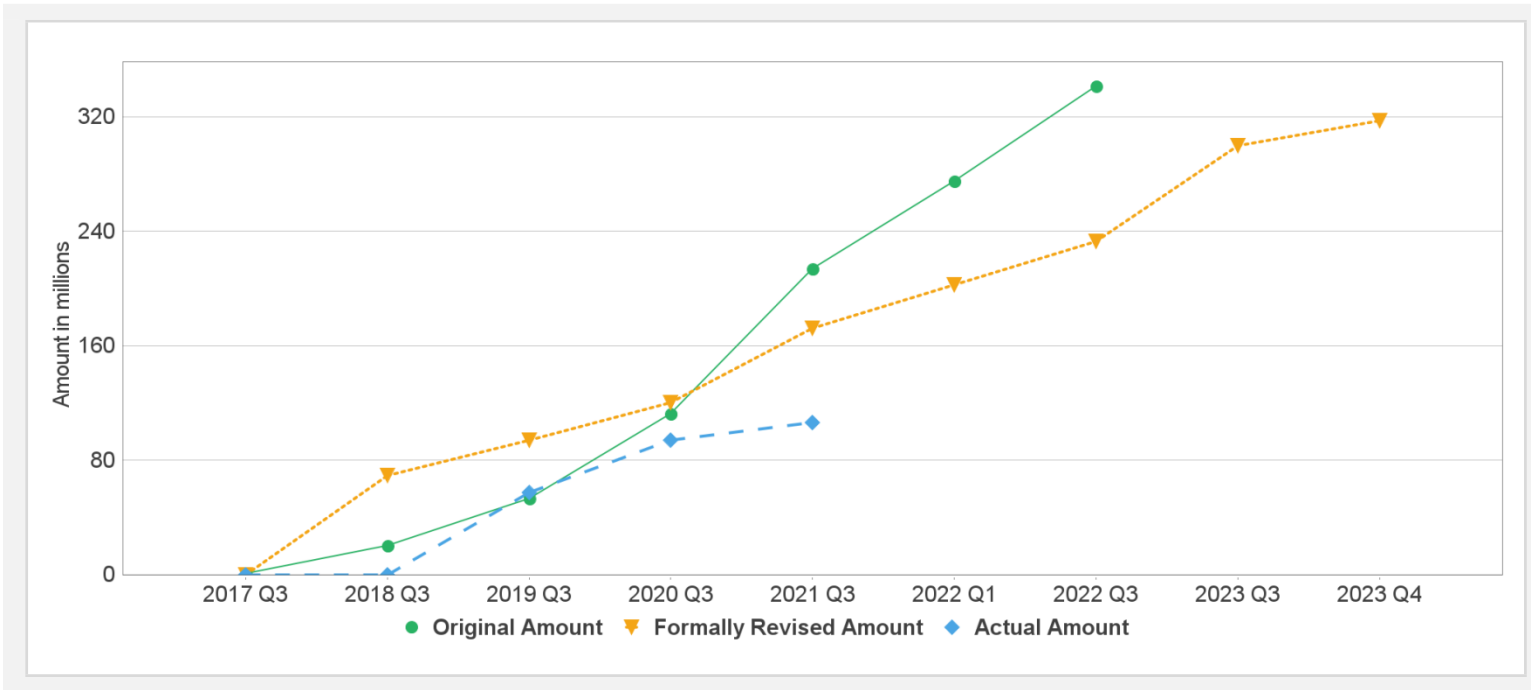
**Disbursements (by loan)**

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P148775	IBRD-87520	Effective	USD	375.00	317.22	57.78	113.79	203.43	36%

**Key Dates (by loan)**

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P148775	IBRD-87520	Effective	12-Apr-2017	02-Feb-2018	23-Mar-2018	31-Dec-2023	31-Dec-2023

**Cumulative Disbursements**



**PBC Disbursement**

PBC ID	PBC Type	Description	Coc	PBC Amount	Achievement Status	Disbursed amount in Coc	Disbursement % for PBC

**Restructuring History**

Level 2 Approved on 06-Aug-2020

**Related Project(s)**

There are no related projects.