



Bangladesh NATP-2: National Agricultural Technology Program - Phase II Project (P149553)

SOUTH ASIA | Bangladesh | Agriculture and Food Global Practice |
IBRD/IDA | Investment Project Financing | FY 2015 | Seq No: 15 | ARCHIVED on 29-Oct-2021 | ISR48680 |

Implementing Agencies: Ministry of Fisheries and Livestock (MOFL), Ministry of Agriculture (MOA), People's Republic of Bangladesh

Key Dates**Key Project Dates**

Bank Approval Date: 05-Jun-2015

Effectiveness Date: 05-Sep-2016

Planned Mid Term Review Date: 30-Apr-2019

Actual Mid-Term Review Date: 28-Apr-2019

Original Closing Date: 30-Sep-2021

Revised Closing Date: 30-Jun-2023

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

To increase the agricultural productivity of smallholder farms and improve smallholder farmers' access to markets in selected districts.

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

No

Components Table

Name

Enhancing Agricultural Technology Generation:(Cost \$38.47 M)
Supporting Agricultural Technology for Crops Development:(Cost \$77.12 M)
Supporting Agricultural Technology for Fisheries Development:(Cost \$50.23 M)
Supporting Agricultural Technology for Livestock Development:(Cost \$61.01 M)
Project Management:(Cost \$10.09 M)

Overall Ratings

Name	Previous Rating	Current Rating
Progress towards achievement of PDO	<input type="checkbox"/> Moderately Satisfactory	<input type="checkbox"/> Moderately 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**PROJECT STATUS**

The development objective of NATP-II is to increase agricultural productivity of smallholder farms and improve smallholder farmers' access to markets in selected districts of Bangladesh. The major interventions include technology generation through research, research-extension linkages, enhanced technology transfer, improved service delivery and better access to markets and inputs. Farmer group-based technology dissemination and adoption is being used as a tool to enhance adoption of improved practices.

Despite series of lockdowns, the project has made notable progress over the last six months:

- Productivity indicators have increased 33.3 % on average across all components and are on track towards project-end targets.
- Improvement in marketed volumes by PIU-Department of Livestock Services (DLS) is expected to continue in the coming months. DLS will take over technical assistance support to livestock Producer Organizations (POs) that used to be provided by an external supply chain



agency. The project cumulatively marketed 32,089 MT (metric tons - 91% of end target) of crop, livestock and fish commodities. PIU- Department of Agriculture Extension (DAE) has facilitated the marketing of 24632 mt of agricultural products (90 % achievement against EOP). PIU-DLS and Department of Fisheries (DoF) marketed 2927 mt of livestock products (primarily milk) and 4530 mt of fish (73% for livestock and 113% for fish products targets). 4,530 MT of fish was sold, surpassing the final target of 4,000 MT. The newly introduced online fish marketing platform (pofishmarket.com) tripled sales (839 MT) compared to the quantity reported in previous ISM.

- Agriculture Innovation Fund 2 and 3 (AIF-2 and AIF-3) sub-projects contribute to farm mechanization, enhanced agricultural productivity, and marketing of agricultural products. In total 2922 (64% of the RDPP targets) sub-projects have been awarded by three agencies. Compared to ISM-5, the additional achievements in AIF-2 & 3 are 74%, 36% and 76% respectively. However, DLS should accelerate the process of awarding the sub-projects and achieve maximum targets within the next six months against the additionally approved AIF-2 themes. In the coming months, the Bank team will continue to provide support to conduct cross-sectoral analysis and validate data collection methods and data quality, and to understand the causes of productivity increase across sectors.

KEY DECISIONS

The project’s restructuring was completed on May 27, 2021. Project Management Unit (PMU) should confirm that all PIUs gather the new baseline data for the revised activities included in the RDPP taking into account the impacts of COVID.

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Objective 1: to increase the agricultural productivity

► Crop Productivity: Rice (paddy) (Tones/year, Custom)

Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	4.70	5.12	5.29	5.40
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
► Crop Productivity: Tomato (Tones/year, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	30.00	33.49	34.95	36.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
► Livestock Productivity: Dairy (Liter, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.00	3.62	3.82	3.90
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
► Livestock Productivity: Beef (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	160.00	202.15	218.22	225.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
► Fish Productivity: Aquaculture (pond farming) (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	3.00	4.88	4.94	4.80
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
► Fish Productivity: Open capture (beel) (Metric ton, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.70	1.25	1.25	1.40
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023

Objective 2: to improve smallholder farmers' access to markets

► Market Access: Volume of agricultural commodities sold annually through new structures/arrangements promoted by the project (Metric ton, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
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Value	0.00	14,035.14	32,089.00	33,760.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023

Objective 3: Support smallholder farmers (including female)

▶ Direct project beneficiaries (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	397,600.00	1,009,090.00	1,009,090.00	1,000,000.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023

□ Female beneficiaries (Percentage, Custom Supplement)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	29.00	38.30	38.30	35.00

▶ Clients reached by project financed Covid-19 response efforts (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	1,009,090.00	1,009,090.00	1,009,090.00	1,800,000.00
Date	22-Dec-2020	22-Dec-2020	19-Oct-2021	30-Jun-2023

Intermediate Results Indicators by Components

Enhancing Agricultural Technology Generation

▶ Collaborative research/extension sub-projects under implementation/completed (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	241.00	241.00	241.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023

Comments: This indicator measures the number of collaborative research or extension sub-projects under implementation or completed.

□ Collaborative research or extension sub-projects - under implementation (Number, Custom Breakdown)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	51.00	51.00	241.00



Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
<input type="checkbox"/> Collaborative research or extension sub-projects - completed (number) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	190.00	190.00	241.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
<input checked="" type="checkbox"/> Agriculture Innovation Fund: Technology adoption and marketing sub-projects under implementation or completed (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2,018.00	2,922.00	4,541.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023

Supporting Technology for Agricultural Development				
<input checked="" type="checkbox"/> Marketing solutions implemented by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	66.00	155.00	172.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
<input checked="" type="checkbox"/> Clients who have adopted an improved agr. technology promoted by the project (Number, Corporate)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	592,705.00	634,851.00	640,000.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
Comments:	This indicator measures the number of clients of the project who have adopted an improved agricultural technology promoted by the project.			
<input type="checkbox"/> Clients who adopted an improved agr. technology promoted by project – female (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	226,850.00	236,763.00	224,000.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
<input checked="" type="checkbox"/> Technologies demonstrated in the project areas (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	190.00	212.00	51.00



Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
Comments:	This indicator measures the number of unique technologies demonstrated by the project.			
► Client days of training provided (number) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	3,592,796.00	3,899,145.00	4,000,000.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023
Comments:	This indicator measures the number of client days of training provided i.e. the number of clients who completed training multiplied by the duration of training expressed in days.			
□ Client days of training provided - Female (number) (Number, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,375,094.00	1,375,094.00	1,400,000.00
Date	01-Jul-2015	17-Aug-2020	19-Oct-2021	30-Jun-2023

Project Management				
► Targeted clients satisfied with agricultural services (percentage) (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	94.00	93.00
Date	01-Jul-2015	30-Oct-2019	19-Oct-2021	30-Jun-2023
Comments:	The PMU has carried out clients' satisfaction survey recently which was presented during the last mission on September 8, 2021. The survey includes dis-aggregated data for the 3 IAs: DAE, DOF and DLS. On average for all the 3 IAs, the survey found 94% clients satisfied. The disaggregated figures are: 94.3%, 97.1% and 91.1%, respectively for DAE, DOF and DLS. The survey sample included 56,000 respondents: DAE: 24,000 (Male: 15,000, Female: 9,000; DOF:14,600 (Male: 8,760, Female:5,840) and DLS: 17,400 (Male: 10,440, Female: 6,960)			
□ Targeted clients satisfied with agricultural services - male (number) (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	95.10	604,500.00
□ Targeted clients satisfied with agricultural services - female (number) (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	93.30	325,500.00
□ Targeted clients- male (number) (Number, Custom Supplement)				





	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	655,908.00	650,000.00
□ Targeted clients – female (number) (Number, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	0.00	353,182.00	350,000.00

Performance-Based Conditions

Data on Financial Performance

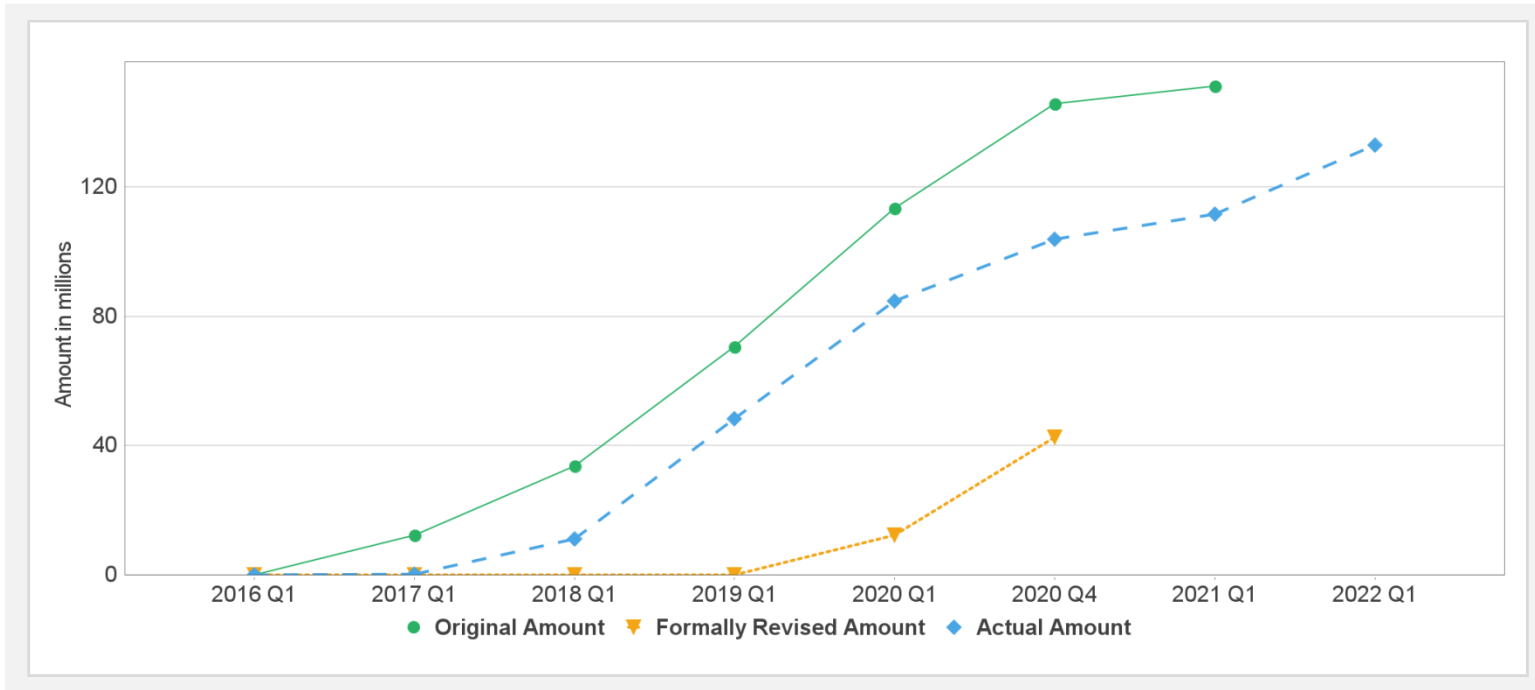
Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P149553	IDA-56650	Effective	USD	176.06	176.06	0.00	127.81	48.12	 73%
P149553	TF-A0720	Closed	USD	7.43	5.09	2.34	5.09	0.00	 100%

Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P149553	IDA-56650	Effective	05-Jun-2015	24-May-2016	05-Sep-2016	30-Sep-2021	30-Jun-2023
P149553	TF-A0720	Closed	05-Jun-2015	24-May-2016	05-Sep-2016	30-Sep-2018	30-Sep-2018

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 01-Mar-2021

Related Project(s)

There are no related projects.