



Mekong Delta Integrated Climate Resilience and Sustainable Livelihoods Project (P153544)

EAST ASIA AND PACIFIC | Viet Nam | Environment, Natural Resources & the Blue Economy Global Practice | IBRD/IDA | Investment Project Financing | FY 2016 | Seq No: 15 | ARCHIVED on 11-Mar-2024 | ISR58803 |

Implementing Agencies: Ministry of Agriculture and Rural Development, Ministry of Natural Resources and Environment, Vietnam, Ministry of Planning and Investment, State Bank of Viet Nam

Key Dates**Key Project Dates**

Bank Approval Date: 10-Jun-2016

Effectiveness Date: 23-Nov-2016

Planned Mid Term Review Date: 14-Oct-2019

Actual Mid-Term Review Date: 22-Oct-2019

Original Closing Date: 31-Dec-2022

Revised Closing Date: 30-Jun-2024

Project Development Objectives

Project Development Objective (from Project Appraisal Document)

The project development objectives (PDO) are to enhance tools for climate-smart planning and improve climate resilience of land and water management practices in selected provinces of the Mekong Delta in Vietnam.

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

No

Components Table

Name

Component 1: Enhancing Monitoring, Analytics, and Information Systems:(Cost \$47.90 M)

Component 2: Managing Floods in the Upper Delta:(Cost \$74.70 M)

Component 3: Adapting to Salinity Transitions in the Delta Estuary:(Cost \$78.73 M)

Component 4: Protecting Coastal Areas in the Delta Peninsula:(Cost \$81.90 M)

Component 5: Project Management and Implementation Support:(Cost \$10.90 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"/> Moderately Satisfactory	<input type="checkbox"/> Moderately Satisfactory
Overall Risk Rating	<input type="checkbox"/> Moderate	<input type="checkbox"/> Moderate

Implementation Status and Key Decisions

The project has achieved or is expected to achieve nearly all of its key targets before closing (June 30, 2024). Although the area with climate resilient land and water management practices (175,000 hectares) is still increasing, the project might not fully achieve its target of 200,000 hectares. However, more than 122,500 (86 percent) of project-supported households have adopted climate resilient practices, exceeding the target of 75 percent. Completed project activities, including civil works (dikes, sluice gates, dredging, embankments, monitoring stations), regional integrated planning, and promotion of alternative livelihood activities and cropping practices, are helping to address flooding and salinization risks, improve management of water and land resources, and strengthen resilience to climate impacts. Viet Nam's Mekong Integrated Regional Master Plan, developed with extensive stakeholder consultation, was launched in 2022. The Mekong Delta Center, which will serve as a hub for gathering,



coordinating, and disseminating information on water resources, land use, and environmental and climate change data, is nearing completion and will soon be fully operational. In addition, the central and provincial project management units are preparing a Post-Closure Action Plan to help ensure maintenance of project-financed infrastructure and continued government investment and support of activities related to the project's objectives .

Risks

Systematic Operations Risk-rating Tool

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

Results

PDO Indicators by Objectives / Outcomes

Enhance tools for climate-smart planning in the Mekong Delta				
▶ PDO Indicator 1. Access to relevant data and information on key parameters from MONRE for informing climate resilient planning (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	2.00	4.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	PDO Indicator 1 (i.e. access to relevant data and information on key parameters from MONRE for informing climate resilient planning), is currently assessed at a score of 2 out of the target 4. This is an increase from 1, thanks to the sharing of remote sensing data. It is expected to reach score 3 when 20 surface water monitoring stations are fully transferred to provincial Departments of Constructions and start sharing data. Score 4 will be accomplished as soon as all data are channeled and shared with feedback through Mekong Delta Center (as highlighted in Intermediate Result 1.1 under MONRE). Both are expected to be completed before the project closes.			



►PDO Indicator 2. Provincial and central stakeholders engagement informed the formulation of the Mekong Integrated Regional Master Plan (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1,889.00	1,889.00	1,500.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	31-Dec-2022
Comments:	No further changes are expected to this indicator as the Master Plan was launched in 2022.			

Improve climate resilience of land and water mgmt practices in selected Mekong Delta provinces				
►PDO Indicator 3. Area with climate resilient land and water management practices supported by the project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	172,364.00	174,952.00	200,000.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	174,952 ha, 87% of the target has been achieved. Five subprojects have successfully achieved their end targets, including SP6 (Tra Vinh, 104.8% of its end target), SP3 (Dong Thap, 103.8%), SP10 (Bac Lieu, 102.2%), SP2 (An Giang, 101.8%), and SP8 (Ca Mau, 100.2%). However, there are still some subprojects that have not fully reached their targets, including SP7 (Soc Trang, 97.3%), SP4 (Ben Tre, 87.8%), SP9 in Kien Giang (83.0%), and SP5 in Ben Tre (43.5%). It is noted that a significant area of SP5 (Ben Tre) reported by the Ben Tre PPMU has not been included in the M&E report as it has not been verified by the CPMU.			
►PDO Indicator 4. Project supported farm households who have adopted climate resilient land and water management practices (Percentage, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	85.00	86.00	75.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	This includes 122,599 households.			
►PDO Indicator 5. Direct project beneficiaries, (of which female) (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	787,885.00	919,998.00	1,200,000.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	The 918,998 beneficiaries is 77% of the 1,200,000 target. An increase is expected with more structural works being completed, although it is unclear if the target will be achieved.			



□ Percent of female beneficiaries (Percentage, Custom Supplement)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	49.00	49.00	40.00

Intermediate Results Indicators by Components

Component 1: Enhancing Monitoring, Analytics, and Information Systems				
▶ Intermediate Results Indicator 1.1. Mekong Delta Center established (Yes/No, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	No	No	No	Yes
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	Construction of the Mekong Delta Center is complete and equipment, including ICT systems, are currently being installed. The Center is expected to be fully completed by March 30, 2024 and operational by June 30, 2024.			
▶ Intermediate Results Indicator 1.2. Specialized studies supported by the project to facilitate climate resilient decision making (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	2.00	2.00	3.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	Two of the three studies have been completed (the Groundwater Survey and the River and Coastal Morphology study under MONRE). The third study under MARD has been shifted to GEF funding.			
▶ Intermediate Results Indicator 1.3. Monitoring stations established or upgraded through project support, and fully operational (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	67.00	47.00	50.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	The 67 stations consist of 47 groundwater and 20 surface water stations. The previous ISR included reported all 67 as fully operational. However, the 20 surface water stations have yet to be transferred (although they are fully constructed). As such, the reporting is revised to 47.			

Component 2: Managing Floods in the Upper Delta				
▶ Intermediate Results Indicator 2.1. Project supported farm households in selected provinces transitioned to third rice crop alternatives (Percentage, Custom)				



	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	100.00	100.00	75.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	Note only An Giang has transitioned to a third rice crop. Dong Thap did not have any transitioned area to a third rice crop.			
► Intermediate Results Indicator 2.2. Flood retention areas with water management infrastructure supported by the project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	18,209.00	20,438.00	24,000.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	Dong Thap (SP3) accounts for all 20,438 ha reported, an increase from 18,209 ha reported in the previous ISR. One August dike package in An Giang has been completed and is being handed over. Another line is almost completed. This target is likely to be fulfilled with these works.			
► Intermediate Results Indicator 2.3. August dikes rehabilitated and operational supported by the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	107.20	119.70	61.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	This includes 41.65 km in An Giang (SP2) and 78.03 km in Dong Thap (SP3). This is an increase from 30.6 km in An Giang and 76.6 km in Dong Thap reported in the previous ISR.			
► Intermediate Results Indicator 2.4. August dike sluice gates constructed and operational supported by the project (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	39.00	42.00	15.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	This includes 11 sluice gates in An Giang and 31 in Dong Thap. This is an increase from 10 in An Giang and 29 in Dong Thap in the previous ISR.			

Component 3: Adapting to Salinity Transitions in the Delta Estuary

► Intermediate Results Indicator 3.1. Farm households in selected provinces who have transitioned to climate resilient alternatives livelihoods supported by the project disaggregated by: (Percentage, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	86.10	90.10	75.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024



Comments:	This includes 94,691 households (54,881 and 39,810 for estuary provinces and peninsula provinces respectively) out of a total of 105,053 (an increase from 90,507 reported in the last ISR), i.e. 95.4% for estuary provinces and 83.8% for peninsula provinces			
<input type="checkbox"/> Estuary Provinces (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	86.10	95.40	75.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
<input type="checkbox"/> Peninsula Provinces (Percentage, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	86.10	83.80	75.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
► Intermediate Results Indicator 3.2. Brackish water aquaculture area in estuary provinces and peninsula provinces with sustainable and climate resilient infrastructure supported by the project (Hectare(Ha), Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	60,190.00	112,695.40	85,000.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	This consists of 8,679 ha from estuary provinces: 2,735 ha from Ben Tre (SP4), 3,721 ha from Ben Tre (SP5), 2,223 ha from Soc Trang (SP7); and 104,616 ha from peninsula provinces: 10,637.4 from Ca Mau (SP8), and 93,979 ha from Kien Giang (SP9).			
<input type="checkbox"/> Estuary Provinces (Hectare(Ha), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	5,033.00	8,679.00	45,000.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
<input type="checkbox"/> Peninsula Provinces (Hectare(Ha), Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	55,157.00	104,616.00	40,000.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
► Intermediate Results Indicator 3.3. River bank and coast line protection supported by the project (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	58.00	60.00	71.00



Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	This includes 37.6 km for river bank and 22.4 km for coastal line. Two remaining embankments in Ben Tre (SP5) are ongoing and will achieve the target when completed.			
<input type="checkbox"/> Coastal line (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	22.00	22.40	22.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
<input type="checkbox"/> River bank (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	36.00	37.60	49.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
► Intermediate Results Indicator 3.4. River Bank and coastal sluiceways constructed and operational through project support (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	4.00	5.00	6.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	This includes 3 in Tra Vinh (SP6) and 2 in Soc Trang (SP7).			
► Intermediate Results Indicator 3.5. Operational manuals for systems completed and adopted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	2.00	3.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	The O&M manual for Ben Tre (SP4) was approved in June 2023. The manual for the Nam Mang Thit system was completed and approved by MARD in March 2021. During ISM9, the O&M manual for SP7 was agreed to be cancelled.			

Component 4: Protecting Coastal Areas in the Delta Peninsula

► Intermediate Results Indicator 4.1. Coastal sluice gates constructed and operational through project support (Number, Custom)

	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	9.00	9.00	9.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024



Comments:	9 sluice gates have been completed in Kien Giang (no change from last ISR).			
► Intermediate Results Indicator 4.2. River bank and coast line protection supported by the project: (Kilometers, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	79.61	79.61	80.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	This includes 28.99 km for coast line protection and 50.62km for river bank protection. No change from last ISR.			
☐ Coastal line (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	28.99	28.99	19.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
☐ River bank (Kilometers, Custom Breakdown)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	50.62	50.62	61.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
► Intermediate Results Indicator 4.3. Operational manuals for systems completed and adopted (Number, Custom)				
	Baseline	Actual (Previous)	Actual (Current)	End Target
Value	0.00	1.00	1.00	2.00
Date	01-Mar-2016	29-Sep-2023	08-Jan-2024	30-Jun-2024
Comments:	The operations manual for Bac Lieu (SP10) has been completed and adopted. The manual for Kien Giang (SP9) has been finalized and is pending approval by the PPC.			

Performance-Based Conditions

Data on Financial Performance

Disbursements (by loan)

Project	Loan/Credit/TF	Status	Currency	Original	Revised	Cancelled	Disbursed	Undisbursed	% Disbursed
P153544	IDA-58450	Effective	USD	310.00	294.13	15.87	254.74	29.13	90%

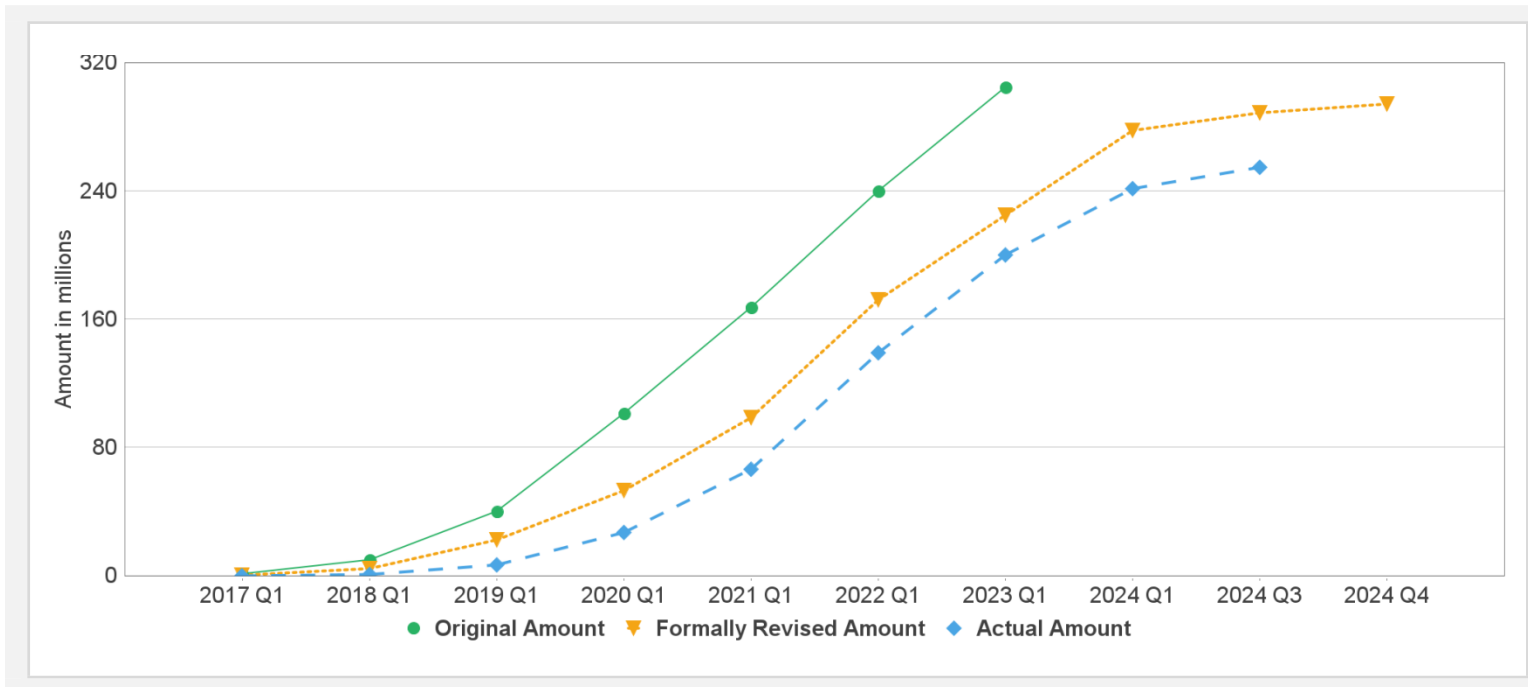


P159976	TF-A8261	Effective	USD	6.09	6.09	0.00	4.08	2.01	<div style="width: 67%; height: 15px; background-color: #4CAF50;"></div>	67%
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Key Dates (by loan)

Project	Loan/Credit/TF	Status	Approval Date	Signing Date	Effectiveness Date	Orig. Closing Date	Rev. Closing Date
P153544	IDA-58450	Effective	10-Jun-2016	11-Jul-2016	23-Nov-2016	31-Dec-2022	30-Jun-2024
P159976	TF-A8261	Effective	12-Oct-2018	12-Oct-2018	12-Oct-2018	31-Dec-2022	30-Jun-2024

Cumulative Disbursements



Restructuring History

Level 2 Approved on 10-Feb-2022 ,Level 2 Approved on 31-Dec-2022 ,Level 2 Approved on 23-May-2023

Related Project(s)

P159976-GEF Mekong Delta Integrated Climate Resilience and Sustainable Livelihoods Project