

## Project Implementation Monitoring Report (#5)

Reporting Period From 2023/07 To 2023/12

## India : The Resilient Kerala Program

## 1. Project Information

Project ID:	P000463	Instrument ID:	L0463A
Member:	India	Region:	Southern Asia
Sector:	Water	Sub-sector:	Water disaster resilience
Instrument type:	<input checked="" type="checkbox"/> Loan:125.00 US Dollar million <input type="checkbox"/> Guarantee	Lead Co-financier (s):	World Bank
ES category:	B	Borrowing Entity:	Ministry of Finance, India
Implementing Entity:	Not Applicable		
Project Team Leader:	Ankur Agrawal		
Responsible DG:	Rajat Misra		
Responsible Department:	INF1		
Project Team Members:	Bernardita Saez, Project Counsel; Aditi Khosla, Alternate Counsel; Yogesh Malla, OSD - Financial Management Specialist; Jingrong He, OSD - Procurement Specialist; Parthapriya Ghosh, OSD - Environment & Social Development Specialist; Jinghui Li, Project admin		
Current Red Flags Assigned:	0		
Current Monitoring Regime:	Regular Monitoring		
Previous Red Flags Assigned:	0		
Previous Red Flags Assigned Date:	2023/06		

## 2. Project Summary and Objectives

The Program objective is to enhance the State of Kerala's resilience against the impacts of climate change and natural disasters, including disease outbreaks and pandemics. The Program for Results (PforR) supports the implementation of the two key government programs – the Rebuild Kerala Development Program (RKDP) and the State Health Mission (SHM) – by adopting an integrated framework to enhance Government of Kerala (GoK)'s fiscal and institutional resilience against the impacts of climate change and natural disasters including disease outbreaks. The Program operates at two levels: across the State and in the districts adjoining the Pamba River. While system improvements, establishment of rules and norms, and institutional building activities will apply to the entire State, activities that aim to demonstrate an integrated multi-dimensional resilience approach will focus on the Pamba River Basin and the districts along the river. The Program also supports the SHM, which aims to improve availability of and access to quality health care by people, especially for those residing in rural areas, the poor, women and children. As a subset of the government programs covering the broad resilience agenda, the boundaries of the PforR have been defined to include the following high priority sectors under AIIB financing - Health, Road, Urban, Water Resources Management (WRM), Agriculture, Disaster Risk Management (DRM) and Fiscal & Governance. The PforR is supporting two Results Areas (RAs) that contribute to the overall outcomes of the government programs - RA1: Strengthening transversal systems for resilience; and RA2: embedding resilience in key economic sectors.

## 3. Key Dates

## Project Implementation Monitoring Report (#5)

Reporting Period From 2023/07 To 2023/12

Approval:	Jul. 15, 2021	Signing:	Aug. 10, 2021
Effective:	Dec. 17, 2021	Restructured (if any):	
Orig. Closing:	Dec. 31, 2026	Rev. Closing (if any):	

**4. Disbursement Summary (USD million)**

Contract Awarded:		Cancellation (if any):	0.00
Disbursed:	17.26	Latest disbursement (amount/date):	2.00/Oct. 26, 2023
Undisbursed:	107.74	Disbursement Ratio (%) <sup>1</sup> :	13.81

**5. Project Implementation Update**

As the Program is based on the PforR instrument, the Program funds will be disbursed on the satisfactory achievement of the Disbursement-Linked Results (DLRs), which are the yearly targets of Disbursement-linked Indicators (DLIs), as verified by an Independent Verification Agent (IVA), following the agreed verification protocols. The Program includes following DLIs: DLI 1: Fiscal sustainability of GoK to cope with disease outbreaks and natural disasters is strengthened; DLI 2: Disaster-related adaptive safety net system of GoK is strengthened; DLI 3: Disaster risk financing and insurance capacity of GoK and vulnerable households in Kerala are improved; DLI 4: Urban local bodies developed and sanctioned risk-informed urban master plans and priority action plans; DLI 5: Climate risk information integrated into local body Disaster Risk Management (DRM) plans; DLI 6: Capacity to track and respond to zoonotic disease outbreaks of human importance in a timely manner; DLI 7: Integrated river basin management plan is developed for Pamba Basin, and implementation commenced; DLI 8: Farmer producer organizations have increased access to new and organized markets; and DLI 9: Core Road Network (CRN) is rehabilitated and/or maintained to meet resilient service standards in the Pamba Basin. AIIB has financed DLI 1,4,5,6,7,8 and 9.

All the Year 1 targets have been achieved except DLI1 year one target which is under progress. For Year 2, DLI5 and DLI8 have been achieved while DLI6 and DLI7 are under progress. All Program Action Plans (PAP) under the Program Management have been achieved.

Components	Physical Progress	Environmental & Social Compliance	Procurement
DLI1: Sustainable Fiscal and Debt Management	The Debt Management Plan (DMP) is being finalized and is expected to be completed by Q2CY24.	N/A	N/A
DLI4: Urban Local Bodies (ULBs) with sanctioned risk-informed Master Plans and Priority	The Year 1 target has been achieved; guidelines for risk-informed master planning and the	N/A	N/A

<sup>1</sup> Disbursement Ratio is defined as the volume (e.g. the dollar amount) of total disbursed amount as a percentage of the net committed volume.

## Project Implementation Monitoring Report (#5)

Reporting Period From 2023/07 To 2023/12

Action Plans	training program for urban local bodies in the Pamba Basin districts have been prepared. There was no Year 2 target under this DLI. The work to achieve Year 3 target is ongoing. KILA has been conducting consultation meetings for the preparation of training modules and the training calendar.		
DLI5: Climate risk Information integrated into local Disaster Risk Management (DRM) plans	The Year 1 and Year 2 targets have been achieved. 200 Local Governments in Pamba Basin districts have integrated climate information into the local body disaster risk management plans. Local Self Government Department (LSGD) has developed and notified guidelines for the DCAT tool for the preparation of Disaster Management Plan (DMP) and Local Action Plan on Climate Change (LAPCC).	N/A	N/A
DLI6: Capacity development of GoK to track and respond to zoonotic disease outbreaks of human importance in a timely manner is strengthened.	The Year 1 target has been achieved. Under Year 2 target, Department of Health and Family Welfare was supposed to provide training to 250,000 LGs on protocols for community based One Health (OH) surveillance in Pamba Basin districts. For this, the training modules have been developed and the program management support units are being established at state level and at district level.	N/A	N/A
DLI7: Integrated River Basin Management Plan for Pamba Basin	The Year 1 target has been achieved. Under Year 2 target, the draft River Basin	N/A	N/A

## Project Implementation Monitoring Report (#5)

Reporting Period From 2023/07 To 2023/12

developed, and implementation commenced	Conservation and Management Authority Bill has been prepared and is awaiting legislative approval.		
DLI8: Farmer Producer Organization (FPOs) have increased access to new and organized markets	The Year 1 and Year 2 targets have been achieved. The Department of Agriculture through Small Farmer Agribusiness Consortium has formed 12 FPOs in Pamba Basin districts and strengthened the existing 13 FPOs. a total of 16,179 farmers have been mobilised into the 25 FPOs.	N/A	N/A
DLI9: Number of KMs of Core Road Network (CRN) rehabilitated and/or maintained to resilient standards in Pamba Basin	The Year 1 target has been achieved. There was no Year 2 target. For Year 3 target, the Road Maintenance Management System data collection system has been initiated to generate Forward Works Program. Further, a total of 410 KM of roads have been identified and have been recommended for feasibility assessment.	N/A	N/A

**Financial Management:**

**Financial Management:** The Program's external audit report for FY21-22 which was due on March 31, 2023 has now been submitted (with delay of about nine months). AIIB has flagged some issues such as the audit report not properly reflecting the co-financing arrangement. The report is being reviewed by the lead co-financier (World Bank). The internal auditors have also been hired but with significant delay. This reflects the initial challenges in the Program implementation. AIIB will closely coordinate with WB to avoid future delays. There are no outstanding PAP actions.

**Procurement:** No substantial procurement implementation or compliance issue were identified during the period. The Program Action Plan (PAP) actions like the issuance of guidance note to enhance procurement accountability and transparency through mandatory use of e-procurement portal, and the streamlined complaint handling and debarment process. From the implementation perspective, progress was made with the finalization of TOR and the team composition (PIA side) of internal auditors. Additionally, continuous efforts were made to incorporate E&S requirements into procurement document to make it binding to contractors. There are no outstanding PAP actions.

**Project Implementation Monitoring Report (#5)**

Reporting Period From 2023/07 To 2023/12

---

**6. Status of the Grievance Redress Mechanism (GRM)**

Kerala has an existing well-functioning central Grievance Redressal Mechanism. The Standard Operating Procedure (SOP) of the Program specific GRM is being finalized. During the period July 2023-September 2023, 38 complaints were received and stands resolved. In total, 210 grievances have been received and there are no outstanding issues. Most of the complaints were related to access to property, drainage works, dust pollution and damage of compound wall. The GRM is being continuously strengthened through awareness trainings. The PAP on GRM (integration of the GRM with the RKI Project Monitoring System) is not yet completed. While different GRM systems are functional, an integrated reporting and tracking is required. The mission advised RKI to expedite this pending action- revisit the SOP, map it against the existing systems in the state and Implementing Agencies, consult and seek inputs from the Implementing Agencies, pilot and then roll out.

---

**7. Results Monitoring (please refer to the full RMF, which can be found on the last page of this PIMR)**

Results are being monitored and verified by an Independent Verification Agency (IVA).

**Remarks:**

---

Project Objective Indicators	Indicator level	Unit of Measure	Cumulative Target Values													Frequency	Responsibility	Comments	
			Baseline		2021		2022		2023		2024		End Target						
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year	Target	Actual				
People are benefiting from local DRM plans and One Health Community Surveillance systems in Pamba Basin districts	Project	Number (gender disaggregated)	2021	State level DRM plans and emergency response protocols are in place, but local level preparedness to disasters and disease outbreaks is low.		NA		NA		NA						3.9 million people are benefiting from local DRM plans and One Health Community Surveillance systems in Pamba Basin districts.	Once	RKI (PMU)	
People are benefiting from flood early warning services and flood protection measures in Pamba Basin	Project	Number (gender disaggregated)	2021	0.0												4.8 million people are benefiting from flood early warning services and flood protection interventions in Pamba Basin districts.	Once	RKI (PMU)	

Project Intermediate Indicators	Indicator level	Unit of Measure	Cumulative Target Values													Frequency	Responsibility	Comments	
			Baseline		2021		2022		2023		2024		End Target						
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year	Target	Actual				
ULBs developed and sanctioned risk-informed Urban Master Plans and Priority Action Plans	Project	Number	2021	Urban Master Plans are not risk-informed; many are not sanctioned; and few are implemented.	Department of Town and Country Planning (DTCP) and KILA have developed and notified guidelines and training program for risk-informed master planning for ULBs.	Yes			NA		DTCP and KILA have provided training to at least 9 ULBs in Pamba Basin districts on risk-informed urban master planning.	Under progress				At least 4 ULBs in Pamba Basin districts have developed and sanctioned the final urban master plans and priority action plans.	Bi-Annual	LSGD	

Climate risk information is integrated into local DRM plans	Project	Number	2021	There is a lack of integration and use of local level climate risks to strengthen local level preparedness.	KSDMA has downscaled climate models and provided this information to all LSGs in the State.	Yes	200 LSGs in Pamba Basin districts have integrated climate information into the local body disaster risk management	Yes	100 LSGs in Pamba Basin districts have been assessed through DCAT and achieved the target of 30% co-benefits.	Under progress	150 LSGs in Pamba Basin districts have satisfactorily completed local level emergency management exercises coordinated by KSDMA as per the updated local body disaster risk management plans	150 LSGs have been assessed through DCAT and achieved enhanced target of 50% co-benefits.	Annual	LSGD
DCAT tool is developed and adopted for assessing climate adaptation and mitigation investments	Project	(Yes/No)	2021	No		NA		NA				Yes	Once	RKI (PMU)
Capacity of GoK is enhanced in disaster and climate risk-informed urban and DRM planning	Project	Number	2021	GoK lacks capacity to integrate DRM and climate risk into planning and tools to enforce Urban and DRM plans as well as to monitor climate change co-benefits.	200 LSG resource persons and functionaries are trained in climate-informed DRM investment planning, DCAT, and risk-informed urban master planning.	Yes	700 LSG resource persons and functionaries are trained in climate-informed DRM investment planning, DCAT, and risk-informed urban master planning.	No	1200 LSG resource persons and functionaries are trained in climate-informed DRM investment planning, DCAT, and risk-informed urban master planning		1700 trained LSG resource persons and functionaries are mobilized for climate-informed DRM investment planning, DCAT, and risk-informed urban master planning.	1700 trained LSG resource persons and functionaries are mobilized for climate-informed DRM investment planning, DCAT, and risk-informed urban master planning.	Annual	RKI (PMU)
Capacity to track and respond to zoonotic disease outbreaks of human importance in a timely manner is strengthened through the enhanced One Health platform at the local level	Project	a) Number b) Percentage	2021	No formal district level One Health coordination platform. No community based One Health surveillance protocols and systems.	DoHFW has operationalized district level One Health coordination platform with trained and certified staff in Pamba Basin districts.	Yes	DoHFW has provided training to 250,000 LSG and Kudumbashree members on protocols for community based One Health surveillance in Pamba Basin districts.	No	DoHFW undertakes routine joint disease outbreak investigations and inspections in 4 Pamba Basin districts.		At least 150 LSGs are implementing community based One Health surveillance in Pamba Basin districts.	DoHFW has identified and controlled at least one zoonotic disease outbreak of human importance in Pamba Basin districts in a year	Annual	RKI (PMU)
Integrated River Basin Management Plan is developed and implemented for Pamba Basin	Project	(Yes/No)	2021	No Integrated River Basin Management Plan has been developed for Pamba Basin.	WRD has developed flood forecasting and integrated reservoir operation systems for Pamba Basin.	Yes	RBCMA is fully operational with technical and operational staff.	No	WRD has adopted and operationalized integrated River Basin plan for Pamba Basin.		WRD has interfaced the WRM systems with KSDMA, DoA, PWD and LSGD.	WRD has implemented at least two critical investments identified in the Integrated River Basin Management Plan for	Annual	WRD

														Pamba Basin.				
CRN is rehabilitated and/or maintained to meet resilient service standards in the Pamba Basin	Project	(Yes/No)	2021	Zero km of CRN meeting resilient service standards in the Pamba Basin.	CRN is rehabilitated and/or maintained to meet resilient service standards in the Pamba Basin	Yes			Forward Works Program is generated for at least 6000 km of CRN with budgetary allocation.					At least 400 km of CRN is meeting resilient standards in Pamba Basin with sustainable asset management practices established.		Bi-Annual	PWD	