



India: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project

Project Name	Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project												
Project Number	49107-009												
Country / Economy	India												
Project Status	Active												
Project Type / Modality of Assistance	Grant Loan												
Source of Funding / Amount	<table border="1"><tr><td colspan="2">Loan 4113-IND: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project</td></tr><tr><td>Ordinary capital resources</td><td>US\$ 251.00 million</td></tr><tr><td colspan="2">Grant 0836-IND: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project - Additional Financing</td></tr><tr><td>Global Environment Facility Grant</td><td>US\$ 6.88 million</td></tr><tr><td colspan="2">Grant 9232-IND: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project - Additional Financing</td></tr><tr><td>Japan Fund for Prosperous and Resilient Asia and the Pacific</td><td>US\$ 2.00 million</td></tr></table>	Loan 4113-IND: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project		Ordinary capital resources	US\$ 251.00 million	Grant 0836-IND: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project - Additional Financing		Global Environment Facility Grant	US\$ 6.88 million	Grant 9232-IND: Integrated Urban Flood Management for the Chennai-Kosasthalaiyar Basin Project - Additional Financing		Japan Fund for Prosperous and Resilient Asia and the Pacific	US\$ 2.00 million
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Operational Priorities	OP1: Addressing remaining poverty and reducing inequalities OP2: Accelerating progress in gender equality OP3: Tackling climate change, building climate and disaster resilience, and enhancing environmental sustainability OP4: Making cities more livable OP5: Promoting rural development and food security OP6: Strengthening governance and institutional capacity OP7: Fostering regional cooperation and integration												
Sector / Subsector	Water and other urban infrastructure and services / Urban flood protection												
Gender	Effective gender mainstreaming												
Description	The project will strengthen climate and disaster resilience in the Chennai-Kosasthalaiyar River basin. It will reduce the exposure of 1.9 million people to seasonal flooding by (i) improving climate-resilient urban flood protection infrastructure; (ii) enhancing urban flood preparedness of the Greater Chennai Corporation (GCC), the civic body that governs the city of Chennai, and project communities; and (iii) establishing measures for sustaining the operation and maintenance (O&M) of the stormwater drainage system in the GCC.												
Project Rationale and Linkage to Country/Regional Strategy	Chennai is ranked the most vulnerable to climate change among large Indian cities. The city is relatively low and flat and three major rivers traverse a coastal bowl. In 2015, severe flooding claimed more than 400 lives. The floods destroyed property and livelihoods particularly of the poor and other vulnerable groups residing next to water bodies. With rapid urbanization, the city's floodwater retention capacity is constrained and diminished. Flood risk management is inadequate due to the inappropriate urban planning, limited flood forecasting and early warning systems, and inadequate response capacity and awareness of the GCC and communities. The project reinforces pillars 2 and 3 of ADB's country partnership strategy for India, 2018-2022 by supporting inclusive urbanization and improving climate and disaster resilience.												
Impact	Chennai City made a safe place to live in, with reduced vulnerability to disaster												
Project Outcome													
Description of Outcome	Climate and disaster resilience in the Chennai-Kosasthalaiyar River basin strengthened												
Progress Toward Outcome													
Implementation Progress													
Description of Project Outputs	Climate-resilient urban flood protection infrastructure improved in the Chennai-Kosasthalaiyar River basin Urban flood and epidemic preparedness of the GCC and project communities enhanced Measures for sustaining O&M of stormwater drainage system established in the GCC												
Status of Implementation Progress (Outputs, Activities, and Issues)	All 46 civil works packages have been awarded and construction works are ongoing and Project Support Consultants have been mobilized. Recruitment of Institutional Strengthening and Reform Consultant is ongoing.												
Geographical Location	Chennai												
Safeguard Categories													
Environment	B												
Involuntary Resettlement	B												
Indigenous Peoples	C												
Summary of Environmental and Social Aspects													
Environmental Aspects	Initial Environmental Examination (IEE) report including the Environmental Management Plan (EMP) for the proposed improvement of storm water drainage systems has been prepared by GCC. No works will commence in the Coastal Regulation Zone until clearance is obtained. The IEE has been disclosed in the ADB and GCC websites and will be updated before contract award. EMP is included in the construction contract.												
Involuntary Resettlement	Three (3) resettlement plans had been prepared by GCC. No land acquisition is envisaged. Efforts have been made in detailed design to avoid or minimize resettlement impact through careful design. These resettlement plans have disclosed in ADB website and will be updated before the contract award.												

Indigenous Peoples No direct or indirect impacts are anticipated on the dignity, human rights, livelihood systems or territories, or natural or cultural resources that are used, owned, occupied, or claimed by indigenous peoples as their ancestral domain or assets.

Stakeholder Communication, Participation, and Consultation

During Project Design	Meaningful consultations with stakeholders and affected people were conducted and information were disclosed.
During Project Implementation	Grievance redress mechanism (GRM) will be established to cover both environmental and social issues of the project components, and interdepartmental concerns related to utility shifting and/or damages to utilities. The GRM will be established to evaluate and facilitate the resolution of affected persons concerns, complaints, and grievances related to social and environmental issues related to the project in a time-bound manner. The GRM will be disclosed to the affected communities and households prior to the mobilization of contractors for the project.

Business Opportunities

Consulting Services	TBD
Procurement	TBD

Responsible ADB Officer	Majumder, Sourav
Responsible ADB Department	South Asia Department
Responsible ADB Division	India Resident Mission (INRM)
Executing Agencies	Municipal Administration and Water Supply Dep't

Timetable

Concept Clearance	10 Mar 2020
Fact Finding	15 Feb 2021 to 26 Feb 2021
MRM	10 Jun 2021
Approval	23 Sep 2021
Last Review Mission	-
Last PDS Update	19 Sep 2022

Grant 0836-IND

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
03 Jun 2022	16 Aug 2022	21 Nov 2022	30 Jun 2026	-	-

Financing Plan			Grant Utilization			
	Total (Amount in US\$ million)		Date	ADB	Others	Net Percentage
Project Cost	226.38		Cumulative Contract Awards			
ADB	0.00		16 Nov 2023	0.00	0.67	10%
Counterpart	219.50		Cumulative Disbursements			
Cofinancing	6.88		16 Nov 2023	0.00	0.00	0%

Status of Covenants						
Category	Sector	Safeguards	Social	Financial	Economic	Others
Rating	-	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory

Grant 9232-IND

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
04 Nov 2022	23 Dec 2022	14 Feb 2023	30 Apr 2026	-	-

Financing Plan			Grant Utilization			
	Total (Amount in US\$ million)		Date	ADB	Others	Net Percentage
Project Cost	4.61		Cumulative Contract Awards			
ADB	0.00		16 Nov 2023	0.00	0.00	0%
Counterpart	2.61		Cumulative Disbursements			
Cofinancing	2.00		16 Nov 2023	0.00	0.00	0%

Status of Covenants						
Category	Sector	Safeguards	Social	Financial	Economic	Others

Rating	-	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory
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Loan 4113-IND

Milestones					
Approval	Signing Date	Effectivity Date	Closing		
			Original	Revised	Actual
23 Sep 2021	26 Oct 2021	07 Jan 2022	31 Dec 2027	-	-

Financing Plan		Loan Utilization			
	Total (Amount in US\$ million)	Date	ADB	Others	Net Percentage
Project Cost	251.00	Cumulative Contract Awards			
ADB	251.00	16 Nov 2023	229.99	0.00	92%
Counterpart	0.00	Cumulative Disbursements			
Cofinancing	0.00	16 Nov 2023	122.49	0.00	49%

Status of Covenants						
Category	Sector	Safeguards	Social	Financial	Economic	Others
Rating	-	Satisfactory	Satisfactory	Satisfactory	Satisfactory	Satisfactory

Project Page <https://www.adb.org/projects/49107-009/main>

Request for Information <http://www.adb.org/forms/request-information-form?subject=49107-009>

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