India: Chennai City Partnership Sustainable Urban Services Program

1. Project Information

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Project ID:	P000477	Instrument ID:	L0477A						
Member:	India	Region:	Southern Asia						
Sector:	Urban	Sub-sector:	Urban public services						
Instrument type:		Lead Co-financier (s):	World Bank						
ES category:	В	Borrowing Entity:	Ministry of Finance, India						
Implementing Entity:	The State of Tamil Nadu	Borrowing Entirey:	Timistry of Finance, maid						
Project Team Leader:	Ronald Muana								
Responsible DG:	Rajat Misra								
Responsible Department:	PSC1								
Project Team Members:	Liu Yang, Alternate Counsel; Shodi Nazarov, SFD - Financial I Guoping Yu, SFD - Procurement Ronald Muana, Team Member; Jinghui Li, Team Member; Jyosyula Siva Rama Krishna Sas Jinghui Li, Project admin	Shodi Nazarov, SFD - Financial Management Specialist; Guoping Yu, SFD - Procurement Specialist; Ronald Muana, Team Member; inghui Li, Team Member; yosyula Siva Rama Krishna Sastry, SFD - Environment & Social Development Specialist;							
Completed Site Visits by AIIB:	Mar, 2022 Kick off Mission March 21 to April 5th (joined virtually) Sep, 2022 Joint mission with WB Mar, 2023 Joint mission with WB Sep, 2023 Joint Technical Mission with World Bank. Ronald Muana (PTL), Mohan Dharmapuram (Water Engineering Consultant) Nov, 2023 Joint Supervision Mission with World Bank. Ronald Muana (PTL). Jitender Pal (Urban Consultant) Jun, 2024 Joint Supervision Mission with World Bank. Ronald Muana (PTL). Mohan Dharmapuram								
Planned Site Visits by	Nov, 2024								
AIIB:	(Tentative) Joint Supervision M	ission with World Bank							
Current Red Flags	0								
Assigned:									
Current Monitoring Regime:	Regular Monitoring								
Previous Red Flags Assigned:	0								
Previous Red Flags Assigned Date:	2023/11								

2. Project Summary and Objectives

The Program objective is to strengthen institutions and improve the quality and financial sustainability of selected urban services in the Chennai Metropolitan Area (CMA).

The southern State of Tamil Nadu is one of India's most urbanized and economically advanced states. The Chennai Metropolitan Area (CMA) dominates the State's demographic and economic landscape. However, CMA is facing tremendous infrastructure deficits and low service quality in core urban sectors such as water resource management (WRM), water supply and sanitation (WSS), urban mobility, solid waste management (SWM), and public health. CMA is also highly vulnerable to natural disasters, climate change, and, as the COVID-19 emergency revealed, to pandemics. Given these challenges, the Government of Tamil Nadu (GoTN) set up a multi-phased urban service improvement program for 2021-2030 (Chennai 2030 program) to transform Chennai into a city that is green, livable, competitive, and resilient. The Project will support Phase 1 of the Chennai 2030 program with USD701 million in financing over five years (2021-2026) using the Program for Results (PforR) financing instrument. The Project will focus on improving the delivery of selected metro-level services. Under the PforR instrument, Project funds will be disbursed by the WB and AIIB to the Government of India (GoI) upon the satisfactory achievement of yearly targets for Disbursement-Linked Indicators (DLIs) after verification by an Independent Verification Agent (IVA).

3. Key Dates

Approval:	Nov. 11, 2021	Signing:	Nov. 30, 2021
Effective:	Mar. 02, 2022	Restructured (if any):	Sep. 13, 2022
Orig. Closing:	Dec. 31, 2026	Rev. Closing (if any):	

4. Disbursement Summary (USD million)

Contract Awarded:		Cancellation (if any):	0.00		
Disbursed:	35.69	Latest disbursement (amount/date):	1.00/Jun. 11, 2024		
Undisbursed:	114.31	Disbursement Ratio (%)1:	23.79		

5. Project Implementation Update

The CCP Program's implementation is progressing well, with disbursements increasing from 3.12% to 23.79% since the last mission in November 2023. This fiscal year's annual disbursements have surpassed projections. Significant reforms have been accomplished in implementation agencies Chennai Unified Metropolitan Authority (CUMTA), Metropolitan Transport Corporation (MTC), Greater Chennai Corporation (GCC), and Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB). To date, 15 out of 67 DLRs have been completed. Environmental and Social experts, and Nodal officers in all CCP agencies, are engaged, enhancing oversight for executing the Program Action Plan. The first training program covering "Environmental Components & Compliances" and a "Preliminary Session on Social Components" was successfully conducted in June.

DLIs that were completed in the last semester include.

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

- Year 2 DLR 10: CMWSSB achieved 15.02 percentage points of incremental O&M cost recovery in FY 2021-22 over the baseline of 55.30 percent.
- Year 2 DLR 5.2 & 5.3: GCC increased the number of Urban Primary Healthcare Centers (UPHCs) to 20 centers, providing at least seven of the 12 Comprehensive Package of Primary Health Care (CPHC) service packages. GCC also achieved an increase of 59.85 percent over the baseline in terms of public and private health facilities submitting the weekly reports in FY 22-23 to track case incidences and improve disease surveillance.
- Year 2 DLR 6.1: Public Transport Service Contract (PTSC) agreement was achieved for a contract period of 5
 years, between the DoT of GoTN and MTC, mandating the VGF mechanism.
- Year 1 DLR 8.2: Service Performance Agreement between CMWSSB and GoTN's Departments of Municipal Administration and Water Supply, on March 07, 2024
- Year 2 DLR 5.4: 12 UPHCs received NQAS full certification over the previous year.

Civil works components are however lagging. The Project faces delays in DLIs that require wider groundwork, namely:

- Year 1 DLR 1: ("Staffing-related targets in GCC"). Updating the staffing plan is still ongoing due to delays due to new legislation. Discussion in the next section
- Year 1 DLR 3: ("Water resource development"). Delayed. Discussion in the next section
- Year 1 DLR 7 & 8 (Improved Operational Efficiency in Water Supply & Improved Access to Water Supply). Delayed. Discussion in the next section

Due to Due to the delay of the abovementioned DLRs, restructuring is proposed. TNIDB will work closely with all agencies to formulate the project restructuring proposal (including the revised disbursement formula) and submit it to AIIB and WB by July 30, 2024. The Project Team is closely coordinating the preparation of the restructuring proposal.

The proposed mission in November 2024 will be 'Mid Term Review'.

Components	Physical Progress	Procurement					
DLI 1. Reduction in vacancy rates of Group A and B cadre of GCC to enhance professional capability. Group A and B are the grades for the professional level	Status: • Year 1 & 2 DLRs are delayed but expected to be completed within the year • DLR on expanded recruitment modality using TNPSC to be replaced with Anna Univ and restructuring proposal is ready to be sent via TNIDB to DEA. Government Order (GO) for using Anna Univ is already in place. GO for revised staffing pattern for Group A & B cadres in GCC following the new	N/A	N/A				

Municipal Act is in	
advanced stages of	
approval in GoTN -	
filling up of vacancies at	
GCC expected to start	
immediately thereafter	
(for meeting balance	
HR DLIs)	
Notification has been	
issued for the	
recruitment of about 50	
posts in the Group B	
cadre (assistant	
engineers) through	
Anna University (with	
30% women	
recruitment).	
DLI 2. CUMTA's environmental and social N/A	
Operationalization • Minor delays, but experts are tasked to: provide	
of Chennai Unified overall good progress operational support on matters	
Metropolitan with hiring activities: related to planning, project	
Transport DLR 2.3 target of 20 execution, and operational	
Authority (CUMTA) staff by Year 2 (Feb efficiency in their respective	
with enhanced 2024) has been delayed environmental and social area.	
capacity and to June 2024. 19 staff in Their assignment includes review	
control over sector place, 1 staff expected of documents, monitoring KPIs,	
budget allocation to join by June 15, supporting field activities, and	
to oversee urban 2024. 2 on deputation carrying out periodic assessments.	
mobility in the from GCTP and	
metropolitan Transport Dept CUMTA's environmental expert	
areas. planned. Launch (Ms. Akila onboarded March 2023)	
verification next week and social expert (Mr. Bosco,	
for DLR 2.3 onboarded Nov 2023) are carrying	
Comprehensive out their capacities. In addition to	
Mobility Plan (CMP) in delivering reporting and	
progress: Household coordination tasks, they are	
surveys completed. involved in the household surveys,	
Delay in finalization Training of Trainers, and	
from June to stakeholder discussions.	
September 2024.	
• CUMTA Act	
Amendments and	
associated rules in the	
process; targetted to be	
concluded in July 2024.	
• CUMTA sub-	
committees being	
convened flexibly: Road	
Safety and MMI sub-	
committees are	
operating actively,	
while Digital Chennai	
and Urban Mobility	

	Resilience sub- committees are tapped upon strategically.		
DLI 3. Strengthened institutions for coordinated water management and security.	Status: • DLR 3.1 (Water Act): The draft Water Act has been prepared and has gone through the review of the State Planning Committee. The next step is the submission of the updated draft Water Act to the State's Law Department by September 2024 (delayed from the prior target of Jan 2024) to be followed by the final submission of the draft Water Act to the Cabinet. • DLR 3.2 (Water Regulatory Authority): This can only be initiated after the Water Act is adopted, which is highly unlikely to happen under the Program as it is a political decision. Discussions for alternative (interim) arrangements are ongoing with the management of WRD, i.e. restructuring the target to a creation of a dedicated groundwater monitor cell in WRD with MIS and GIS monitoring systems. There are an estimated 1.7 million tubewells in the state. Such a change would be part of a restructuring. • DLR 3.3 (Water Security Plan): WRD has hired a consulting firm to prepare the Plan. The Plan is ready in the	N/A	N/A
	draft and will be finalized by the end of		

	July, followed by adoption by the government, aimed for the end of September 2024. • DLI 3.4 (Decision Support System): Tender for SCADA equipment was floated but canceled as arrangements for the building to house the equipment have yet to be completed (target by end of June).		
	Retendering for SCADA		
	equipment was		
	targeted for July 2024.		21/2
DLI 4. Enhance efficiency and transparency of public procurement in GCC and Chennai Metropolitan Water Supply and Sewerage Board (CMWSSB).	Status DLR 4.1: Prepare and adopt e-procurement roadmap: completed, independent verification agency (IVA) to submit verification report for GCC and CMWSSB DLR 4.2: Prepare standard bidding documents: completed, IVA to submit verification report. DLR 4.3: Complete Staffing and Training for all procurement staff: completed, IVA to submit verification report.	Considerations for environmental, health, and safety are being incorporated into the standard bidding documents.	N/A
DLI 5. GCC's health	Status:	N/A	N/A
system strengthened through improved access to services and quality of care:	 DLR 5.1: Completed DLR 5.2: 20 facilities have been verified and are providing 7 packages; the target for Year 3 (i.e., 20 UPHCs) is on track. DLR 5.3: GCC has almost achieved the Program end target of 60% increase (reported progress at 59.85% over baseline); expected to meet the remaining 0.15% by Q3. DLR 5.4: 12 facilities 		

	have received the full certification; on track to achieve the target for Year 3 (i.e. 20 UPHC/UCHC)		
DLI 6. Performance- based contracts for bus service delivery to enhance quantity and quality of bus services.	Status: DLR 6.1 (Public Transport Service Contract (PTSC) between GoTN and MTC): completed; GO issued in October 2023. Fifty percent of existing buses are under VGF mechanism, exceeding the 30% target. DLR 6.2 (500 buses contracted): Construction of depots and terminals in progress, along with power connections for e-buses. On-going bidding for 500 e-buses OLR 6.3 (500 buses contracted): On-going preparation of bidding for the next 500 e-buses	N/A	On-going bidding for DLR 6.2 (500 buses) is targeted to be completed by Q4 2024. Bidding for DLI 6.3 (500 buses) is targeted to be initiated by Q4 2024.
DLI 7. Improved operational efficiency in water supply.	Status: • DLR 7.1 (Policy for customer metering): Archived, disbursed in April 2023. • DLR 7.2 (Bulk water metering): Awarded in Oct 2023; Expected completion by Dec 2024; Disbursed by Mar 2025 • DLR 7.3 (PBC in zones 10 & 13): Delayed. The consultant WATCO prepared draft bidding documents for two water systems. Business model to be updated to reflect Project Team	N/A	Tendering for various contracts such as PBC for zones 10 & 13, and metering programs for highrise/commercial and lowrise/residential customers are delayed. Targets will be shifted depending on proposed restructuring.

	comments; market		
	sounding to be		
	undertaken. Bidding		
	documents and		
	financial models are to		
	be finalized by July		
	2024.		
	• DLR 7.4/7.7 (Metering		
	of 90% high-rise &		
	commercial		
	establishments):		
	Delayed. Preparation of		
	the Hybrid Annuity		
	1		
	Model (HAM) contract		
	for 100,000 smart		
	meters is delayed;		
	bidding documents and		
	financial models are		
	incomplete/inadequate		
	. DLI is proposed for		
	restructuring.		
	• DLR 7.5 (Increase in		
	metering of low-rise		
	residences): Delayed. A		
	76% increase (500,00		
	connections) was		
	targeted but no		
	metering program at		
	scale; no funding; and		
	no communication		
	plan. DLI is proposed		
	for restructuring.		
	DLR 7.6 Reduction in		
	NRW: Delayed. Reliant		
	on DLR 7.3 As PBC is		
	likely to be mobilized		
	only by 2026, NRW		
	reduction is unlikely to		
	be achieved by closing		
	date (Dec 2026). DLI is		
	proposed for		
	restructuring.		
	DLI 7 is quite complex		
	and will be closely		
	supervised to ensure		
	timely implementation.		
DLI 8. Improved	Status:	N/A	N/A
access to water	DLR 8.1 (Establish		
supply services.	service level benchmark		
	baseline): This is a		
	timebound DLI targeted		
	timebound DLI targeted by November 2022		
	timebound DLI targeted by November 2022 originally, extended till		

	restructuring. The		
	survey is expected to be		
	completed by August		
	2024. The DLI is		
	proposed for		
	restructuring (i.e.,		
	replaced with the		
	creation of an Efficiency		
	Improvement Cell)		
	• DLR 8.2 (The service		
	agreement): Achieved		
	in March 2024.		
	Disbursed in May 2024.		
	DLR 8.3 (Additional		
	connections with a		
	minimum 1 hour daily		
	supply in added areas-		
	20% increase): Only		
	5,000 new connections		
	got installed since the		
	start of the program;		
	High connection charge		
	is a major roadblock. A		
	structured connection		
	program for		
	connections needs to		
	be formulated.		
	Additional water supply		
	is needed to meet		
	additional demand. It is		
	expected to come from		
	the new 150 MLD desal		
	facility.		
DLI 9. Percentage	Status:	N/A	N/A
increase in GCC	Based on financial		
annual own source	statements for FY 2022-		
revenues	23, this DLI has been		
	met for the entire		
	Program, and		
	reimbursement		
	processed.		
DLI 10. Improved	Status:	N/A	N/A
financial	Year-one target has		
sustainability of	been achieved. The IVA		
water supply	verification reported		
system (WSS)	55.3% cost recovery in		
services	the base year FY21		
	based on audited		
	reports and 70.32%		
	based on unaudited		
	financial statements.		
	which shows an		
	increase of 15.02% in		
	cost recovery from		
	LOST TECOVETY ITOITI	1	<u> </u>

consumer charges.	

Financial Management:

Financial Management is overall compliant with requirements. However key action items need to be completed

- •Project statutory auditor contract to be extended
- •WRD audit report overdue, TNIDB to take a call on inclusion/non-inclusion of expenditure and formally report by the end of June 2024.
- •POM to be amended to include heads of expenditure agency-wise for clarity.

6. Status of the Grievance Redress Mechanism (GRM)

This Project has GRMs in each of the Project sub-components as implemented by the implementing agencies GCC, CMWSSB, CUMTA, WRD, and MTC. Overall monitoring of GRM is done by the Tamil Nadu Infrastructure Development Board (TNIDB), a state-level agency reporting to the Finance Department and the Project's coordinating agency.

GCC: https://erp.chennaicorporation.gov.in/pgr/; Tel No. 94999 33644 (WhatsApp), 1913 (24 Hrs Complaints Cell)

CMWSSB: https://cmwssb.tn.gov.in/; cmwssb@tn.gov.in; Tel No.: 45674567, 28451300

CUMTA: https://cumta.tn.gov.in/; office@cumta.in; Tel No.: +44243 22377, 44285 52355

WRD: https://wrd.tn.gov.in/; eicwrdtn@gmail.com; Tel No.: 44284 10402, 44284 10403

MTC: https://mtcbus.tn.gov.in/; customercare.mtc@tn.gov.in; Te No.:+91-94450 30516

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

Each DLI has a responsible implementing agency in charge of delivering the project outputs. The Tamil Nadu Infrastructure Development Board (TNIDB), an attached agency to the Finance Department, provides overall project coordination and monitoring. The Project Team coordinates with both the implementing agencies and TNIDB regarding the monitoring of project results.

To date, 15 out of 67 DLRs have been completed

Remarks:

As discussed in Section 5, some DLRs are proposed to be restructured.

Note that all actual values indicated are interim values as of May 2024.



			Cumula	ative Target Values	iues																	
Project Objective Indicators			Baseline		2021		2022		2023	2023		2024			2026		End Target			Frequency	Responsibility	Comments
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year	Target	Actual			
DL11: Reduction in vacancy rates of Group A & B cadre of GCC	Project	Output- based	2021	Vacancy level for Group A and B cadre at 23 percent. (30% women to be hired as per GOTN Policy).			GoTN issues a Government Order that provides for: (1.1) An updated recruitment policy for GCC Group A & B; (1.2) Revised staffing positions at GCC for Group A & B.	ongoing	(1.3) Percentage decrease in vacancies in Group A & B as per revised staffing position.	ongoing	same as previous year	ongoing	same as previous year		same as previous year		2026	Vacancies in Group A & B as per revised staffing pattern lowered to < 5 percent.				
DU2: Operationalization of CUMTA with enhanced capacity and control over sector budget allocation to oversee urban mobility in metropolitan areas	Project	Output- based	2021	No staff, no budget			(2.1) Hiring or deputation of 10 CUMTA staff has been completed as provided for in the CUMTA Operational Manual	achieved	(2.2) CMP adopted by CUMTA, and (2.3) Stage 2 staffing in place (20 staff) as provided for in the CUMTA Operational Manual	ongoing	same as previous year	ongoing	(2.4) Stage 3 staffing in place (40 staff) as provided in the CUMTA Operational Manual, and (2.5) CUMTA approves overall sector funding allocation annually		same as previous year		2026	same as previous year				
DLI9: Percentage increase in GCC annual OSR	Project	Output- based	2021	No revenue improvement plan, Rs 1240 crores (INR) OSR from 2017/18			Preparation and adoption of OSR improvement action plan by GCC Council	achieved	15 percent increase in OSR over baseline	achieved	30 percent increase in OSR over baseline	ongoing	45 percent increase in OSR over baseline		60 percent increase in OSR over baseline		2026	60 percent increase in OSR over baseline				

DLI10: Improved financial performance for WSS services	Project	Output- based	2021	CMWSSB to provide FY 21 financial statement to confirm baseline. (User charges revenue is approx. 54% of Revenue expenditure in FY 20)			User charges revenue > 50% of Revenue expenditure	achieved	User charges revenue > 60% of Revenue expenditure	achieved	User charges revenue > 70% of Revenue expenditure	ongoing	User charges revenue > 80% of Revenue expenditure		User charges revenue at least 90% of Revenue expenditure			User charges revenue at least 90% of Revenue expenditure				
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Project Intermediate Indicators	Indicator level		Cumula	Cumulative Target Values																		
		Unit of Measure	Baseline		2021		2022	2023 2024 2025		2026		End Target		et		Responsibility	Comments					
			Year	Value	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Target	Actual	Year	Target	Actual			
DLI4: Enhance efficiency and transparency of public procurement in GCC and CMWSSB	Project	Output- based	2021	GCC uses e- tendering and CMWSSB uses it partially. Bid evaluation, award and contract management is done offline.			GCC and CMWSSB each (4.1) prepare and adopt e- procurement roadmap and (4.2) standard bidding documents and (4.3) complete training of all procurement staff	ongoing	(4.4) Percent increase of tenders (by value) that are evaluated online, (4.5) Percent increase of tenders (by value) that are managed via modules of e-procurement system.	ongoing	same as previous year	ongoing	same as previous year				2026	(4.6) At least 75% of the contracts by value awarded are disclosed within service standards published in Citizen's Charter.				
DLI3: Strengthen institutions for coordinated water management	Project	Output- based	2021	No Water Act and no Water Regulatory Authority			(3.1) The draft Water Act, including establishment of a water regulatory authority and	ongoing	(3.2) Water Regulatory Authority established and operationalized, (3.3) Water Security Plan is	ongoing	same as previous year	ongoing	(3.4) Cascade decision support system including optimization and enhanced				2026	same as previous year				

and security						groundwater regulation, submitted to the GoTN Cabinet		completed and adopted through a Government Order.				monitoring system is established and operational through a Government Order						
DUS: Strengthening GCC's health system through improved access to and quality of care	Project	Output- based	2021	No Quality of Care Strategy and Operational Plan; zero UPHCs providing at least 7 out of 12 CPHC service packages; 10% public and select private sector facilities contributing to disease surveillance; zero UPHCs/UCHCs with NOAS full certification		(5.1) Development and adoption of Quality of Care Strategy and Operational Plan by GCC through issuance of a GO	achieved	(5.2) Increase in number of UPHCs providing at least 7 out of 12 CPHC service packages.	achieved	(5.3) Increase in the percentage of public and selected private health facilities contributing to disease surveillance by submitting P-forms reports to GCC for at least 42 out of 52 weeks in a given FY.	achieved	(5.4) Increase in number of UPHCs/UCHCs with NQAS full certification.	achieved		2026	same as previous year		
DU6: Performance- based contracts for bus service delivery	Project	Output- based	2021	No performance- based contracts for bus service delivery		N/A		(6.1) Contract signed between DOT and MTC (for at least five-year and 10 percent of MTC fleet) and viability gap funding mechanism established; (6.2) Bus services contracted (equivalent to service capacity of 500 buses and inclusive of viability gap funding)	achieved	same as previous year	achieved	(6.3) Bus services contracted (equivalent to 500 additional buses to Y2 and inclusive of viability gap funding for 1000 buses)			2026	same as previous year.		

DU7: Improved operational efficiency in WSS	Project	Output- based	2021	No metering policy		(7.1) Policy for customer metering adopted by CMWSSB (7.2) Bulk water metering completed	achieved	(7.3) Metering of 90% high-rise and commercial connections completed, (7.4) CMWSSB awards performance-based contract for water supply distribution in zones 10 and 13	ongoing	(7.5) Increase in metering of low-rise (Ground+2 and below) domestic connections (7.6) RRW or unaccounted for water	ongoing	same as previous year.		2026	same as previous year.		
DU8: Improved access to water supply services Type of	Project	Output- based	2021	Baseline to be established		(8.1) Establish service level benchmark (SLB) baseline through survey including baseline household connections and hours of supply, (8.2) Service performance agreement between CMWSSB and GoTN's Department of Municipal Administration and Water Supply (MAWS).	achieved	(8.3) At least 5% additional HHs are connected and receiving assured 1 hour of water supply daily (Year 2-5) in the added areas, while maintaining the 1 hour of assured daily supply for HHs from the previous year.	ongoing	same as previous year	ongoing	same as previous year		2026	same as previous year		