

PRANA - Portal for Regulation of Air Pollution in Non Attainment Cities.
(MOEFCC - CPCB)
City Air Action Report
City : Thoothukudi State : Tamilnadu FY: 2023_24 Generated On: 14-Aug-2023 04:45 PM

Thematic Area	Action Point	Sub Point	Annual	
	CB1. Installation & Commissioning of air quality Monitoring Stations	CB1.1. CAAQMS	Approved	
		CB1.1.1. Number of CAAQMS operational	1	
		CB1.1.2. Overall Target: Total no. of CAAQMS (including existing ones) required as per network design criteria	1	
		CB1.1.3. Annual Target - No. of additional CAAQMS planned for which Order need to be placed	0	
		CB1.1.4. Annual Target - No. of additional CAAQMS planned to be Procured & installed	0	
		CB1.1.5. Annual Target - No. of existing CAAQMS planned to be Connected to CCR	1	
		CB1.1.6. Annual Target - No. of new CAAQMS planned to be Connected to CCR	0	
		CB1.1.7. Implementation Authority	TNPCB	
		CB1.1.8. Remarks	1.20Cr. including capital and O &M cost of 40.00 Lakhs is incurred for five years, that is upto. 2026 by TNPCB. As per the CPCB guidelines for the monitoring stations Existing station meet the design criteria	
		CB1.2. Manual Stations	Approved	
		CB1.2.1. No. of existing Manual stations operational	3	
		CB1.2.2 Overall Target: Total no. of Manual stations (including existing ones) required as per network design criteria	3	
		CB1.2.3 Annual Target - No. of new Manual station for which order to be placed	0	
		CB1.2.4 Annual Target - No. of new Manual station planned to be procured & installed	0	
		CB1.2.5 Annual Target - No. of new manual station whose data is planned to be sent to CPCB	0	
		CB1.2.6 Annual Target - No. of existing manual station whose data is planned to be sent to CPCB	3	
		CB1.2.7. Implementation Authority	TNPCB	
		CB1.2.8. Remarks	Capital cost for the 3 NAMP Stations incurred by TNPCB during 1999. Further O & M expenditure incurred by CPCB & TNPCB at 50:50 basis. As per the CPCB guidelines for the monitoring stations Existing station meet the design criteria	
		Funds-TNPCB:CPCB		
			CB2.1. Whether Air quality forecasting system is working	No

Strengthen Infrastructure, Monitoring Network and Source Apportionment	CB2. Air Quality Forecasting	CB2.2. Annual Target- Air quality forecasting system to be activated	Yes
		CB2.3. Implementation Authority	TNPCB
		CB2.4. Remarks	TNPCB has proposed to develop the system for air quality forecasting . The expenditure will be incurred by TNPCB
	CB3. Emission Inventory and Source Apportionment Study	CB3.1. Emission Inventory	Approved
		CB3.1.1. Current status	Interim Report to be Submitted
		CB3.1.2. Annual Target	Study to be Completed
		CB3.1.3. Implementation Authority	Thoothukudi Municipal Corporation & TNPCB
		CB3.1.4. Remarks	Total expenditure of Rs 0.8845Cr includes SA, EI and CC. (Rs. 70 lakhs is sanctioned under EC fund of CPCB and Rs.18.45 lakhs is sanctioned under NCAP fund for the study. The first instalment of Rs 0.09226 Cr sanctioned under NCAP in 2021-2022 is released in 2022-23. During Review meeting conducted on 06.02.2023, MoEFCC has instructed to continue the study using EC fund of CPCB/ TNPCB for the 2nd instalment.
		CB3.2. Emission tracking system	Approved
		CB3.2.1. Current Status	Not Available
		CB3.2.2. Annual Target	To be initiated
		CB3.2.3. Implementation Authority	TNPCB
		CB3.2.4. Remarks	After source apportionment study, emission inventory study, tracking system will be proposed for sharing the information
		CB3.3. Source Apportionment Study	Approved
		CB3.3.1. Current Status	Interim Report submission
		CB3.3.2. Annual Target	Interim Report submission
		CB3.3.3. Implementation Authority	Thoothukudi Municipal Corporation and TNPCB
		CB3.3.4. Remarks	Total expenditure of Rs 0.8845Cr includes SA, EI and CC. (Rs. 70 lakhs is sanctioned under EC fund of CPCB and Rs.18.45 lakhs is sanctioned under NCAP fund for the study. The first instalment of Rs 0.09226 Cr sanctioned under NCAP in 2021-2022 is released in 2022-23. During Review meeting conducted on 06.02.2023, MoEFCC has instructed to continue the study using EC fund of CPCB/ TNPCB for the 2nd instalment.
		Funds-NCAP	
		Funds-EC fund of CPCB	
	CB4.1. Training & skill development of public officials	CB4.1. Training & skill development of public officials	Approved
		CB4.1.1.Total no. of Officials	100
		CB4.1.2. Total no. of officials already trained	
CB4.1.3. Annual Target- No. of Officials planned to be trained		100	

	CB4. Training & Strengthen Infrastructure	CB4.1.4. Implementation Authority	TUTICORIN MUNICIPAL CORPORTION AND TNPCB	
		CB4.1.5. Remarks		
		Funds-NCAP		
		CB4.2. Infrastructure development (Laboratory/ AQM Cell)	Approved	
		CB4.2.1. Current Status: Laboratory	Don't exist	
		CB4.2.2. Current Status: AQM Cell	Exist & functional	
		CB4.2.3. Annual Target: Laboratory	To be established	
		CB4.2.4 Annual Target: AQM Cell	Established ones has to be made functional	
		CB4.2.5. Implementation Authority	Thoothukudi Municipal Corporation	
		CB4.2.6. Remarks	The total approximate expenditure estimated is Rs 200000 . Which will be incurred by TNPCB and from NCAP fund	
		Funds-NCAP		
		Funds-General Fund of Corporation		
		CB4.3. Enforcement Units	Approved	
	CB4.3.1. Current Status: No. of existing mobile vans for enforcement use	1		
	CB4.3.2. Current Status: No. of members in the enforcement/monitoring team	10		
	CB4.3.3. Annual Target - Order to be placed for new mobile vans for enforcement purpose	0		
	CB4.3.4. Annual Target - No. of members deployed for monitoring/enforcement	0		
	CB4.3.5. Implementation Authority	Thoothukudi Municipal Corporation		
	CB4.3.6. Remarks	Fund is not required and corporation will incur from the General fund if needed		
	CB5. Emergency Response Plan	CB5.1. Current Status- Plan Notified	Yes	
		CB5.2. Annual Target	Plan Already notified	
		CB5.3. Implementation Authority	District Administration, Municipal Corporation, State Highway ,NHAI, TNPCB, Industries, Police, Traffic Police, LPA RTO, STC, Port Trust and TANGEDGO	
		CB5.4. Remarks	The expenditure will be incurred by concerned department in case emergency response system is to be implemented for the FY 2022-23. However, state disaster management department also borne the expenditure under SDRF scheme.	
			PO1.1. Daily Air Quality Public Information Dissemination System	Approved
			PO1.1.1. No. of existing dissemination system for displaying air quality daily data in public domain as on 1st April of FY	1
			PO1.1.2. Annual Target: No. of new dissemination system procurement and installation planned	0

Public Outreach	PO1. Public Outreach	P01.1.3. Implementation Authority	TNPCB
		P01.1.4. Remarks	Fund is not required as the expenditure is incurred by TNPCB board fund. Fund details are provided in the action point CB 1.1
		P01.2 Social Media Platforms	
		P02.1.1. Facebook	
		P01.2.2 Instagram	
		P01.2.3 Twitter	
		P01.2.4 Others	
		P01.3. Creation of public awareness on pollution source and control measures	Approved
		P01.3.1. No. of public awareness events conducted on air pollution sources and control measures in previous FY	4
		P01.3.2. Annual Target: No. of awareness event planned	10
		P01.3.3. Annual Target: No. of people targeted to be made aware on pollution source and control measures	10000
		P01.3.4. Implementation Authority	Thoothukudi corporation & DoE
		P01.3.5. Remarks	
		Funds-NCAP	
		Funds-NCAP	
	PO2. Public Greivance Redressal System	P02.1. Public Grievances Redressal System (IT enabled) - App	Approved
		P02.1.1. No. of air pollution related complaints received in previous FY	0
		P02.1.2. No. of air pollution related complaints resolved	0
		P02.1.3. Annual Target: PGRS (IT enabled)-App	To be developed
		P02.1.4. Implementation Authority	TNPCB &Thoothukudi municipal Corporation
		P02.1.5. Remarks	Development of App similar to SAMEER app is in progress . The expenditure will be incurred by TNPCB
		Funds-TNPCB	
		P02.2. Helpline Number	Approved
		P02.2.1. Whether helpline is Operational and Regular monitoring is being done	Yes
		P02.2.2. Annual Target	Already operational
P02.2.3. No. of air pollutions related complaints received on helpline			
P02.2.4. No. of air pollution related complaints resolved			

		PO2.2.5. Annual Target: No. of person to be deployed for handling helpline	2
		PO2.2.6. Implementation Authority	Thoothukudi Municipal Corproation & TNPCB
		PO2.2.7. Remarks	1800 - 425-6750,+91 7397 731 065. Fund is not required. already the helpline is established. The expenditure will be incurred by TNPCB as well as Municipal Corporation as and when required
		RD1.1. Immediate lifting of solid waste generated from disilting and cleaning of municipal drains for its disposal	Approved
		RD1.1.1. Total no. of municipal drains within the ULB	760
		RD1.1.2. Annual Target- Total no. of municipal drains to be disilted and cleaned	760
		RD1.1.3. Implementation Authority	Thoothukudi Municipal Corporation & State and National Highway
		RD1.1.4. Remarks	The expenditure will be incurred by general fund of Corporation
		Funds-General Fund	
		RD1.2. End-to-end paving of roads along with black-topping and maintaining potholes free roads	Approved
		RD1.2.1. Overall Target	
		RD1.2.2. Total road length within ULB limit (in km)	622.20
		RD1.2.3. Total existing paved road length (in km)	300
		RD1.2.4. Annual Target- Total additional road length to be paved/repared (in km)	146.04
		RD1.2.5. Implementation Authority	Thoothukudi Corporation & State Highway & NHAI
		RD1.2.6. Remarks	In the FY 2023-24 various schemes are taken for laying of new roads
		Funds-NCAP	
		Funds-TURIP	
		Funds-NSMT	
		Funds-SFC	
		Funds-Smart City	
		Funds-XVCFC	
		Funds-NNT	
		Funds-SDRF	
		RD1.3. Regular cleaning of street surfaces and spraying of water to suppress dust.	Approved
		RD1.3.1. Total no. of existing water sprinklers used for spraying water to suppress road dust	0
		RD1.3.2. Overall Target-Number of water sprinklers required (Including Existing)	0

		RD1.3.3 Total km of road length requiring water sprinkling	90
		RD1.3.4 Total km of road length already being water sprinkled	0
		RD1.3.5 Annual Target- Additional road length to be water sprinkled	30
		RD1.3.6 Annual Target- Additional no. of water sprinklers to be procured and used	1
		RD1.3.7. Implementation Authority	Thoothukudi city Municipal Corporation
		RD1.3.8. Remarks	The expenditure will borne by TCMC general fund
		RD1.4. Remove road dust/silt regularly by using mechanical sweepers	Approved
		RD1.4.1. Existing Number of mechanical sweepers operational	3
		RD1.4.2. Road length already being covered by MRS (in kms)	3360
		RD1.4.3. Overall Target- Total no. of MRS to be procured and deployed	3
		RD1.4.4 - Annual Target- Number of additional mechanical sweepers to be procured	0
		RD1.4.5. Annual Target-Additional Road length to be covered in km	5040
		RD1.4.6. Implementation Authority	Thoothukudi city Municipal Corporation
	RD1. Road dust	RD1.4.7. Remarks	Mechanical sweeper of capacity 6km/ day is operated for the FY 2022-23. Approximately 280 days the mechanical sweeping is done with 3 No of mechanical sweeper which is proposed to cover 5040 Km. TCMC has proposed to cover overall 8400km for the FY 2023-24 by SWM outsourcing agency. Also proposed to increase the cleaning coverage area of 10 km/day by using additional 1 No of mechanical sweeper of outsourcing agency.
		Funds-General fund	
		Funds-NCAP	
		Funds-SBM 2.0	
		RD1.5. Introduce water fountain at major traffic intersection	Approved
		RD1.5.1. Existing Number of water fountains	2
		RD1.5.2. Annual Target - Additional Number of water fountains to be installed	0
		RD1.5.3. Implementation Authority	Thoothukudi city Municipal Corporation
		RD1.5.3. Remarks	Sponsored by Agsar Paint
		Funds-CSR	
		RD1.6. Widening of Roads	Approved
		RD1.6.1. Annual Target - Additional Kms of roads to be widened to avoid traffic congestion (in km)	0.6

Road Dust and Construction & Demolition	RD1.6.2 Implementation Authority	Thoothukudi Municipal Corporation & State and National Highway
	RD1.6.3. Remarks	
	Funds-CRIDP	
	RD1.7. Identify road stretches with high dust generation	Approved
	RD1.7.1. Annual Target - Road stretches with high dust generation identified (Yes/No)	Yes
	RD1.7.2. Annual Target - Action plan for identified road stretches with high dust generation prepared	Yes
	RD1.7.3. Implementation Authority	Thoothukudi Municipal Corporation & State and National Highway
	RD1.7.4. Remarks	
	RD1.7.5. Annual Plan Link uploaded in ULB URL	
	Funds-NCAP	
	RD1.8. Create Proper Pedestrian Infrastructure	Approved
	RD1.8.1. Existing pedestrian infrastructure(ex.: footpath) (in km)	16
	RD1.8.2 Annual Target- Additional pedestrian infrastructure to be built (in km)	0
	RD1.8.3. Implementation Authority	Thoothukudi Municipal Corporation & State and National Highway
	RD1.8.4. Remarks	
	Funds-Smart City	
	Funds-CRIDP	
	RD1.9. All the canals/nullah's side roads should be brick lined. Proper plantation also carried out.	Approved
	RD1.9.1. Number of canals/ nullah's side road ahead brick lined	0
	RD1.9.2. Overall Target	100 % canals/nullah's side roads should be brick lined. Proper plantation also carried out
	RD1.9.3 Length of existing canals/ nullah's side road brick lined (in km)	0
	RD1.9.4. Annual Target- Additional number of canals/ nullah's side road to be brick lined	0
	RD1.9.5. Annual Target- Additional length of canals/ nullah's side road to be brick lined (in km)	0
	RD1.9.6. Implementation Authority	Thoothukudi Municipal Corporation & State and Natinal Highway
	RD1.9.7. Remarks	
	Funds-NCAP	
	RD2.1. Greening of traffic corridors, open areas, gardens, community places, schools and housing societies	Approved

RD2. Creation of green cover	RD2.1.1. Total area of the city (in sq km)	90.6	
	RD2.1.2. Total area of traffic corridor within the city (in sq km)	1	
	RD2.1.3. Existing area having green cover in the city (in sq km)	5.4	
	RD2.1.4. Existing area of traffic corridors with green cover (in sq km)	0.3	
	RD2.1.5. Annual Target - Additional area planned under green cover in the city (in sq km)	1	
	RD2.1.6. Annual Target - Additional area of traffic corridors planned with green cover (in sq km)	0.2	
	RD2.1.7. Implementation Authority	Thoothukudi Municipal Corporation & Highway Department	
	RD2.1.8. Remarks	TCMC has prepared draft proposal for getting Nagarvan Yojana Fund through DFO for 100 acre from Mo EF&CC	
	Funds-NCAP		
	Funds-Smart City		
	Funds-		
	RD2.2. Urban Greening with vertical garden	Not Part Of Approved City Action Plan	
	RD2.2.1. Total no. of existing urban vertical garden	0	
	RD2.2.2. Annual Target- Additional no. of urban vertical garden planned	0	
	RD2.2.3. Implementation Authority		
	RD2.2.4. Remarks		
	RD3. Installation of WAYU (Wind Augmentation and Purifying Units) at urban traffic intersection.	RD3.1. Total no. of existing WAYU at traffic intersection	0
		RD3.2. Annual Target- Additional no. of WAYU at traffic intersection planned	0
		RD3.3. Implementation Authority	0
		RD3.4. Remarks	0
C&D1. To create multiple separate space/zones to handle C&D waste in the city and specify waste collection capacity in TPD)	C&D1.1. To create multiple separate space/zones to handle C&D waste in the city and specify waste collection capacity in TPD)	Approved	
	C&D1.1.1. Total C&D waste generated in the city in TPD as on 1st April of FY (in TPD)	5.4	
	C&D1.1.2. Total C&D waste already collected in the city in TPD as on 1st April of FY (in TPD)	4.05	
	C&D1.1.3. Total number of existing C&D waste collection centres in the city as on 1st April of FY	15	
	C&D1.1.4. Total capacity of existing C&D waste collection centres in the city in TPD as on 1st April of FY (in TPD)	20	
	C&D1.1.5. Overall Target-Number of C&D waste collection centres required (including existing ones)	18	
	C&D1.1.6. Overall Target-Total C&D waste to be generated in the city (including existing ones) in TPD	6	

C&D1. Construction Activities	C&D1.1.7. Overall Target-Required Capacity of C&D waste collection (including existing ones) in TPD	6
	C&D1.1.8. Annual Target: Additional new C&D waste expected to be generated in the city in TPD	2190
	C&D1.1.9. Annual Target-Additional C&D waste planned to be collected in the city in TPD	0
	C&D1.1.10. Annual Target-Additional No. of new C&D waste collection centre planned to be established in the city	0
	C&D1.1.11. Annual Target-Capacity of Additional C&D waste collection centre planned to be established in the city in TPD	0
	C&D1.1.12. Implementation Authority	EE Planning - TCMC
	C&D1.1.13. Remarks	80 % of C&D waste generated is reused by owner
	Funds-NCAP	
	C&D1.2. Frame and implement policy for segregation of construction and demolition (C&D) waste and provide a network of decentralized C&D waste segregation and collection sites across the city	Approved
	C&D1.2.1. Number of C&D waste processing facilities existing as on 1st April of FY	0
	C&D1.2.2. Existing Capacity of C&D waste processed in TPD	0
	C&D1.2.3. Overall Target-Number of C&D waste processing facilities required (including existing ones)	1
	C&D1.2.4. Overall Target-Required Capacity of C&D waste to be processed (including existing ones) in TPD	5.4
	C&D1.2.5. Annual Target-Number of new C&D waste processing facilities planned	0
	C&D1.2.6. Annual Target-Capacity of extra C&D waste to be processed in TPD	0
	C&D1.2.7. Implementation Authority	EE Planning - TCMC
	C&D1.2.8. Remarks	
	C&D1.2.9. Upload plan link	
	Funds-NCAP	
	C&D1.3. Promote recycling of construction and demolition waste	
	C&D1.3.1. Generated C&D waste converted to recycled product in TPD as on 1st April of FY	0
	C&D1.3.2. Offtake of processed C&D waste in TPD as on 1st April of FY	0
	C&D1.3.3. Overall Target-% of generated C&D waste to be converted to recycled product (including existing ones)	0
	C&D1.3.4. Overall Target-% oftake of processed waste (including existing ones)	0
	C&D1.3.5. Annual Target- Generated additional C&D waste to be converted to recycled product in TPD	0
	C&D1.3.6. Annual Target-Additional oftake of processed waste in TPD	0
	C&D1.3.7. Implementation Authority	EE planning - TCMC

		C&D1.3.8. Remarks	
		Funds-NCAP	
		VE1.1. Number of PUC Centres	Approved
		VE1.1.1. Existing Number of PUC Centres as on 1st April of FY	5
		VE1.1.2. Overall Target: Total no. of PUC required (including existing ones) by Mar'26	18
		VE1.1.3. Annual Target - Number of new PUC Centres planned	2
		VE1.1.4. Implementation Authority	State Transport Authority, Chennai
		VE1.1.5. Remarks	Awareness to be created on instered public to install new PUC center
		Funds-Any other CSR	0.05
		Funds-NCAP	
		VE1.2. Number of registered vehicles with PUC certificates	
		VE1.2.1. Existing total no. of registered vehicles	47205
		VE1.2.2. Annual Target - Number of vehicles to be provided new PUC certificates	20500
		VE1.2.3. Implementation Authority	RTO
		VE1.2.4. Remarks	
		Funds-NCAP	
		VE1.3. Linking of PUC centres with remote server and elimination of manual intervention in PUC testing.	
		VE1.3.1. No. of PUC centres already linked with remote server	5
		VE1.3.2. Overall Target	100 % Linking of PUC centres with remote server and elimination of manual intervention in PUC testing.
		VE1.3.3. Annual Target- Additional no. of PUC centres to be linked with remote server	2
		VE1.3.4. Implementation Authority	NIC, Delhi
		VE1.3.5. Remarks	To plan - Real time PUCC certification and integrated with vehicle registration data base
		Funds-NCAP	
		VE2.1. Total no. of registered vehicles already covered under labelling/sticker programme	47205
		VE2.2 Overall Target	100 % Vehicle labelling or sticker programme
		VE2.3. Annual Target- Additional no. of registered vehicles to be covered under labelling/sticker programme	14500
		VE2. Vehicle labelling or sticker programme	

	VE2. Vehicle labelling or sticker programme	VE2.4. Implementation Authority	RTO
		VE2.5. Remarks	Enforcement to be strengthen
		Funds-NCAP	
	VE3. Freight transport	VE3.1. Use of off-peak passenger travel time to move freight and restrict entry of heavy vehicles into cities during the day	
		VE3.1.1. Total no. of locations identified for restricting entry of heavy vehicles	4
		VE3.1.2. Annual Target - No. of locations to be monitored for restricting entry of heavy vehicles into the city during restricted timings	4
		VE3.1.3. Implementation Authority	Mayilerum perumal Inspector of police (Traffic)
		VE3.1.4. Remarks	
		Funds-NCAP	
		VE3.2. Check overloading of trucks	
		VE3.2.1. Total no. of entry points with WIM (Weigh in motion) in the city for trucks	4
		VE3.2.2. Annual Target - Total number of entry points to city to be monitored	4
		VE3.2.3. Annual Target - Number of entry points to be provided with WIM	4
		VE3.2.4. Implementation Authority	RTO , Traffic Police
		VE3.2.5. Remarks	Presently overloading of vehicles are checked using private weighing machine
Funds-NCAP			
VE4. Clean Fuel & Fuel Quality	VE4.1. Whether - Clean fuel policy notified	No	
	VE4.2. Existing Number of Compressed Natural Gas (CNG) Outlets	1	
	VE4.3. Existing number of Liquefied Petroleum Gas (LPG) Outlets	2	
	VE4.4. Existing Number of Blended fuel Outlets	35	
	VE4.5. Existing Number of Ethanol Outlets	0	
	VE4.6. Annual Target - Number of new Compressed Natural Gas (CNG) Outlets to be established	38	
	VE4.7. Annual Target - Number of new Liquefied Petroleum Gas (LPG) Outlets to be established	0	
	VE4.8. Annual Target - Number of new biodiesel Outlets to be established	0	
	VE4.9. Annual Target - Number of new Blended fuel Outlets to be established	0	
	VE4.10. Annual Target - Number of new Ethanol Outlets to be established	0	
	VE4.11. Annual Target- No. of field inspections planned to check fuel quality		

Vehicles		VE4.12. Implementation Authority	OIL Industry
		VE4.13. Remarks	* Ethanol Blended MS at 12% being sold from 100% of Retail Outlets. Target of 20% Ethanol blending by end-2025. IOC allotted CGD of Thoothukudi Geographical Area comprising the 4 Districts of Kanyakumari, Thoothukudi, Tirunelveli & Tenkasi and target of nos of CNG stations upto Mar'23 is 0 and 38 by Mar'24 for all 4 Districts in the GA (not just Thoothukudi Corporation alone) as per the CGD Policy of Central Govt.
		VE4.14. Upload policy link	
		Funds-NCAP	
	VE5. Parking Management	VE5.1. Prevent parking of vehicles in the non-designated areas	
		VE5.1.1. Whether Parking Policy notified	Yes
		VE5.1.2. Annual Target- No. of location notified as no-parking zone	16
		VE5.1.3. Annual Target	Already notified
		VE5.1.4. Implementation Authority	Police Department
		VE5.1.5. Remarks	
		VE5.1.6. Link of parking policy	
		Funds-NCAP	
		VE5.2. Development of Multi-layer parking	
		VE5.2.1 Existing Number of multi layer parking operational	1
		VE5.2.2. Overall Target: Total no. of Multilayer parking required (including existing ones) by Mar'26	1
		VE5.2.3. Annual Target - Additional Number of multi layer parking to be made operational	0
		VE5.2.4. Implementation Authority	TCMC
		VE5.2.5. Remarks	
	Funds-Smart City		
		VE6.1. Assess and introduce a city bus system of appropriate fleet size of small buses and desirable bus type. ETVMs for fare collection and Passenger Information Systems.	
		VE6.1.1. Total number of existing buses	105
		VE6.1.2. Total number of existing buses with GPS tracking	0
		VE6.1.3. Total Number of existing buses with ETVM fare collection	0
		VE6.1.4. Total Number of existing buses with Passenger Information System operational	0
		VE6.1.5. Overall Target: Total no. of public bus required within city (including existing ones) by Mar'26	250

	VE6. Strengthening of Public Transportation	VE6.1.6. Annual Target - Additional Number of buses to be enabled with GPS tracking	0
		VE6.1.7. Annual Target - Additional Number of buses to be enabled with ETVM fare collection	0
		VE6.1.8. Annual Target - Additional Number of buses to be enabled with Passenger Information System	0
		VE6.1.9. Implementation Authority	TNSETC
		VE6.1.10. Remarks	
		VE6.2. Introduction of new electric buses (with proper infrastructure facilities such as charging stations) and CNG buses for public transport which will reduce plying of private vehicles on road and help to curb tail-nine emissions	
		VE6.2.1. Total Number of electric buses existing	0
		VE6.2.2. Total no. of CNG buses existing	0
		VE6.2.3. Annual Target - Additional Number of new electric buses to be procured and deployed	0
		VE6.2.4. Annual Target - Additional Number of new CNG buses to be procured and deployed	0
		VE6.2.5. Implementation Authority	STA , Chennai
		VE6.2.6. Remarks	No of new buses to be introduced
		Funds-NCAP	
		VE6.3. CNG infrastructure for auto gas supply in the city and transition of public transport vehicles to CNG mode	
		VE6.3.1 Existing City gas distribution network in Km	2
		VE6.3.2 Number of existing CNG stations	5
		VE6.3.3 Annual Target - Additional City gas distribution network to be established in Km	3
		VE6.3.4 Annual Target - Number of CNG stations to be established	3
		VE6.3.5. Implementation Authority	DSO
		VE6.3.6. Remarks	New charging stations should be installed
		Funds-NCAP	
		VE6.4. Steps for promoting battery operated vehicles like Erickshaw/ECart	
		VE6.4.1 Total no. of existing vehicles for which Incentives have already been provided	17
		VE6.4.2. Number of Erickshaw/Ecarts sold/operational	2
		VE6.4.3. No. of electric vehicles in IPT fleet	0
		VE6.4.4. Annual Target - Total no. of vehicles for which Incentives is being planned	0
		VE6.4.5. Annual Target - Number of E-rickshaw/E-carts to be sold	100

		VE6.4.6. Implementation Authority	RTO
		VE6.4.7. Remarks	Awareness to be created among public to purchase New Ecarts / Erickshaws
		Funds-NCAP	
		VE6.5. Charging infrastructure for E-vehicles	
		VE6.5.1 Number of charging stations existing in the city	2
		VE6.5.2 Whether charging stations is included in building bye laws	Yes
		VE6.5.3 Overall target: Inclusion of charging infrastructure in building bye-laws	Included
		VE6.5.4 Overall Target: Total no. of E-charging infrastructure required within the city as per guidelines (one per 3*3 sqkm)	5
		VE6.5.5 Annual Target - Number of additional charging stations to be installed in the city	3
		VE6.5.6. Implementation Authority	DSO
		VE6.5.7. Remarks	New charging stations to be installed
		Funds-NCAP	
		VE7. Traffic Congestion	VE7.1. Synchronize traffic movements/Introduce intelligent traffic system (ITS) for lane-driving
	VE7.1.1. Existing Number of traffic intersection where ITS needs to be installed		4
	VE7.1.2. Existing Number of ITS installed		0
	VE7.1.3. Annual Target - Number of new ITS to be installed		4
	VE7.1.4. Implementation Authority		TCMC
	VE7.1.5. Remarks		Suitable software to be developed
	Funds-NCAP		
	VE7.2. Prepare plan for improvement of infrastructure for decongestion of road.		
	VE7.2.1. Number of traffic congestion points identified		4
	VE7.2.2. Whether Plan notified for decongestion		Yes
	VE7.2.3. Overall Target:Notification of decongestion plan	Notified	
VE7.2.4. Annual Target - Number of identified traffic congestion points for intervention	4		
VE7.2.5. Implementation Authority	TCMC		
VE7.2.6. Remarks			
VE7.2.7. Decongestion plan Link			

		Funds-NCAP	
	VE8. Phase out old vehicles and vehicle scrapping policy	VE8.1. Phase out old vehicles and vehicle scrapping policy	
		VE8.1.1. Total no. of Existing petrol and diesel vehicles	0
		VE8.1.2. Whether Scrapping policy notified	No
		VE8.1.3. No. of Automated Testing Stations (ATS) existing within the city	0
		VE8.1.4. Total number of vehicles (of any kind) to be scrapped	0
		VE8.1.5. Existing Number of scrapping facilities	0
		VE8.1.6. No. of vehicles already scrapped	0
		VE8.1.7. Overall Target	Vehicle scrapping policy to be notified
		VE8.1.8. Annual Target- Number of new ATS planned to be established	0
		VE8.1.9. Annual Target - Number of scrapping facilities to be set up	0
		VE8.1.10. Annual Target - Number of vehicles to be deregistered/ scrapped	0
		VE8.1.11. Implementation Authority	MORTH - New Delhi
		VE8.1.12. Remarks	Government Policy
		VE8.1.13. Upload scrapping policy	Government Policy
			Funds-NCAP
	VE9. NMT	VE9.1. Prepare and implement zonal plans to develop an NMT network	
		VE9.1.1. Total length of existing cycle tracks (in km)	4.35
		VE9.1.2. Overall Target: Preparation of zonal plan to develop an NMT network	Plan exists
		VE9.1.3. Annual Target - New cycle track to be established (in km)	0
		VE9.1.4. Implementation Authority	TCCM
		VE9.1.5. Remarks	
		VE9.1.6. Upload NMT plan link	
			Funds-NCAP
		IP1.1. To intensify monitoring of industries to reduce of emission by the industries	
		IP1.1.1 - Total No. of industries within ULB limit	181
		IP1.1.2 - Total Number of red category industries existing	41

	IP1. Industrial air pollution control	IP1.1.3 - Total Number of orange category industries existing	120
		IP1.1.4 - Total Number of green category industries existing	20
		IP1.1.5 - Annual Target - Number of red category industries to be inspected	41
		IP1.1.6 - Annual Target - Number of orange category industries to be inspected	120
		IP1.1.7 - Annual Target - Number of green category industries to be inspected	20
		IP1.1.8. Implementation Authority	TNPCB
		IP1.1.9. Remarks	
		Funds-NCAP	
		IP1.2. Assess the number of industrial units that are non-compliant and prepare unit/plant wise action plan for time bound compliance or be shut down	
		IP1.2.1 - Number of non-complying Red category industries identified	0
		IP1.2.2 - Number of non-complying Orange category industries identified	0
		IP1.2.3 - Number of non-complying Green category industries identified	0
		IP1.2.4 - Number of industries issued show cause notices in previous FY	0
		IP1.2.5 - Number of industries issued closure notices in previous FY	0
		IP1.2.6 - Annual Target: No. of industries to be followed up for updated compliance status based on show cause notices	0
		IP1.2.7 - Annual Target: No. of industries to be followed up for updated compliance status on closure notices	
		IP1.2.8. Implementation Authority	
		IP1.2.9. Remarks	
		Funds-NCAP	
		IP1.3. Shifting of polluting industries	
		IP1.3.1 - Number of Red category industries operating in residential or non-designated areas	0
		IP1.3.2 - Number of Orange category industries operating in residential or non-designated areas	0
		IP1.3.3 - Number of Green category industries operating in residential or non-designated areas	0
		IP1.3.4 - Annual Target - Number of Red category industries to be shifted from residential/non-designated areas to industrial/designated areas	0
		IP1.3.5 - Annual Target - Number of Orange category industries to be shifted from residential/non-designated areas to industrial/designated areas	0
		IP1.3.6 - Annual Target - Number of Green category industries to be shifted from residential/non-designated areas to industrial/designated areas	0
		IP1.3.7. Implementation Authority	

Industries		IP1.3.8. Remarks	After SA, EI and CC, shifting of polluting industries will be considered if necessary
		Funds-NCAP	
		IP1.4. Carry out pollution load estimation from industrial sector to enable setting of target for emission	
		IP1.4.1 - Whether pollution load estimation from industrial sector is done	No
		IP1.4.2 - Whether emission targets for industries has been set	No
		IP1.4.3 - Annual Target	To be initiated as part of emission inventory/Source Apportionment study
		IP1.4.4. Implementation Authority	TNPCB
		IP1.4.5. Remarks	Pollution load estimation will be done as a part of SA, EI and CC
		Funds-NCAP	
	IP2. OCEMS in Industries	IP2.1. Implement Continuous Emission Monitoring System (CEMS) across all targeted and applicable polluting industry	
		IP2.1.1 - Number of industries mandated to install CEMS	13
		IP2.1.2 - No. of industries already having CEMS	13
		IP2.1.3 - Annual Target: No. of industries targeted to install CEMS	0
		IP2.1.4. Implementation Authority	TNPCB
		IP2.1.5. Remarks	
		Funds-NCAP	
	IP3. Clean fuel in industries	IP3.1. Conversion to CNG/PNG from pet coke / wood / coal / Furnace oil.	
		IP3.1.1 - Number of industries already using CNG/PNG	1
		IP3.1.2 - Overall Target	
		IP3.1.3 - Annual Target: No. of industries targeted to convert to CNG/PNG	0
		IP3.1.4. Implementation Authority	TNPCB
IP3.1.5. Remarks			
Funds-NCAP			
IP3.2. Strict enforcement against illegal use of dirty industrial fuels with high sulfur and heavy metals fuels, including fuels that do not have specifications laid down or are included in the acceptable fuels as mandated by state pollution control boards			
IP3.2.1 - No. of industries illegally using dirty industrial fuels including fuels that do not have specifications laid down		0	
IP3.2.2 - No. of such industries to whom showcase/closure notice had been issued in previous FY		0	
IP3.2.3 - Annual Target - No. of industries targeted to be inspected		0	

		IP3.2.4 - Annual Target: No. of industries to be shifted into using approved fuels	0
		IP3.2.5. Implementation Authority	TNPCB
		IP3.2.6. Remarks	
		Funds-NCAP	
	IP4. Control of air pollution from Brick kilns	IP4.1 - Total number of existing Brick Kilns within ULB limits	1
		IP4.2 - No. of existing brick kilns within ULB limit already switched to clean technologies or fuel	
		IP4.3 - Overall Target	100% of brick kilns switched to clean technologies or fuel
		IP4.4 - Annual Target - Number of brick kilns to be converted to cleaner technology	
		IP4.5 - Annual Target - No. of Brick Klin inspection planned	
		IP4.6 - Annual Target - Number of brick kilns to be converted to cleaner fuel	
		IP4.7. Implementation Authority	
		IP4.8. Remarks	
		Funds-NCAP	
	IP5. Control of air pollution from Thermal Power Plants and coal handling units	IP5.1. Ash disposed of by utilization or sale	
		IP5.1.1 - No. of industries generating dry ash	3
		IP5.1.2 - No. of industries able to use 100% of the dry ash generated	
		IP5.1.3 - Annual Target: No. of industries targeted to ensure 100% utilization of dry ash	
		IP5.1.4. Implementation Authority	
		IP5.1.5. Remarks	
		Funds-NCAP	
	IP6. Control of air pollution from generator sets	IP6.1. Allow only DG sets meeting emission and design of chimney/ exhaust, acoustic enclosures standards to operate	
		IP6.1.1 - Total no. of DG sets greater than 1MVA existing within ULB	13
		IP6.1.2 - No. of existing DG sets greater than 1MVA meeting emission criteria	13
		IP6.1.3 - Annual Target: No. of DG sets greater than 1MVA not meeting emission criteria and planned to be retrofitted	
		IP6.1.4. Implementation Authority	
IP6.1.5. Remarks			
Funds-NCAP			

	BB1. Biomass Burning	BB1.1. Regular check and control of burning of municipal solid wastes	
		BB1.1.1. Total no. of burning of municipal solid wastes reported in previous FY	
		BB1.1.2. Annual Target - Number of inspections squad planned for checking and controlling burning of municipal solid wastes.	
		BB1.1.3. Implementation Authority	
		BB1.1.4. Remarks	
		BB1.1.5. No. of inspections done	
		BB1.1.6. No. of challans issued	
		Funds-NCAP	
		BB1.2. Providing organic waste compost machines, decentralization of processing of waste, dry waste collection centers	
		BB1.2.1 Existing Number of organic waste composters functional	18
		BB1.2.2 Existing Number of dry waste collection centres	11
		BB1.2.3. Existing No. of decentralized MSW processing plants	16
		BB1.2.4. Existing decentralized MSW processing plants capacity in TPD	76
		BB1.2.5. Overall Target: Capacity of organic waste composters(including existing ones) required (in TPD)	86
		BB1.2.6. Overall Target: Capacity of dry waste collection centres(including existing ones) required in TPD	60
		BB1.2.7. Overall Target: Capacity of decentralised MSW processing plants (including existing ones) required in TPD	42
		BB1.2.8. Annual Target-Number of new organic waste composters to be provided	1
		BB1.2.9 Annual Target- Number of new dry waste collection centres to be established	2
		BB1.2.10 Annual Target-No. of new decentralized MSW processing plants to be established	2
		BB1.2.11. Annual Target-Capacity of new decentralized MSW processing plants to be established (in TPD)	2
		BB1.2.12. Implementation Authority	
		BB1.2.13. Remarks	
		Funds-NCAP	
		BB1.3. Dead bodies of Animals should be disposed through proper treatment facility like rendering plant etc	
		BB1.3.1. Existing no. of treatment facility such as rendering plants, etc for proper disposal of dead animals	
		BB1.3.2. Capacity of existing treatment facility such as rendering plants, etc for proper disposal of dead animals (in TPD)	
		BB1.3.3. Annual Target-No. of new treatment facility such as rendering plants, etc for proper disposal of dead animals to be established	

Waste and Biomass - Dumping and Burning		BB1.3.4. Annual Target-Capacity of new treatment facility such as rendering plants, etc for proper disposal of dead animals to be established (in TPD)	
		BB1.3.5. Implementation Authority	
		BB1.3.6. Remarks	
		Funds-NCAP	
	BB2. Regular collection, segregation and scientific disposal of waste	BB2.1. Total no. of households within the ULB limits	130833
		BB2.2. No. of households covered under solid waste management services	130833
		BB2.3. Total waste already generated (TPD) as on 1st April of current FY	180
		BB2.4. Total waste already collected (TPD) as on 1st April of current FY	168
		BB2.5. Quantity of waste already being segregated (TPD) as on 1st April of current FY	140
		BB2.6. Quantity of waste already being processed/treated (TPD) as on 1st April of current FY	140
		BB2.7. Existing Number of local Material Recovery Facilities for segregation and recycling	0
		BB2.8. Annual Target-Additional Quantity of waste to be processed using composting (TPD)	40
		BB2.9. Annual Target-Additional Number of new composting units to be installed	1
		BB2.10. Annual Target-Additional Quantity of waste to be processed using Biomethanation (TPD)	0
		BB2.11. Annual Target-Additional Number of new Biomethanation units required	0
		BB2.12. Annual Target-Additional Quantity of waste to be processed as Waste to Energy (TPD)	0
		BB2.13. Annual Target-Additional Number of new Waste to Energy plants to be installed	0
		BB2.14. Annual Target-Additional Quantity of solid waste to be disposed through Landfills (TPD)	40
		BB2.15. Annual Target-Additional Number of new Sanitary Landfills to be installed	1
		BB2.16. Annual Target-Additional Quantity of Legacy Waste dumpsites to be remediated	0
		BB2.17. Annual Target-Number of Legacy Waste dumpsites to be remediated	0
		BB2.18. Implementation Authority	TCMC
	BB2.19. Remarks		
	Funds-NCAP		
	BB3.1 Ambient air quality monitoring of operational dumping sites & Landfill	BB3.1 Ambient air quality monitoring of operational dumping sites & Landfill	
		BB3.2 Number of existing monitoring stations at municipal dumping sites (Landfill)	
		BB3.3. Frequency of Ambient air quality monitoring of operational dumping sites & Landfill	

	BB3. Ambient air quality monitoring of municipal dumping sites and parks	BB3.4. Annual Target: Number of new monitoring stations at operational dumping sites & Landfill to be established	
		BB3.5. Implementation Authority	
		BB3.6. Remarks	
		Funds-NCAP	
	BB4. Check/stop on stubble burning	BB4.1 Number of stubble burning incidents reported in previous year	
		BB4.2 No. of existing Schemes for insitu/exsitu stubble management	
		BB4.3 Annual Target-Number of inspection team for reporting/preventing stubble burning incidents	
		BB4.4. Annual Target - No. of schemes planned to be granted incentives for insitu/exsitu stubble management	
		BB4.5. Implementation Authority	
		BB4.6. Remarks	
		Funds-NCAP	
	BB5. Human Cremation	BB5.1. Total no. of existing cremation sites	18
		BB5.2. Total no. of existing cremation sites using electric	0
		BB5.3. Total no. of existing cremation sites using PNG	2
		BB5.4. Annual Target- No. of new cremation sites using PNG to be established	0
		BB5.5. Annual Target- No. of new cremation sites using electric to be established	0
		BB5.6 Annual Target- No. of old cremation sites using other fuel to be converted to PNG	0
		BB5.7. Annual Target- No. of old cremation sites using other fuel to be converted to electric	0
		BB5.8. Implementation Authority	TCMC
		BB5.9. Remarks	
		Funds-NCAP	
BB6. Landfill fire	BB6.1. Proper management of landfill sites to prevent spontaneous fire	Approved	
	BB6.1.1 Whether Landfill fire control plan	No	
	BB6.1.2. No. of landfire incidents reported last FY	2	
	BB6.1.3. No. of existing disposal/dumping yard	1	
	BB6.1.4. Annual Target-No. of landfill sites to be remediated	0	
	BB6.1.5. Implementation Authority	TCMC	

		BB6.1.6. Remarks	
		BB6.1.7. Landfill fire control plan link	
		Funds-NCAP	
	BB7. Policy for fire crackers - community shows using green crackers, strict enforcement of regulations.	BB7.1 Whether policy for fire cracker-community shows using green crackers exist (Yes/No)	
		BB7.2 Annual Target: No. of community show using green fire cracker being planned	
		BB7.3. Implementation Authority	
		BB7.4. Remarks	
		Funds-NCAP	
	DF1. Domestic Fuel	DF1.1. Ensure easy availability of affordable cleaner cooking fuels (LPG/ PNG/biogas) for all	Approved
		DF1.1.1 No. of households using LPG	140958
		DF1.1.2 Number of households with PNG connections	0
		DF1.1.3 Active no. of commercial LPG connections	4138
		DF1.1.4 Number of existing commercial establishments	0
		DF1.1.5 No. of commercial establishments using cleaner fuel (i.e. LPG) instead of coal fired chulas or fire-woods in the hotels and open spaces	4138
		DF1.1.6 Annual Target- Number of new commercial PNG connections to be provided	0
		DF1.1.7 Annual Target-Number of new households to be provided with LPG/PNG	0
		DF1.1.8 Annual Target- No. of new LPG connection under Ujwala to be provided	0
		DF1.1.9 Annual Target-No. of new LPG households	0
		DF1.1.10. Implementation Authority	PSU OMCs
DF1.1.11. Remarks	* IOC CGD . *The combined target for PNG connections in 4 Districts – Kanyakumari, Thoothukudi, Tirunelveli & Tenkasi under Thoothukudi under Thoothukudi Geographical Area upto Mar'23 is 0 and 2,93,984 by Mar'24.		
Funds-NCAP			