





**ROAD DUST AND CONSTRUCTION & DEMOLITION**

RD1	Road dust	Present Status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target	Field type	Attachment	Attachment Contents	Total Funds Allocated	Funds released	Funds Utilized	Additional Funds Required
RD1.1	Immediate lifting of solid waste generated from disilting and cleaning of municipal drains for its disposal	Steps taken	Immediate Removal of Solid waste	N/A	N/A	Regular Activity	High capacity Super Sucker - 7nos. Robotic Excavator - 4 nos. Amphibian - 2 nos. Mini Amphibian - 3 nos.	N/A	N/A	N/A	N/A	N/A	N/A
RD1.2	Maintain potholes free roads	we are attending emergency patch work due to flood at every year and purchase of Jet patches machine		30.03.2022 30.03.2023 30.03.2024 30.03.2025 30.03.2026	N/A	N/A	N/A	N/A	N/A	N/A		N/A	1. for FY 2021-2022: 40 Crores 2. for FY 2022-2023: 45 Crores 3. for FY 2023-2024: 50 Crores 4. for FY 2024-2025: 55 Crores 5. for FY 2025-2026: 60 Crores
RD1.3	Regular cleaning of street surfaces and spraying of water to suppress dust.	Quotation is yet to be called. It will be carried out after the Election model of conduct	To augment existing water supply arrangement, it is proposed to procure water tankers for watering of plants, shrub trees in Chennai City	31.12.2022	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3Cr
RD1.4	Black-topping of unpaved road	Underground utilities works is in progress	95.96 km	30.03.2022 30.03.2023	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1. for FY 2021-2022: 71 Crores 2. for FY 2022-2023: 70 Crores
RD1.5	Minimize earth cutting from the hills to prevent dust generation.	Not applicable	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RD1.6	To take appropriate action to remove road dust/silt regularly by using mechanical sweepers	1. 16 Km/ day is covered by mechanical sweepers 2. Mechanical sweepers are deployed in all major bus road	Regular Activity	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RD1.7	End-to-end paving of the road	Steps taken	N/A	Mar-27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5000 Lakhs
RD1.8	Road design improvement	Providing and Improvements to Sign Boards and Gantry Girders		30.03.2022 30.03.2023 30.03.2024 30.03.2025 30.03.2026	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1. for FY 2021-2022: 5 Crores 2. for FY 2022-2023: 6 Crores 3. for FY 2023-2024: 8 Crores 4. for FY 2024-2025: 10 Crores 5. for FY 2025-2026: 12 Crores
RD1.9	Introduce water fountain at major traffic intersection	Steps taken	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RD1.10	Widening of Roads	Land Plan Schedule prepared	24 roads, area 175256.66 sqm	30.03.2022 30.03.2023 30.03.2024 30.03.2025 30.03.2026	N/A	N/A	N/A	N/A	N/A	N/A		N/A	1. for FY 2021-2022: 536 Crores 2. for FY 2022-2023: 536 Crores 3. for FY 2023-2024: 536 Crores 4. for FY 2024-2025: 536 Crores 5. for FY 2025-2026: 536 Crores
RD1.11	Improvement of infrastructure for decongestion of road.	Steps taken	N/A	Mar-27	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10000 Lakhs
RD1.12	Designing and Construction of environment friendly roads	Steps taken	Improvements to Centre Median , Traffic Island, laying speed breakers and thermoplastic paint works	30.03.2022 30.03.2023 30.03.2024 30.03.2025 30.03.2026	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	1. for FY 2021-2022: 10 Crores 2. for FY 2022-2023: 12 Crores 3. for FY 2023-2024: 14 Crores 4. for FY 2024-2025: 17 Crores 5. for FY 2025-2026: 20 Crores
RD1.13	Implement truck loading guidelines; use of appropriate enclosures for haul trucks; gravel paving for all haul routes.	Steps taken notification for truck loading guidelines	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RD1.14	Identify road stretches with high dust generation	Number of road stretches identified and action plan	Identification of High Dust routes under progress	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
RD1.15	Create Proper Pedestrian Infrastructure	Proper Pedestrian facilities created at various locations across Chennai	Development of Pedestrian Plaza	November 2019	N/A	N/A	1.65 Km	N/A	N/A	39.86 Crores under Smart City Fund	39.86 Crores	N/A	N/A
			Development of Smart Roads - 16 Nos. of roads	2020	N/A	N/A	N/A	N/A	N/A	66 Crores under Smart City Fund	66 Crores	N/A	N/A



RD1	Road dust	Present Status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target	Field type	Attachment	Attachment Contents	Total Funds Allocated	Funds released	Funds Utilized	Additional Funds Required
C&D1.1	Ensure transportation of construction materials in covered vehicles	Transportation of construction and demolition waste are carried out in covered vehicles	Regular Activity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.2	Strict enforcement of CPCB guidelines for construction (use of green screens, side covering of digging sites, etc.)	The CPCB Guidelines have been followed	Regular Activity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.3	Restriction on storage of construction materials along the road.	Steps taken. Challans are being issued for illegal storing of materials along the road side	Regular Activity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.4	Covering of construction site.	Followed through notices	Regular Activity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.5	To create separate space/zone to handle solid waste, C&D waste and other waste in the city	15 locations are identified for transportation of C & D waste	Regular Activity	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.6	To mandate facility of tar road inside the construction site for movement of vehicles carrying construction material	Steps taken	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.7	Promotion of the use of prefabricated blocks for building construction	Steps taken	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.8	Enforcement of Construction and Demolition Waste Rules	Steps taken	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.9	Control measures for fugitive emissions from material handling-conveying and screening operations	Steps taken	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.10	Develop and implement dust control measures for all types of construction activities -- buildings and infrastructure.	Notification on dust control measures issued	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.11	Enforce restrictions on construction activities within urban airshed zones during high pollution period	Notification on High pollution period measures issued	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.12	Frame and implement policy for segregation of construction and demolition waste and provide a network of decentralized C&D waste segregation and collection sites across the city.	Bye law framed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
C&D1.13	Promote recycling of construction and demolition waste.	Processing of Construction and Demolition waste from Zone 1 to 8 at the designated processing facility site (Kodungaiyur)	NA	31.12.2021	N/A	N/A	N/A	N/A	N/A	N/A	29.17 Cr	N/A	N/A











**WASTE AND BIOMASS- DUMPING AND BURNING**

		Present Status	Target	Target Date	Deviation from Approved Action Plan Target	Annual Target	Field type	Attachment	Attachment Contents	Total Funds Allocated	Funds released	Funds Utilized	Additional Funds Required
<b>BB1</b>	<b>Biomass Burning</b>												
BB1.1	Regular check and control of burning of municipal solid wastes	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BB1.2	Defaulters for open burning to be imposed fines	Not Applicable - No Open burning	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BB1.3	Identify Garbage burning locations and	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BB1.4	Prohibition/complete ban on garbage burning.	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BB1.5	Launch extensive drive against open burning of bio-mass, crop residue, garbage, leaves, etc.	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BB1.6	Construction of advanced waste management Site.	Site constructed	393 locations for wet and dry waste processing	2019	-	Regular	Yes	Yes	Report on the site including its location, images, capacity				
BB1.7	Regular collection and control of municipal solid wastes.	MSW (in ton per day) collected every day and Total Generated MSW of the city	Daily collection and control of municipal solid wastes	Regular		Regular	5100 MT per day						
BB1.8	Providing Organic Waste Compost machines , decentralization of processing of Waste, dry waste collection centers.	Number of machines for organic waste compost and waste processing and dry waste collection centers	207 locations for wet waste processing	2019			Number (3)	Yes	Details of the sites and machines including images, location, waste collected/processed per day				
BB1.9	Awareness for controlling of burning of agricultural waste and crop residues.	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BB1.10	No plot should be left open more than 02 years and planting of trees must be mandatory on vacant plots.	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BB1.11	Dead Bodies of Animals should be disposed through proper treatment facility like rendering plant etc	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>BB2</b>	<b>Ensure segregation of waste at source</b>						1767 no. of Colonies	Yes	Details on the colonies and the actions taken by Municipal body to ensure it				
<b>BB3</b>	<b>Proper collection of Horticulture waste and its disposal following composting-cumgardening approach</b>	Number of composting cum gardening sites development - 5 Sites	Development of 5 sites	2019-20	-	One-time activity	5	Yes	Details of the sites	Processing Fee - Rs. 9.64 Crores	NA	NA	NA
<b>BB4</b>	<b>Recycling plants for dry waste.</b>	Number of recycling plants identified - 186 Nos.	186 locations for dry waste processing	2019			Number	Yes	Details of the plants				
<b>BB5</b>	<b>Ambient air quality monitoring of municipal dumping sites and parks</b>												
BB5.1	1) Real time air quality monitoring by NPCB - 4 locations												
BB5.2	2) Real time air quality monitoring by Greater Chennai Corporation under Smart City - 18 locations		22 locations	2020	-	NA	22 Nos.	Yes	Details of the monitoring system	NA	NA	NA	NA
<b>BB6</b>	<b>Check/stop on Stubble Burning</b>	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>BB7</b>	<b>Action plan to minimize the forest fire</b>	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>BB8</b>	<b>Use of Piped Natural Gas (PNG) for Human cremation.</b>	Number of cremation sites which use PNG	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>BB9</b>	<b>Use of satellite based monitoring as well as mobile spot check squads for enforcement</b>	Steps taken					Text	Yes	Details on the steps				
<b>BB10</b>	<b>Landfill fire</b>												
BB10.1	Proper management of landfill sites to prevent spontaneous fire	Steps taken - Tanker Lorries stationed at site	6000 litres capacity tanker lorry stationed at landfill sites with motor facility	2020				2	-				
BB10.2	Adopt roadmap for zero landfill policy to promote decentralized waste segregation, reuse and recycling	Steps taken - Constructed Decentralise processing centres					Constructed Decentralised processing centre	Yes	Annexure same as BB 1.6				
<b>BB11</b>	<b>Fire crackers—regulate to control their usage</b>	Not Applicable	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>DF1</b>	<b>Domestic Fuel</b>												
DF1.1	Increasing the LPG connections in low income strata.	PMUY					Number (2)						

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<b>BB1</b>	<b>Biomass Burning</b>												
DF1.2	Ensuring promotion and use of cleaner fuel (i.e. LPG) instead of coal fired chulas or fire-woods in the hotels and open spaces	No Govt.Policy available; commercial establishment to spend for change over					Text	Yes	Details on the steps				
DF1.3	Introduce schemes for providing subsidized LPG connections as well as providing means of finance to small tea vendors/hawkers using kerosene stoves in order to reduce emissions from burning of kerosene	No scheme by Govt. of India; policy decision awaited					Text	Yes	Details on the scheme				
DF1.4	To mandate LPG/Bio gas in commercial eateries.	Policy decision awaited					Yes/No	Yes	Notification copy				
DF1.5	Ensuring 100% electrification and uninterrupted electric supply with in the city.						Number (2)						
DF1.6	Ensure easy availability of affordable cleaner cooking fuels (LPG in urban areas & biogas in rural areas)	OMC's are continuing efforts					Text	Yes	Details on the steps				
DF1.7	Introduction of improved chullahs (low emission chullahs)	Steps taken					Text	Yes	Details on the steps				
DF1.8	Implementation of Pradhan Mantri Ujjwala Yojana (PMUY)	Continuous efforts					Text	Yes	Details on the steps				
DF1.9	Shift to LPG from solid fuel & kerosene for domestic applications	Continuous efforts by OMC's					Number						
DF1.10	Use of LPG in Bakeries	Pursued by OMCs					Number (2)						
DF1.11	Adopting Better construction practices with PM reduction of 50%						Text	Yes	Details on the steps				

**FOOD, CIVIL SUPPLIES AND CONSUMER PROTECTION DEPT.**

Source Group	Action points	Target	Target date	Deviation from the approved action plan	Annual target	Attachments	Total funds allocated	Total fund released	Fund utilized	Additional fund required	
Domestic Fuel	Increasing the LPG connections in low income strata	The LPG penetration in Chennai is 151 % and in Madurai 99 % in Trichy 101 % and in Tuticorin 105%. This clearly shows that nearly all households are today using LPG for cooking. Based on the State Government scheme rolled out earlier and latest PMUY by Government of India LPG connections were released to most of low income strata. The recent PMGKY by GoI has further helped the BPL customers to avail free refills .Further, with across the counter availability of LPG new connection any left out low income group are able to avail new connection and refills.									
	Ensuring promotion and use of cleaner fuel (i.e LPG) instead of coal fired chulas or firewoods in the hotels and open spaces	Long term	one year	NA	Oil marketing companies do not have data base of small hotels and open spaces where traditional cooking fuels are being used. If such data is available with State Government or Pollution Control Borad, a concerted effort can be made to convert them to LPG. With the availability of commercial cylinder connections in varying capacities, customers are able to choose LPG cylinders for ease of cooking.						
	Introduce schemes for providing subsidies LPG connections as well as providing means of finance to small tea vendors/hawkers using kerosene stoves in order to reduce emissions from burning of kerosene	Subsidy decisions are governed by Govt. policies.									
	To mandate LPG/Bio gas in commercial eateries	Such mandates are not in the purview of Oil Marketing companies									
	Ensure easy availability of affordable cleaner cooking fuels (LPG in urban areas and bio gas in rural areas)	LPG is a very accessible fuel with the penetration of 100% in Tamil Nadu. With the strong infrastructure of 19 bottling plants of OMCs in state, product availability is ensured, even during natural disasters and emergencies. CBG and PNG are alternate green fuels promoted by OMCs.									
	Implementation of Pradhan Mantri Ujjwala Yojana (PMUY)	Already implemented. The PMUY campaign as been effective and almost all households not having LPG connections have been converted. 32.4 lakhs customers covered under PMUY scheme under OMCs in Tamil Nadu.( District wise- Chennai - 0.28 lakhs; Madurai - 1.27 lakhs; Trichy- 1.17 lakhs. <b>Shall talk about 2.0</b>									
	Shift to LPG from solid fuel & kerosene for domestic applications	Already implemented. LPG is a very accessible fuel with the penetration of 100% in Tamil Nadu.									
	Use of LPG in bakeries	Long term	One year	NA	Oil marketing companies do not have data base of bakeries where traditional cooking fuels are being used. If such data is available with State Government or Pollution Control Board, a concerted effort can be made to convert them to LPG. Commercial establishments are marketed with LPG as a fuel.						

**Projects taken up under NCAP - XVFC**

S.No	Source Group & Approved Action Points	Activity (Concerned department)	Department	Project Cost	Expenditure incurred so far under NCAP - XVFC
				(in Cr.)	(in Cr)
1	Source apportionment and carrying capacity assessment for Chennai city	IOR/IIT Madras		2.24	1.12
2	Vehicle / NMT- Introducing cycle tracks along the roads.	Creation of leisure cycle track with vibrant landscape along the banks of Buckingham Canal from Kasturibai MRTS to Indira Nagar MRTS station, Reach-I & II	Special Projects	20	10
3	Vehicle / NMT- Introducing cycle tracks along the roads.	Redevelopment of Kalvivaru Street in Dn-124, Zone-9	Special Projects	3.53	3.21
4	Road Dust / Creation of Green Cover – Urban Greening with vertical Garden	Plantation under bridges	Bridges		7.3
5	Vehicle / NMT- Introducing cycle tracks along the roads.	Forming footpath in bus route roads	BRR	96.87	70.04
6	Road Dust / Creation of Green Cover – Creation of Green Buffers along the traffic corridors and their maintenance	Creation of urban forests (Miyawaki)	Parks and Playfields		6.2
7	Waste Dumping and burning – Construction of Advance Waste Management site	Windrow composting	Solid Waste Management	9.96	0.99
8	Waste Dumping and burning – Construction of Advance Waste Management site	Biomining	Solid Waste Management	18.48	1.85
9	Waste Dumping and Burning – Providing organic waste compost machines, decentralization of processing of waste, dry waste collection centers	Biogas/MCC/MRF	Solid Waste Management	10.73	1.07
10	Waste Dumping and burning – Regular Collection and control of Municipal Solid Waste	Collection and Transporataion of Municipal Solid waste	Solid Waste Management	91.83	79.22
		<b>Total</b>		<b>253.64</b>	<b>181</b>