



TAMIL NADU POLLUTION CONTROL BOARD

By Speed Post-

From

Thiru. R. Kannan, M.Tech.,
Member Secretary,
Tamil Nadu Pollution Control Board,
No.76, Mount Salai, Guindy
Chennai – 600 032

To

The Member Secretary,
Central Pollution Control Board,
Parivesh Bhawan,
C.B.D. Cum –Office Complex,
East Arjun Nagar, Shahdara
New Delhi-110032.

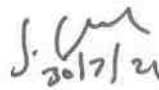
Letter No. T1/TNPCB/PWM/F.31251/2011, Dated: 30.07.2021

Sir,

Sub: Tamil Nadu Pollution Control Board –Implementation of Plastic Waste Management Rules, 2016 for the state of Tamilnadu – Annual report in Form VI for the year 2020-21 - Furnished–Regarding

I am to invite your kind attention to the subject cited. In this connection, I enclose herewith the Annual Report on the implementation of Plastic Waste Management Rules, 2016 for the state of Tamilnadu in the prescribed Form VI for the year 2020-2021 for favour of kind information.

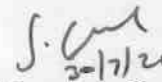
Enclosure: As above


2017/21
For Member Secretary

Form VI

Annual Report on the status of Implementation of PWM Rules, 2016 as amended in 2018 for the year 2020-21

Name of the SPCB	Estimated Plastic waste generation on tons per annum (TPA)	Implementation of thickness of less than 50 microns carry bags (virgin / recycled) (Rule 4c)	Details of plastic waste Management (PWM) e.g collection segregation disposal (co-processing, road construction etc). (Rules 5&6)	Partial / Complete ban on usage of plastic carry bags (through Executive order)	No. of registered plastic manufacturing / Recycling (including multilayered, compostable units) (Rule 13)			No of Unregistered Plastic manufacturing / recycling units (in residential or unapproved Areas) (Rule 13)	Status of Marking and Labelling on carry bags (Rule 11)	Recommendations of State Level Monitoring Committee on Implementation of PWM Rules, 2016	No of Violations and action taken on non-compliance of provisions of PWM 2016 (Rule 16)	Explicitly pricing of carry bags from producers, brand owners and importers (Rule 15)	Status of submission of Annual Report by ULBs to SPCB/PCCs (Rule 16)
					Plastic units	Compostable plastic units	Multi layered plastic units						
1	2	3	4	5	6			7	8	9	10	11	12
Tamil Nadu Pollution Control Board	4,30,107* (As per Annual Report submitted by the ULBs)	Tamilnadu Government in G.O. (Ms). No.84 dated 25.06.2018, notified ban on manufacture, store, supply, transport, sale or distribute of use and throwaway plastics irrespective of thickness including plastic carry bags of any size and thickness and came into effect from 01.01.2019.	Plastic waste collected is segregated and low value plastics & multi layer plastics used for road laying, recyclable plastic waste sold to recyclers and non-recyclable plastic waste disposed to cement industries for co-processing Details and action plan Vide Annexure A	The Government of Tamil Nadu vide G.O. (Ms). No.84 dated 25.06.2018 notified ban on manufacture, store, supply, transport, sale or distribute of use and throwaway plastics which came into effect from 01.01.2019. Copy of Notification attached vide Annexure B.	Plastic waste Recycling units – 230 Nos. Plastic manufacturing units (Producers) - 15Nos	29 Nos.	7 Nos.	TNPCB is issuing Consent under Water and Air Acts to the plastic manufacturing (Producers) / recycling units located in industrial and commercial zones and Consent is not issued to units located in residential areas.	Tamilnadu Government in G.O. (Ms). No.84 dated 25.06.2018, notified ban on manufacture, store, supply, transport, sale or distribute of use and throwaway plastics irrespective of thickness including plastic carry bags of any size and thickness and hence marking and labeling is not applicable.	State Level Monitoring Committee meeting was held on 04.08.2020 and it is insisted to continue the measures to enforce the ban on single use plastics. Copy of minutes of SLMC meeting is given vide Annexure C	Closure Direction and disconnection of power supply were issued to 6 plastic recycling units who were in operation without obtaining consent from the Board and Registration as per PWM Rules, 2016	As per PWM Amendment Rules 2018, Rule 15 is omitted. Hence does not arise	Corporations-15, Municipalities-121 Town Panchayats-528. All the Urban Local Bodies have submitted their Annual report as per the prescribed format of the said Rules.


 20/7/21
For Member Secretary

Annexure A
Implementation of Plastic waste Management (Collection segregation & disposal) in the state of Tamil Nadu

1. Generation, Collection and segregation of plastic wastes:

In the state of Tamil Nadu, there are 15 corporations, 121 Municipalities and 528 Town Panchayats. As per the Annual report submitted by the ULB's the plastic waste generation is around **4,30,107 tons/annum (1178 tons/day)** out of which **96.4%** (4,14,738 TPA) is collected & segregated by the respective urban bodies (once/twice in a week). The recyclable plastic waste of **2,95,482 TPA** are channelized for recycling, **71,200 TPA** of plastic waste are utilized for co-incineration in Cement Plant (non-recyclable plastic waste) and for road laying (low value plastics) and the remaining inerts are disposed for landfill.

2. Storage of segregated plastic wastes

Resource Recovery Centres / Material Recovery Facilities are established to store and periodically dispose the segregated plastic waste in ULBs. Chennai Corporation has established **110 Material Recovery Facilities** and with respect to other Corporations and Municipalities, **328 MRFs** have been established and put into use.

3. Disposal of plastic wastes:

i) Recycling of Plastic waste

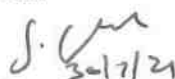
The recyclable plastic wastes are sold to the recyclers directly by the waste collectors and share the cost among themselves as an incentive. In this approach, **3,64,225 MT** of recyclable waste have been sold and **Rs.109.67 crores** distributed to the sanitary workers for the period from August 2017 to 31.03.2021 in 15 Corporations & 121 Municipalities.

ii) Plastic waste used for Road laying

The segregated plastic waste is grinded in shredder machine at the Municipal Compost yard. The shredded plastic waste are mixed with aggregates in bituminous road laying. In the state of Tamil Nadu, about **6350 MT** of non saleable and non recyclable plastic waste were used for laying **4530 kms** of plastic roads in the last 4 years, as per IRC norms in which 10 % of plastic waste is substituted to the bituminous requirement.

iii) Plastic waste disposed to cement industries for co-processing:

The non-recyclable and combustible fraction of wastes from **68 ULBs** are disposed to cement factories / Sugar mills/ power plants. So far, about **32,336 Tonnes** of non-recyclable plastic waste were disposed to the cement industries from May 2018 onwards.


30/7/21
For Member Secretary

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ABSTRACT

Environment - 110 Announcement of the Hon'ble Chief Minister on the floor of the Assembly on 05.06.2018 regarding ban on one-time use and throwaway plastics irrespective of thickness with effect from 01.01.2019 under Environment (Protection) Act, 1986 - Notification - Orders - Issued.

Environment and Forests (EC.2) Department

G.O. (Ms) No.84

Dated: 25.06.2018
விளம்பி, ஆணி-11,
திருவள்ளூர் ஆண்டு -2049

ORDER :

The Hon'ble Chief Minister on 05.06.2018, on the floor of the Legislative Assembly, with a view to make Tamil Nadu Plastic Free, has announced, ban on 'one time use and throwaway plastics', irrespective of thickness, with effect from 1st January, 2019 under the provisions of the Environment (Protection) Act, 1986.

2. Accordingly, the following Notification will be published in the TamilNadu Government Gazette:-

NOTIFICATION

WHEREAS, plastic carry bags and other plastic items used in daily life cause short term and long term environmental damage and health hazard;

AND WHEREAS, Article 48-A of the Constitution of India, inter alia, envisages that the State shall endeavour to protect and improve the environment;

AND WHEREAS, it has come to the knowledge of the Government that, the use of 'use and throwaway plastics' such as plastic carry bags, plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups and plastic tumbler, water pouches and packets, plastic straw and plastic flags are causing serious environmental hazards and health problems amongst human beings as well as plants and animals;

AND WHEREAS, it is observed that the plastic wastes are also causing blockage of sewers and drains apart from resulting in pollution of water bodies;

AND WHEREAS, with a view to prevent the recurrence of such problems, the State Government have decided to issue the following directions imposing ban on manufacture, storage, supply, sale and use of 'use and throwaway plastics', such as,

(Handwritten notes on the left margin):
22/6/18
G.O. (Ms) No. 84
22/6/18
30/6/18

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plastic sheets used for food wrapping, spreading on dining table etc., plastic plates, plastic coated tea cups and plastic tumbler, water pouches and packets, plastic straw, plastic carry bag and plastic flags irrespective of thickness.

NOW, THEREFORE, in exercise of the powers conferred under section 5 of the Environment (Protection) Act, 1986 (Central Act 29 of 1986) read with Government of India, Ministry of Environment and Forests Notification No.S.O.152(E), dated: 10th February, 1988, the Governor of Tamil Nadu hereby issues the following directions:-

2. This Notification will come into force on the 1st January, 2019:

THE DIRECTIONS

- 1.(a) No industry or person shall manufacture, store, supply, transport, sale or distribute, 'use and throwaway plastics'.
- (b) No person including shopkeeper, vendor, wholesaler, retailer, trader, hawker or salesmen shall use, 'use and throwaway plastics':

Provided that the plastic used for the following purposes are exempted:-

- (a) The plastic carry bags manufactured exclusively for export purpose against any export order in a plastic industry located in Special Economic Zone (SEZ) and Export Oriented Units (EOU).
 - (b) The plastic bags which constitute or form an integral part of packaging in which goods are sealed prior to use at manufacturing/processing units.
 - (c) The plastic bags and sheets used in Forestry and Horticulture nurseries against the orders from the Government Departments.
 - (d) The plastic used for packing of milk and milk products (dairy products), oil, medicine and medical equipments.
 - (e) Carry bags made from compostable plastics bearing a label "compostable" and conforming to the Indian Standard: IS or ISO 17088:2008 titled as Specifications for "Compostable Plastics".
- 2.(a) The Commissioners, in respect of the Municipal Corporations and the District Collectors, in respect of the local areas other than Municipal Corporations shall ensure prevention of storage, supply, transport, sale, distribution and use of the above said plastic items;
 - (b) District Environmental Engineers shall ensure prevention of manufacturing of the above said plastic items

Explanation 1 - "Plastic" means material which contains as an essential ingredient a high polymer such as polyethylene terephthalate, high density polyethylene, Vinyl, low

..3..

density polyethylene, polypropylene, polystyrene resins, multi-materials like acrylonitrile butadiene styrene, polyphenylene oxide, polycarbonate, Polybutylene terephthalate.

Explanation 2 – “use and throwaway plastic” means items such as plastic carry bags or plastic flags, plastic sheets used for food wrapping, spreading on dining table etc. plastic plates, plastic coated tea cups and plastic tumbler, water pouches and packets, plastic straw irrespective of thickness.

Explanation 3 – “plastic sheet” means sheet made of plastic.

Explanation 4 – “Carry bag” means bag made from plastic material, used for the purpose of carrying or dispensing commodities which have a self carrying feature but do not include bag that constitute or form an integral part of the packaging in which goods are sealed prior to use.

Explanation 5 – The word “compostable plastic” means plastic that undergoes degradation by biological processes during composting to yield Carbon di-oxide, water, inorganic compounds and biomass at a rate consistent with other known compostable materials, excluding conventional petro-based plastics, and does not leave visible, distinguishable or toxic residue.

(BY ORDER OF THE GOVERNOR)

Md. NASIMUDDIN
PRINCIPAL SECRETARY TO GOVERNMENT

To

The Works Manager, Government Central Press, Chennai-79.

(for publication of the notification in the Extra-ordinary Gazette on 27th June 2018 and to send 50 copies to Government),

All Additional Chief Secretaries/Principal Secretaries/
Secretaries to Government, Secretariat, Chennai-9.

All District Collectors/ All District Judges/ All Chief Judicial Magistrates.

All Departments of Secretariat.Chennai-9.

The Director of Environment, Chennai-15.

✓ The Chairman, Tamil Nadu Pollution Control Board, Chennai-32.

Copy to:-

The Hon'ble Chief Minister office, Chennai-600 009.

The Private Secretary to the Principal Secretary to Government,
Environment and Forests Department, Chennai- 600 009.

The Private Secretary to the Principal Secretary to Government, Law Department,
Chennai- 600 009.

The Personal Assistant to Hon'ble Minister (Environment), Chennai-600 009.
Stock File/Spare Copy.

// FORWARDED: BY ORDER //

Jayin
25/6/18
Section Officer.

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25/6/18



Municipal Administration and
Water Supply (MA.IV) Department,
Secretariat, Chennai - 600 009.

Letter No.4735/MA.IV/2018-12, dated:17.08.2020

From

Thiru. Harmander Singh, I.A.S.,
Additional Chief Secretary to Government.

To

The Commissioner of Municipal Administration,
Raja Annamalaipuram,
Chennai-600 028.(w.e)

Sir,

Sub: Meeting - Solid Waste Management Rules 2016 and
Plastic Waste Management Rules 2016 -
Implementation of the rules - sixth meeting of State
Level Advisory Body and State Level Advisory
Committee held on 04.08.2020 - Minutes of meeting
Communicated - Reg.

- Ref:** 1. From the Commissioner of Municipal
Administration, Chennai Letter Roc.No.P3 / 44555/
2013, dated:07.07.2020.
2. Government Letter No.4735 / MA.IV / 2018-8,
dated: 15.07.2020, 16.07.2020 and 20.07.2020.

I am to enclose herewith a copy of the minutes of State Level Advisory
Body and State Level Advisory Committee meeting held on 04.08.2020 at
11.15 A.M through Video Conference for necessary action and also to
request you to communicate the above copy of the minutes to the members
of the State Level Advisory Body and State Level Advisory Committee.

Yours faithfully,

D. Rakesh Kumar
18/8/20

for Additional Chief Secretary to Government

18/8/20

Minutes of the meeting of the State Level Advisory Body on Solid Waste Management Rules 2016 and State Level Advisory Committee on Plastic Waste Management Rules 2016, Tamil Nadu held on 04.08.2020 at 11.15AM, at Secretariat, Chennai-9.

In the Chair: Thiru.Harmander Singh, I.A.S.,
Additional Chief Secretary to Government,
Municipal Administration and Water Supply Department.,

The 6th meeting of the State Level Advisory body constituted for implementation of Solid Waste Management Rules 2016 and Plastic Waste Management Rules 2016 was conducted by the Additional Chief Secretary to Government, Municipal Administration and Water Supply Department / Chairman of the Committee through Video Conferencing.

The following members attended the meeting.

1.	Dr. K.Baskaran, I.A.S., Commissioner of Municipal Administration, Chennai.
2.	Thiru.G.Prakash, I.A.S., Commissioner, Greater Chennai Corporation.
3.	Thiru. S. Palanisamy, I.A.S., Director of Town Panchayats, Chennai ✓
4.	Dr.S.Kanmani, Director, Department of Environment Studies, Anna University, Chennai.
5.	Thiru.Dr.Kurien Joseph, Solid Waste Management Expert / Professor, Anna University, Chennai
6.	Thiru. Narayanan, Commissioner, Avadi Corporation
7.	Thiru. G. Kannan, Commissioner, Tirunelveli Corporation
8.	Thiru. D. Gunasekaran, Executive Officer, Perungalathur Town Panchayat

The Commissioner of Municipal Administration welcomed the Chairman and the Members of the Committee who joined the meeting through Video Conference and presented the status of Solid Waste Management.

The Action taken on the Minutes of 5th meeting of State Level Advisory Body (SLAB) was briefed.

D2D Collection & Source Segregation:

The Commissioner of Municipal Administration informed that the State had achieved 94% Door to Door collection and 71% Segregation at source. The Commissioner of Municipal Administration stated that strict measures are being taken to achieve 100% D2D collection and waste segregation at source. The Commissioner of Municipal Administration further observed that all the workers are diverted to COVID-19 control activities at present and there is lag in the source segregation activities which will be rectified soon.

The Additional Chief Secretary to Government instructed the Commissioner of Municipal Administration, the Commissioner of Greater Chennai Corporation, the Director of Town Panchayats that 100% D2D and Source Segregation should be achieved. Keeping the current situation in mind, it was instructed that all the sanitary workers should follow strict protocol while collecting waste from the houses.

The Commissioner, Greater Chennai Corporation stated that due to COVID, there was lag in the Solid Waste Management activities and the works have been started again.

Construction & Demolition Waste

The Commissioner of Municipal Administration informed that in all Municipalities, C&D Waste is collected separately and stored in the earmarked locations and used for filling the low lying areas and potholes.

The Commissioner of Municipal Administration further stated that Tiruchy Corporation has called for tender in August 2020, Madurai Corporation has called for EOI due on 25.08.2020 and Coimbatore Corporation has revised the Detailed Project Report and tender will be called at the earliest

It was informed by the Commissioner, Greater Chennai Corporation that work is under progress for processing the C&D waste of capacity 400 MT/day at two places i.e, Perungudi & Kodungaiyur.

The Additional Chief Secretary to Government, Municipal Administration and Water Supply Department reiterated that the Urban Local Body wise and centre wise details of quantity of C & D waste collected, quantity used for filling low lying areas and quantity disposed should be collected every month.

E – Waste & Domestic Hazardous Waste

The Commissioner of Municipal Administration stated that E – Waste and Domestic Hazardous Waste collection centres have been established in all the Urban Local Bodies and collected waste is being disposed to authorized Tamil Nadu Pollution Control Board Vendors.

Processing

The Commissioner of Municipal Administration and Greater Chennai Corporation Commissioner informed that due to COVID, there was a slight drop in processing of wet waste but the processing has been increased recently to attain the pre-COVID 19 status.

The Additional Chief Secretary to Government insisted that processing should resume at full efficiency and the ongoing works should be completed before December 2020.

Biomining

The Commissioner of Municipal Administration stated that biomining works are carried out in 12 Corporations, 87 Municipalities and 44 Town Panchayats. It was also stated that additional biomining project has been proposed in 1 Corporation, 8 Municipalities and 50 Town Panchayats for the year 2020-21.

The Director & Professor from Centre for Environmental Studies, Anna University stated that fresh waste are being dumped in Arcot and Chidambaram Municipalities in the cleared area of bio-mined sites and insisted that this affects the purpose of biomining. The other issue noticed in the biomining sites is the mixing of biomedical wastes (such as masks, gloves etc.) with the regular solid waste. The Additional Chief Secretary to Government instructed that Central Pollution Control Board guidelines should be followed for disposal of such wastes. He also asked the Commissioner of Municipal Administration to get report from the concerned Commissioner immediately.

The Commissioner of Municipal Administration stated that meeting was conducted with all City Engineers and Regional Executive Engineers and strict instructions were given to Urban Local Bodies to stop dumping of waste at the biomining site and the circular issued by Government of India were communicated to all Urban Local Bodies and instructions were given by the Additional Chief Secretary to Government, Municipal Administration and Water Supply Department through Video Conference also.

The Additional Chief Secretary to Government instructed the Commissioner of Municipal Administration to regularly monitor the biomining sites to stop the dumping of waste at the site.

Ban on Single use plastic:

The Commissioner of Municipal Administration informed that due to COVID, no raids and enforcement was done in the Urban Local Bodies from March to May 2020. So far, 1480 MT of single use plastics was seized & fine of Rs.765.68 lakh was collected till 30.07.2020.

The Additional Chief Secretary to Government insisted to continue the measures to enforce the ban on single use plastics.

The meeting ended with vote of Thanks.

**HARMANDER SINGH
ADDITIONAL CHIEF SECRETARY TO GOVERNMENT**

//True Copy//

D. S. Radhakrishnan
SECTION OFFICER

18/8/20