

Annual Report

for the year

2017-18

on

Implementation

of

Plastic Waste Management Rules

(As per Rule '17(4)' of PWM Rules, 2016, as amended 2018)



(NOVEMBER, 2018)

CENTRAL POLLUTION CONTROL BOARD

Ministry of Environment, Forest and Climate Change, Govt. of India

Parivesh Bhawan, East Arjun Nagar

Delhi-110032

1.0 Introduction:

As per the Rule '17(3)' of Plastic Waste Management Rules, 2016, as amended 2018, each State Pollution Control Board or Pollution Control Committee shall prepare and submit the Annual Report to the Central Pollution Control Board on the implementation of these rules by the **31st July of each year**. Also, as per provision "17(4)" of PWM Rules, 2016, as amended 2018, the Central Pollution Control shall prepare a consolidated report on use and management of plastic waste and forward it to the Central Government along with its recommendation by **31.08.2018**.

Therefore, in accordance with the PWM Rules, 2016, as amended, 2018 based on available information from **14 SPCBs/PCCs**, a consolidated annual report for the year 2016-17 has been prepared, including State-wise observations of the current status of implementation of Plastic Waste Management Rules in each State/UT. Besides, recommendations for better implementation of PWM Rules, 2016, as amended 2018 have also been provided in the report.

2.0 Prescribed Authority for Implementation of Plastic Waste Management Rules, 2016 as amended 2018.

The Prescribed Authority are responsible for implementation of the Rules: -

- 1) The **State Pollution Control Board** in respect of State and **Pollution Control Committee** in respect of a Union territory shall be the authority for enforcement of the provision of these rules relating to registration manufacture of plastic products and multi-layered packaging, processing and disposal of plastic wastes.
- 2) The concerned **Secretary-in-charge of Urban Development** of the State or a Union Territory shall be the authority for enforcement of the provision of these rules relating to waste management by waste generator, use of plastic carry bags, plastic sheets or like, covers made of plastic sheets and multi-layered packaging.
- 3) The concerned **Gram Panchayat** shall be the authority for enforcement of the provision of these rules relating to waste management by the waste generator, use of plastic carry bags, plastic sheets or like, covers made of plastic sheets and multi-layered packaging in the rural area of the State or a Union Territory.
- 4) The Authorities referred to in sub-rules (1) to (3) shall take the assistance of the **District Magistrate or the Deputy Commissioner** within the territorial limits of the jurisdiction of the concerned District in the enforcement of the provision of these rules.

There are **35 SPCBs/UTs**, of which only **14 SPCBs/PCCs** have submitted partial information after repeated reminders. Remaining SPCBs/PCCs have not submitted information till date on implementation of the PWM Rules, 2016. However, based on information received from **14 SPCBs/PCCs**, State-wise & Union Territory-wise observations are given below: -

3.0 State-wise Observations:

- 1. Arunachal Pradesh:** The estimated plastic waste generation in the State is 6 MT/annum during 2017-18. There are no plastic manufacturing or recycling & unregistered units in State. There is ban on use of plastic carrybags. The details of processing of the waste as per IRC code in compliance of the PWM Rules, 2016, as amended 2018 has not provided. The State Government has not constituted State Level Monitoring Committee (SLMC).
- 2. Bihar:** The estimated plastic waste generation is approximately 2280MT/annum during 2017-18. There are only 1 registered & 40 unregistered plastic manufacturing/recycling units. The information related to use and waste management is not available. The SLMC has been formed in the State. There are 140 Municipal Authorities and 87 Nagar Panchayats. The details regarding plastic waste management has not been provided.
- 3. Chandigarh:** The estimated plastic waste generation in the UT is not provided data annum. There are 126 registered plastic manufacturing/recycling units. As per provisions 5 & 6 of PWM, Rules 2016, as amended time to time. Municipal Authority, collects solid waste by door to door collection mechanism and transported to waste processing plant for final disposal. Further, a proposal for converting waste plastic into oil is under consideration. The UT Government has not constituted SLMC. The UT of Chandigarh has one (1) Municipal Authority.
- 4. Gujarat:** The estimated plastic waste generation is approximately 269808 MT/annum during 2017-18. There is 869 registered plastic manufacturing/recycling units and 10 multi-layered plastic units. There is no unregistered plastic manufacturer/recycler present in the State. As per provision '5(b)' of PWM Rules, 2016, as amended, 2018 approximately 68973.25 MT of plastic waste co-processed in cement plants. Further, the use of plastic carry bags is completely banned in the

city of Gandhinagar. Marking and labelling provisions, mentioned under PWM Rules, 2016, as amended, 2018 are followed by most of the manufacturers present in the State. During financial year 2016-17, show-cause-notices have been issued to 69 units and direction (closure) have been issued to 15 units on violation of PWM Rules, 2016 as amended time to time. The State has total 167 Municipal Authorities however 15 Municipal Authorities have submitted annual reports.

- 5. Jammu & Kashmir:** The estimated that approximately 27870 MT/annum of plastic waste has been generated during 2017-18. There are 187 registered plastic manufacturing/recycling units and 21 units are multilayered plastic & 22 unregistered units. Practice of proper labelling and marking of plastic carry bags are not followed by all the manufacturers. SLMC body has not been constituted by the State Government. 99 No. of violations have been compounded on the spot and amount of Rs. 62,200 & notices served to the defaulters total 22. There are only 20 ULBs submitted the AR out of 80 in the State.
- 6. Manipur:** It is estimated that approximate 24 MT/annum of plastic waste is generated during 2017-18. There are 2 plastic carrybag, 3 MLP manufacturing units & 4 recycling units registered in the State. There are 15 unregistered plastic manufacturing/recycling units in the State. There is complete ban on manufacture, import, storage, transportation, sale and use of plastic carry bags in the State. Practice of proper labelling and marking of plastic carry bags are not followed by all the manufacturers. There are not provided any detail of Plastic was SLMC body has been constituted by the State Government. The violation of the states 16 districts of Manipur sized 11000 kg of plastic carry bags, plastic films, wrapping sheets below 50 microns have been seized. There are 654 Municipal Authorities in the State.
- 7. Meghalaya:** Approximately, 15.096 MT/annum of plastic waste is generated during 2017-18. There is no multi-layer plastic unit and 4 registered plastic manufacturing/recycling units. There is partial ban on use of plastic carrybags in some places. SLMC meeting held to review implementation of PWM Rules, 2016, as amended, 2018 as amended 2018. Workshops have been organized in association with CPCB with all the cement plant to promote use of plastic waste in co-processing. There are 7 Municipal Authorities.

- 8. Madhya Pradesh:** The estimated plastic waste generation in the State is approximately 50457.07 MT/annum during 2017-18. There are approximately 25 registered plastic manufacturing/recycling units and 30 multilayered plastic units. Out of 6437 metric MT, 4383 MT plastic waste is co-processed in cement plants, 2000MT is recycled and 54MT is utilized in the road construction. There is no violation reported in respect of thickness of carrybags. SLMC meeting held and given recommendations for implementation of PWM Rules, 2016, as amended, 2018 as amended 2018. There are 139 Municipal Authorities.
- 9. Nagaland:** Information regarding plastic waste generation is not provided. There are 7 registered plastic manufacturing/recycling units in the State. The Board constructed bitumen polymer road within office premises. The Government of Nagaland has banned use of poly bags/plastic carry bags in the State with effect from 1st January 2004. Provision for marking and labelling of carrybags are followed in Kohima and Dimapur City. The State Government has constituted SLMC Body to monitor implementation of the Plastic Waste Management Rules, 2016, as amended 2018. There are 3 Municipal Authorities in the State.
- 10. Odisha:** The Orissa generates approximately 12092.205MT/annum of plastic waste during the year 2017-18. There are 12 registered plastic manufacturing/recycling units and multilayered plastic units. All Urban Local Bodies have been instructed to send their plastic waste to M/s ACC Ltd., Bargarh for co-proceeding in cement kiln. SLMC is constituted to review implementation of the PWM Rules, 2016 as amended 2018. No violation has been reported. The State of Orissa has total 114 ULBs but 25 submitted the annual report.
- 11. Punjab:** The estimated plastic waste generation are 54066.1 MT/annum for the year 2017-18. There are total 142 plastic units, of which, 2 units are multi-layered plastic manufacturing. Besides, there are **246** unregistered plastic units present in the State. Door to door collection facility are operated at some locations only. No proper segregation mechanism available and informal sectors are involved in segregation of plastic waste. Government of Punjab has completely banned use of plastic carrybags in the State. Total 56 violations have been reported. 54 no. units have been issued show cause notices. There are 164 ULBs, out of which 73 ULBs have submitted information for preparation of annual report.

12. Tripura: The estimated plastic waste generation in the State is approximately 28.5 MT/annum. Use of plastic carrybags are completely banned. There are no registered plastic manufacturing/recycling unit in the State. There is complete ban on manufacture, import, storage, transportation, sale and use of plastic carry bags in the State. Practice of proper labelling and marking of plastic carry bags are not followed by all the manufacturers. There is complete ban on plastic carrybags of the State. SLMC body has been constituted by the State Government.

13. Uttar Pradesh: The estimated plastic waste generation is approximately 206733.45 MT/annum of during 2016-17. There are 34 registered plastic manufacturing/recycling units and 99 units are multilayered plastic. There are 16 unregistered plastic manufacturing/recycling units in the State. There is complete ban on manufacture, import, storage, transportation, sale and use of plastic carry bags in the State. Practice of proper labelling and marking of plastic carry bags are not followed by all the manufacturers. SLMC body has not been constituted by the State Government. There are 653 Municipalities Authorities in the State.

14. Uttarakhand: There is not submitted annual report for plastic waste generation of during 2016-17. There are 255 registered plastic manufacturing/recycling units and 16 units are multilayered plastic. There are 14 unregistered plastic manufacturing/recycling units in the State. There is complete ban on manufacture, import, storage, transportation, sale and use of plastic carry bags in the State. LMC body has been constituted by the State Government. There are 101 Municipalities Authorities in the State.

3.0 Conclusions:

As per the provision '17(3)' of PWM Rules, 2016, as amended, 2018 as amended 2018 SPCBs/PCCs shall prepare and submit the annual report on implementation of these Rules to CPCB by **31st July every year**. Out of **35** SPCBs/PCCs, only **13** SPCBs/PCCs have provided information on implementation of Plastic Waste Management & information provided by these States/UTs are compiled as per the provision '17(4)' of the PWM Rule, 2016, as amended 2018. It has been observed that SPCBs/PCCs are not able to collect information from all Urban Local Bodies (ULBs) of the State due to unknown reasons. Based on the available information, following observations have been made:

1. As per the provision '13(1)' of PWM Rules, 2016, as amended, 2018 as amended 2018, all the plastic manufacturing/recycling units shall be registered with the concerned SPCBs/PCCs. There are about **383** unregistered plastic manufacturing/recycling units are still running in few States/UTs, namely Bihar, Punjab, Manipur, J & K and Uttar Pradesh, Uttarakhand which is against the PWM Rules,2016, as amend time to time.
2. According to the Rule '6' of Plastic Waste Management Rules, 2016, as amended 2018 Municipal Authorities shall be responsible setting up, operationalization and co-ordination of waste management system and performing the associated functions. However, it has been observed that most of the States/UTs have not established the organized system for Plastic Waste Management. Hence, resulting into widespread littering of plastic waste in towns & cities of the country. Few States/UTs namely: Gujarat, Madhya Pradesh, Meghalaya transporting their plastic waste to cement plants for co-processing. Besides, few other States/UTs namely: Orissa& Nagaland, using plastic waste for polymer bitumen road construction.
3. As per the Rule '14(1)' of PWM Rules, 2016, as amended, 2018 as amended 2018 shopkeepers/retailers shall be responsible for use of properly marked and labeled plastic carry bags. Most of the States/UTs are not following the proper practice of plastic carry bag labelling, especially in case of the carry bags available with the street vendors and small retailers.
4. As per Rule 17(3), the SPCBs/PCCs are required to submit Annual Report in Form-VI by **31st July 2018**. Majority of States/UTs have not followed the timelines. It has been observed that most of the States/UTs have not set-up proper monitoring system for use of carry bags as per the specified guidelines. It has been observed that those States/UTs, who have imposed complete ban on use and sell of plastic carry bags, the plastic bags are stocked, sold and used indiscriminately. Besides, substandard carry bags (<50µ) are used widely in majority of this States/UTs, violating PWM Rules, 2016, as amended, 2018 as amended 2018.
5. As per **Rule '16'** of PWM Rules, 2016, as amended, 2018 as amended 2018, there shall be a State Level Monitoring Committee (SLMC) to monitor the implementation of PWM Rules, however, majority of the States/UTs have not constituted such monitoring body till date. The States/UTs, who have constituted SLMC, are not convening meetings on regular basis, to monitor the progress of implementation of these Rules, therefore, implementation of the Rules is not effective in the cities/towns & wide spread littering of waste has been observed.

4.0 Recommendations:

- Till 15.10.2018, (Last date :31.07.2018), only 14 SPCBs/PCCs have submitted partial information as per **Form-VI**, however, 21 have not submitted any information.
- MoEF&CC may direct UDDs to ensure setting-up of source-segregation at each household level for post-consumer plastic waste.
- SPCBs/PCCs should also ensure that plastic manufacturing/recycling units are running in non-conforming/residential areas. Besides, it may be also ensured that <50µm plastic carrybags/films should not be manufactured, stocked or sold and used in cities/towns.
- SPCBs/PCCs and Municipalities should constitute squad to check illegal manufacturing, stocking, sale, of plastic <50m plastic carrybags.
- SPCBs/PCCs shall ensure that Annual Report on implementation of PWM Rules, 2016 amended 2018 are complete in all respect as per **Form-VI** and submitted timely to CPCB i.e. on **31st July each year**.
- Many States/UTs have not constituted State Level Monitoring Committee (SLMC) Body to monitor implementation of PWM Rules, 2016 as amended 2018.
- State Urban Development shall incorporate PWM Rules, 2016, as amended, 2018 as amended 2018 in Municipal Bye-laws for its effective implementation.
- SPCBs/PCCs & UDDs shall ensure that open burning of plastic waste do not occur.
- SPCBs/PCCs and UDDs shall ensure that plastic waste is not littered in public places and not dumped on open drains, river, banks, sea beaches.
- SPCBs, PCCs & States/UDDs shall comply with directions of Hon'ble NGT in its order dated 20.07.2018 in the matter CPCB Vs State Governments (OA 247/2017).
- MoEF&CC shall take up issue of non-compliance of the PWM Rules with Chief Secretaries and Chief Minister of the State/UT, through Hon'ble Minister for Environment, Forest & Climate Change, Govt. of India.

NOTE: State wise table implementation status in **Form-VI** is annexed.

Annexure-I

FORM-VI

**STATE-WISE STATUS OF IMPLEMENTATION OF PLASTIC WASTE MANAGEMENT RULES, 2016, AS AMENDED
2018, ANNUAL REPORT FOR THE YEAR... 2017-18**

Name of the SPCB or PCC	Estimated Plastic Waste generation Tons for Annum (TPA)	Implementation of thickness >50 µm carrybags (virgin/ recycled) [Rule 4(c & d)]	Details of Plastic Waste Management Ex. Collection, Segregation & Disposal (Co-Processing, Road construction, etc.) Rules (5 & 6 & 9). (Attach Action Plan)	Partial/Complete ban on use of Plastic carrybags (through Executive Order) Attach copy of notification or Executive Order	No. of registered Manufacturing/Recycling Units (Rule 13)			No. of unregistered Manufacturing/Recycling Units (in residential or unapproved areas) (Rule 13)	Status of Marking, Labelling on carrybags & (Rule 11) Specify No. of units not complied	No. of violations & action taken on non-compliance of provisions of PWM Rules, 2016, as amended, 2018 (Rule 12)	Status of submission of Annual Report by ULBs to SPCB/PCCs [Rule 17(2)]	Submission of Annual Report to CPCB [Rule 17(3)]
					Plastic Units	Compostable Plastic Units	Multi-layer Plastic Units					
1	2	3	4	5	6			7	8	9	10	11
Andaman & Nicobar Islands	Information not provided											
Andhra Pradesh	Information not provided											
Arunachal Pradesh	6	Complete ban	Collection done by hand through Municipal man power.	Complete ban	Nil	Nil	Nil	-	Not Provided	Not Provided	Not Provided	Submitted
Assam	Information not provided											
Bihar	2280	-	Nil	Not banned	1	Nil	Nil	40	Partially complying	Nil	3/140 ULBs	Submitted
Chandigarh	12775	Complete Ban on plastic carrybags	Door to door Waste collection system from house-holds and waste used at RDF processing plant	Complete Ban	126	Nil	Nil	Nil	Nil	808 challans have been issued against violations	1	Submitted
Chhattisgarh	Information not provided											

1	2	3	4	5	6	7	8	9	10	11		
Daman, Diu & Dadra Nagar Haveli	Information not provided											
Delhi	Information not provided											
Goa	Information not provided											
Gujarat	269808	< 50 micron carrybags are banned	68973.25 MT of plastic waste used for co-processing in cement plants	Partial Ban (Complete ban in Gandhinagar city)	869	3	10	0	Not Provided	Show cause notice has been issued to 61units and closure Direction issued to 15 units for non-compliance of rules.	167	Submitted
Haryana	Information not provided.											
Himachal Pradesh	Information not provided.											
Jammu & Kashmir	27870	<50 microns carry bags are banned in J & K State	Nil	Partial ban imposed on manufacture & distribution of carrybags Vide SRO 45 dt.3-2-2017	187	Nil	21	22	Complied with the PWM Rules	99 violations registered & Rs. 62,200 collected from defaulters	20/80 ULBs submitted the annual report	Submitted
Jharkhand	Information not provided											
Karnataka	Information not provided											
Kerala	Information not provided											
Lakshadweep	Information not provided											
Madhya Pradesh	61037	Ban	Plastic waste is utilized for Co-processing, road construction & RDFs	Complete ban on the plastic carrybags in the entire State	47	0	24	20	Complied with the PWM Rules	Violations has not observed	106/382	Submitted
Maharashtra	Information not provided.											

1	2	3	4	5	6			7	8	9	10	11
Manipur	24	Ban		Not banned	2 (carrybag Mfg.)	Nil	4 MLP & 4 recycling units	1 recycling unit	-	MPCB conducted a massive drive and seized 11000 kg of plastic carrybags		Submitted
Meghalaya	15.096	<50 micron products are banned	Workshops have been organized by the Board & collaboration on cpcb and regard to co-processing of water in their Kiln like Dalmia Bharar, east jaintia hill districts.	Not banned	4	Nil	Nil	Nil	-	Nil	7	Submitted
Mizoram	Information not provided											
Nagaland	14052.5	Complete ban on Plastic carrybags	Plastic waste has been utilized for road construction	Ban	6	Nil	Nil	Complied with the Rules	Govt. of Nagaland aims to make plastic free State by November, 2018	Nil	There are 3 MB & 6 Town councils.	Submitted
Odisha	12092.2 05	Complete ban on Plastic carrybags	Plastic waste is utilized for Co-processing in Cement Plant,	Govt. imposed complete ban on plastic carrybags	12 Mfg. & 1 recycling units	Nil	7	Data Not provided	-	Nil	AR Submitted by 25/114 ULBS	Submitted
Puducherry	Information not provided											
Punjab	54066.1	Complete Ban	Govt. has been implementing the door to door waste collection system and rag pickers segregates plastic waste at their own level at the dumpsite.	Notifications regarding complete ban on plastic carry bags issued vide. Dated 29 th march, 2016.	142	0	2	246	Plastic carry bags has been banned in the entire State of Punjab	Closure directions issued to 2 units and show cause notices have been issued to 54 units for non- compliance of Rules	164	Submitted

1	2	3	4	5	6	7	8	9	10	11		
Rajasthan	Information not provided.											
Sikkim	Information not provided.											
Tamil Nadu	Information not provided.											
Telangan a	Information not provided.											
Tripura	28.5TP A	Complete Ban on plastic carrybags	20 (twenty) Urban Local Bodies collected & disposal as per Plastic Waste Management Rules, 2016	Complete Ban on plastic carrybags	Nil	Nil	Nil	Nil	Complied with the Rules	TSPCB conducted raids on Plastic carry bags mfg. units and imposed Rs.17000 as penalty for non- compliance of Rules	20	Submit ted
Uttar Pradesh	206733. 4505	Complete ban on Plastic carrybags	No such action plan has been received from any local body	Complete ban on Plastic carrybags	34	0	99	16	No Such action plan has received local Body	-	653 local bodies have not submitted the report	Submit ted
Uttarakha nd	Complete ban on plastic carrybag s	Ban	Nil	Ban	255	Nil	16	14	Not provided	-	101 ULBs not submitted Annual Report.	Submit ted
West Bengal	Information not provided.											

Note:
Registered Manufacturing/Recycling =1685
Multilayer = 180
Compostable =16
Unregistered = 383