

# Annual Report

*for the year*

**2018-19**

*on*

**Implementation**

*of*

**Plastic Waste Management Rules**

**(As per Rule '17(4)' of PWM Rules, 2018)**



**(OCTOBER, 2019)**

**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, 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 **31<sup>st</sup> July of each year**. Also, as per provision "17(4)" of PWM Rules, 2018, the Central Pollution Control Board 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<sup>st</sup> August of each year**.

Therefore, in accordance with the PWM Rules, 2018 based on information submitted by **35 SPCBs/PCCs**, a consolidated annual report for the year 2018-19 has been prepared, including State-wise observations of the current status of implementation of Plastic Waste Management Rules in each State/UT.

## 2.0 State-wise Observations:

- 1. Andaman & Nicobar Islands:** The estimated plastic waste generation in the UT is approximately 1850 T/annum during 2018-19. The Administration of UT imposed complete ban on plastic bags. There are no plastic manufacturing/recycling and unregistered units in the UT. As per provisions 5 & 6 of PWM, Rules 2018, for collection, segregation, transportation & disposal of Plastic Waste, Municipal Authority collects solid waste from door to door and the segregated plastic waste is utilized in recycling & Road construction as per IRC Guidelines. Further, no violation of Rules was observed in the UT. One Municipality & 70 Gram Panchayats have submitted Annual Report to ANPCC.
- 2. Andhra Pradesh:** The estimated plastic waste generation in the State is approximately 66314 T/A during 2018-19. Rule **4(c & d)** for thickness criteria has implemented. There are 80 plastic manufacturing units, 6 Recycling units and no unregistered units in the State. Partial ban on use of plastic carry bags irrespective of thickness in Bobbili, Tadipatri, Tirupati & Vijayawada Municipalities. The collected plastic waste has been segregated and disposed off by plastic waste recyclers and non-recyclable waste sent to Co-processing in cement kilns & partly for Road construction. Further, 172 tons of plastic bags were seized and Rs. 83.88 Lakhs of fine was collected from defaulters. Annual Reports furnished by all ULBs & Census Towns.

- 3. Arunachal Pradesh:** The estimated plastic waste generation is approximately 3787.37 T/A during 2018-19. There are no plastic manufacturing or recycling & unregistered units in State. There is partial ban on use of plastic carrybags in East Siang, Tawang, Leparada Changlang, Kameng & Tirap Districts. Details of plastic waste management have not provided. All ULBs (34) have submitted AR to APSPCB.
- 4. Assam:** The estimated plastic waste generation in the State is approximately 32277.87 T/A during 2018-19. There are 17 registered plastic manufacturing units in the State and one application is under process. Complete ban on single use plastics including plastic carry bags irrespective of thickness vide Notification no. ENG.1/2019/17, dated: 29.04.2019. The segregated Non-Recyclable plastic waste has been utilized in Road construction on a pilot project. No violation of Rules was observed. Further, efforts are being made to dispose Non – Recyclable plastic waste for Co-processing in Cement Kilns. Out of 101 ULBs, 66 ULBs have submitted the Annual Report to APCB.
- 5. Bihar:** The estimated plastic waste generation is approximately 68903.328 T/annum during 2018-19. Complete Ban on plastic carry bags vide Gazette Notification No.943, dated: 24.10.2018 (Urban Area), No. 1043 Dt.11.12.2018 (Rural Area). There are no registered plastic manufacturers/Recyclers & 464 (225 Producers, 203 Brand Owners & 36 Recyclers) unregistered plastic manufacturing/MLP/recycling units. Violation of Rules was observed, proposed direction issued to unregistered Recyclers, Producers, & Brand Owners for the registration under PWM Rules, 2018. 142 ULBs have submitted AR to BPCB. However, the details regarding plastic waste management has not provided.
- 6. Chandigarh:** The estimated plastic waste generation in the UT is approximately 11715.4 T/annum during 2018-19. There is Complete ban on plastic carrybags vide Notification no. ED/2008/684, dated: 30.07.2008, however, compostable bags are allowed in the UT. Municipality staff collects solid waste from door to door and the segregated plastic waste sent to RDF processing plant for final disposal. There are no registered & unregistered plastic manufacturing units. Further, there are 7 registered recycling units in the UT. 808 challans have been issued against violations.

**7. Chhattisgarh:** The estimated plastic waste generation is approximately 6000 MT/annum during 2018-19. Complete ban on plastic carrybags vide Notification dated: 27.09.2017. The collected & segregated plastic waste used in Recycling through the registered recyclers and Non-recyclable plastics are being stored separately and will be sold as alternate fuel and raw material to authorized Cement Plants for Co-processing. There are 16 registered units (8 plastic producers & 8 Plastic Recycling) in the State. Further, directions issued for imposition of fine on open burning of Solid & Plastic waste, total Rs. 9,71,961/- fine has been collected and 2553 nos. of court cases have been filed against violators of Rules. 168 ULBs have submitted AR to BPCB. However, the information related to unregistered units has not provided.

**8. Daman Diu & Dadra Nagar Haveli:** The estimated plastic waste generation is approximately 1947.7 T/annum during 2018-19. Complete ban on all kinds of plastic bags. The details of plastic waste management (ex. Collection, segregation & disposal) has not provided. There are 261 registered plastic manufacturing/recycling units in the UT. The notice of directions has been issued to plastic units: 613 units in Daman and 102 units in D.N.H against the violation of PWM Rules, 2018. 6 ULBs have submitted AR to DDNHPC.

**9. Delhi:** The estimated plastic waste generation is approximately 224810 T/annum during 2018-19. There are 18 plastic/multilayer manufacturing/recycling units in the UT. Door to Door waste collection system from households by Municipal Staff and the collected waste sent to waste to energy plants. Further, the following violation have been observed in the UT:

- i. Environmental Compensation of Rs. 50000/- was imposed on 22 Units each which were engaged in manufacturing of plastic products of thickness <50 microns.
- ii. EC of Rs. 50000/- was imposed on 243 Units each which were engaged in burning/dumping of plastic waste in Bhawana & Narela industrial area.
- iii. 28656 Kgs of banned plastic carry bags/sheets made of thickness less than 50 microns were seized.
- iv. Show cause notices have been issued to 1691 plastic units on 24.06.2019 for registration under PWM Rules, 2018.

However, the information related to implementation of thickness criteria, ban on

plastic carry bags, no. of unregistered plastic manufacturing units & proper marking and labelling has not been provided. All (5) ULBs have submitted the partial information in Annual Report.

**10. Goa:** Approximately 32580.52 T/annum of plastic waste generated during 2018-19. The Provision 4(c & d) of thickness criteria has been implemented in the State. There are 35 Registered plastic manufacturing units & no unregistered units in the State. The collected and segregated plastic waste utilized as follows:

- i. 26279.38 T baled RDF sent for Co-processing in Cement kilns.
- ii. 6057.62 T plastic waste recycled.
- iii. 243.52 T of inert is disposed in Sanitary Landfill.

Further, violation of Rules has been observed, 290 cases have been booked and an amount of Rs. 2,10,050/- has been collected from the defaulters. However, information related to proper marking & labelling of as per provision 11 of PWM Rules, 2018 has not provided.

**11. Gujarat:** The estimated plastic waste generation is approximately 356873 T/annum during 2018-19. Total 1016 (1002 plastic manufacturing/recycling units, 4 Compostable units and 10 multi-layered plastic units) registered units in the State. No unregistered plastic manufacturer/recycler present in the State. As per provision '5(b)' of PWM Rules, 2018 approximately 86553.62 MT of plastic waste has been used for co-processing in cement plants. Further, the use of plastic carry bags is banned in the city of Gandhinagar city vide Notification No. VN (14)/ENV-10-2008-2100-E, Dated: 28.06.2011. In case of violation, Board & Local Body take necessary actions against violating units in the matter of status of marking & labelling on carry bags. Violation of Rules have been observed during the period from 01/04/2018 to 31/03/2019, Show-cause Notices have been issued to 68 plastic units and Direction issued to 32 plastic units against the violation of Rules. 168 ULBs out of 170 have submitted Annual Reports.

**12. Haryana:** The estimated plastic waste generation is approximately 68735.26 T/annum during 2018-19. Complete ban on use of plastic carry bags as per order of Govt. of Haryana Urban Local Body Dept. dated: 20.08.2013. Door to Door waste collection mechanism & the segregation of plastic waste through the private

bodies. Further, Municipal Corporation of Sonapat framing a proposal in near future to use of plastic waste in road construction. There are 59 registered MLP manufacturing units, no plastic carry bag manufacturing & unregistered units in the State. Violation of Rules have been observed, 3,428 challans issued & total amount Rs. 23,69,700/- collected from the defaulters. Annual Report submitted by State Urban Local Body Dept.

- 13. Himachal Pradesh:** The estimated plastic waste generation is approximately 3672 T/A during 2018-19. Complete ban on use of plastic carry bags in the entire State. Door to Door waste collection system from house-holds and the collected plastic waste utilized in waste to energy plant, road construction & Co-processing in Cement kilns. There are 8 registered MLP manufacturing units and no plastic carry bag & compostable manufacturing units in the State. 9 ULBs have submitted AR to HPPCB. However, details of unregistered units, no. of violations & action taken on non-compliance of PWM Rules, 2018 has not provided.
- 14. Jammu & Kashmir:** The estimated plastic waste generation is approximately 34367.37 T/annum during 2018-19. Rule 4(c) thickness criteria of carry bags is complied, there is no ban on use of plastic carry bags. There are 303 registered plastics, MLP manufacturing units and 72 unregistered units in the State. 214.98 MT polythene less than 50 microns in thickness have been seized & three units are black listed & closed down for manufacturing of plastic bags less than 50 microns. All ULBs (80) have submitted the AR to J&KPCB. However, the details regarding plastic waste collection, segregation & disposal methods have not provided.
- 15. Jharkhand:** The estimated plastic waste generation is approximately 51454.53 T/annum during 2018-19. Complete ban on use of plastic carry bags in the entire State vide Notification letter no. 3900, dated: 15.09.2017. Concessionaires have been appointed in 22 ULBs for implementation of Solid Waste Management. Segregation of waste has been initiated in almost all ULBs. Reverse Vending machine has been installed at Ranchi, Dhanbad & Jamshedpur cities for recycling of plastic bottles as pilot project. In Chas & Jamshedpur plastic has been used for Road construction, Co-processing in Cement plant. There are 59 registered plastic manufacturing units in the State. Further, 793 violations were registered, more than

10548.5 Kgs of plastic carry bags were seized from traders and Rs. 2370570 fine has been imposed on violators of PWM rules, 2018. 42 ULBs have submitted AR to JSPCB.

- 16. Karnataka:** The estimated plastic waste generation is approximately 272776 T/annum during 2018-19. Complete ban on manufacture, use & sale of plastic carry bags vide Notification no. FEE17EPC2012, dated: 11.03.2016. Informal waste pickers are engaged in door to door waste collection system & collected plastic waste used as 25500T for Co-processing in cement industries & 47500 Tons in recycling. There are 95 registered & 43 un registered plastic manufacturing units in the State. Further, 1667 tons of banned plastic products seized & the fine amount Rs. 7448669/- was collected from the defaulters.
- 17. Kerala:** The estimated plastic waste generation is approximately 133316 T/annum during 2018-19. Rule 4(c) thickness criteria of carry bags is complied, there is partial ban on use of plastic carry bags in Sabarimala & Pamba Pilgrim areas, vide Notification dated: 08/11/21 and Erumeli vide Notification dated:02.11.2015. 117 Resource Recovery facility centers & 513 Material Collection facility centers are established in Kerala. There are 1403 registered plastic manufacturing units & no unregistered plastic units in the State. 197 ULBs have submitted AR to KSPCB. However, details related to waste collection system & disposal methods have not provided.
- 18. Lakshadweep:** The estimated plastic waste generation is approximately 153 T/annum during 2018-19. Complete ban on import & use of polythene & plastic material for packing carrying of consumer goods. Door to door waste collection & the segregated waste sent to recycle of plastic waste. There are no registered & unregistered plastic manufacturing/recycling units. Violation of Rules have not been observed. One ULB submitted the Annual Report to LPCC.
- 19. Madhya Pradesh:** The estimated plastic waste generation in the State is approximately 72327.39 T/annum during 2018-19. The collected plastic waste is utilized in Recycling (52559 MT), Co-processing (18283), Road construction & RDF 1(222.5 MT). Complete ban on plastic carry bags in the State vide Notification No. F-5-2015-18-5, dated: 24.05.2017. There are 139 (45 plastic manufacturing, 31 MLP and 63 plastic recycling) registered plastic manufacturing/recycling units

and no unregistered plastic units in the State. Violation of Rules have been registered such as 51.62 MT of polythene seized and Rs. 43 lakhs penalty has been collected. 274 out of 378 ULBs have submitted the Annual Report to MPPCB.

**20. Maharashtra:** The estimated plastic waste generation is approximately 409630 T/annum during 2018-19. Complete ban on certain plastic products like

- i. Plastic bags with or without handle irrespective of size and thickness
- ii. Single Use disposable items like cups, plates, straws, spoons etc.
- iii. Non-woven Polypropylene bags vide Maharashtra Plastic and Thermocol Products Notification, 2018 dated: 23.03.2018 and amendment dated 11.04.2018, 30.06.2018 & 14.06.2019.

The efficiency of plastic waste collection is 67%. There are 288 (276-plastic, 1-compostable & 11-MLP) registered manufacturing units and 162 (143 producers & 19 recyclers) units have neither registered with MPCB, nor applied for registration. Violations observed and the following actions have been taken as per Rules:

- i. MPCB has issued directions to leading Brandowners using MLP and PET bottles,
- ii. Issued closure directions to 312 plastic manufacturing units.
- iii. Collected fine of Rs. 4.1 Cr.
- iv. Around 1180 tons of banned plastic items have been seized

Further, 366 out of 384 ULBs have submitted the Annual Report to MPCB. However, details of plastic waste disposal methods have not provided.

**21. Manipur:** Approximately, 12453.8 T/annum of plastic waste is generated during 2018-19. Rule 4(c & d) "thickness criteria" is implemented in the State, besides, State Govt. of Manipur imposed ban on usage of plastic carry bags, plastic sheets, wrapping sheets made by recycled material vide Notification no. 56/38/99-For&Env't, dated: 12.09.2017 & no ban on plastic carry bags in the State. There are 4 registered plastic (1-Unit Mfg. of carry bag from virgin Raw material & 3-partial recycling units (waste collection centers)) units & no unregistered plastic units in the State. Further, M/s. Lone plastic carry bag manufacturer started marking and labelling on carry bags as per rules. However, details of waste management, registered MLP manufacturing units, no. of violations observed and no. of ULBs have furnished the Annual Report to MPCB has not provided.



- 22. Meghalaya:** Approximately, 1263 T/annum of plastic waste is generated during 2018-19. Use & sale of plastic bags <50 microns has been prohibited in the State. The waste is collected as municipal waste into dry & wet waste. The plastic waste is segregated from the dry waste at the dumpsite and collected for compaction and bailing. 1 Km road was constructed in Nongkynjeng village in west Khasi Hills by using plastic waste. No ban on plastic carry bags in the State. 4 registered plastic manufacturing/recycling units & no compostable, multi-layer plastic and unregistered units. Further complied with the rules in marking & labelling on plastic carry bags. 7 ULBs have submitted the Annual Report to MSPCB. However, details no. of violations observed during the year 2018-19 have not provided.
- 23. Mizoram:** The estimated plastic waste generation is approximately 13.306 T/annum during 2018-19. There is no ban on plastic carry bags in the State, besides, Municipal Corporation of Aizwal prohibited the use of plastic carry bags, further, Govt. has imposed prohibition on distribution or placing of packaged drinking water made of plastics in all official meetings or gatherings w.e.f. 20.05.2019. Action Plan for implementation of the Rules, 2016, prepared by the AMC, collection centers for Plastic waste have been established in Urban towns & Rural areas. NGOs (YMA) & Village Councils (Panchayats) are mobilized thus taking active part in PWM. The MPCB has been pursuing the state PWD and the AMC for utilization of plastic waste for Road construction. There are 2 registered MLP units, no registered & unregistered plastic manufacturing/recycling units in the State. No violations have been observed in the State. Only Aizwal Municipal Corporation has submitted the Annual Report to MPCB.
- 24. Nagaland:** The estimated plastic waste generation is approximately 268.18 T/annum during 2018-19. Govt. Of Nagaland imposed complete ban on plastic carry bags irrespective of thickness, vide Notification dated: 17.06.2019. The complete details of plastic waste management have not provided. Plastic waste collected by rag pickers sold to scrap dealers/material recovery center, who in term sell to recyclers. Further, polymer bitumen road is also practiced in limited way using plastic waste. There are 6 registered plastic manufacturing units, no MLP & unregistered units in the State. Provision 11 for marking & labelling is implemented. No violation of PWM Rules has observed. Three Municipal Bodies and 6 Town Councils have been submitted annual report to NSPCB.

**25. Odisha:** The estimated plastic waste generation is approximately 90138.98 T/annum during 2018-19. Government of Odisha prohibited use polythene sheets of less than 50 microns thickness for storing, transporting, dispensing or packaging of any articles, commodity or food items, use, manufacturing, stocking & recycling of carry bags in the State. Further, Polythene carry bags thickness of any shape and size has been banned in 5MCs and in holy city of Puri. Major ULBs have been instructed to send segregated plastic waste to ACC Ltd., Baragarh for Co-processing in cement kiln. There is partial ban in the State, Forest & Environment Dept. has also issued specific directions vide order no. 21103 dated: 29.09.2018 to restrict the use of certain types of plastic products such as

- i. polythene carry bags irrespective of thickness,
- ii. bottles of less than 200ml,
- iii. Single use disposable cutleries made up of thermocol or plastic such as dish, spoon, cup, plate, glass, fork, bowl, pouch, to store liquid and container, etc. excepting for packing & selling of milk products) within Six MCs/Municipality limits of Bhubaneshwar, Cuttack, Berhampur, Rourkela, Sambalpur and Puri w.e.f. 02.10.2018

There are 8 registered plastic manufacturing/recycling units, no multilayered plastic units & un registered plastic units. No violation of Rules has been observed. All ULBs (114) have submitted the Annual Report to OSPCB. However, the details of marking and labelling have not provided.

**26. Punjab:** The estimated plastic waste generation is approximately 90138.98 T/annum during 2018-19. Government of Punjab has imposed complete ban on sale, recycling, use, manufacturing, stocking & recycling of carry bags in the State w.e.f: 01.04.2016, Notification issued by Dept. of Local Govt. vide notification no. 5/18/2016-4lg4/692717/1 Dated: 18.02.2016 and Dept. of Rural Development & Panchayat, vide notification no. S.O.438/P.A.9/1994/S30/2016 dated: 29.03.2016. None of the ULB have submitted Action Plan for Plastic Waste Management. Besides, 3 No. ULBs (SBS Nagar, Moonak, Amargarh) have started door to door segregation of solid waste and the segregated recyclable Plastic Waste channelized through rag pickers. There are 129 plastic manufacturing/recycling units, 3MLP manufacturing units & 16 unregistered plastic manufacturing/recycling units in the State. Status of marking and labelling is observed as per Rules.

Violation of Rules have been observed and show-cause notices issued to 287 plastic units for obtaining registration under PWM Rules, 2018. 167 ULBs have submitted the Annual Report to PPCB.

**27. Puducherry:** The estimated plastic waste generation is approximately 8433 T/annum during 2018-19. Administration of Puducherry has imposed complete ban on single use plastics with effect from 02.08.2019. 272 MT MLP waste collected by M/s. Hindustan Unilever Ltd., Vadamangalam and sent for Co-processing in Dalmia Cements. Further, M/s Amcor India Pvt. Ltd., made 100mt. road using plastic waste. There are 49 plastic manufacturing/recycling units, 4 MLP manufacturing units & 42 unregistered plastic manufacturing/recycling units in the UT. Status of marking and labelling is being carried out and also direction has been issued to the industries. Violations have been observed, inspections were carried out and seized 8 bundles of plastic carry bags from three major stockiest. Further, Closure direction issued to 3 plastic manufacturing units. 5 ULBs out of (10) have submitted the Annual Report to PPCC.

**28. Rajasthan:** The estimated plastic waste generation is approximately 104704.383 T/annum during 2018-19. Government of Rajasthan has imposed complete ban on manufacture, storage, import, sell or transport of plastic carry bags vide notification Dt. 21/07/2010. Door to door waste collection by the Local Bodies and making efforts to segregate the waste. There are 2 plastic manufacturing/recycling units, 7 MLP manufacturing units & no unregistered plastic manufacturing/recycling units in the State. No violation of rules has been observed. All ULBs (191) have submitted the Annual Report to RSPCB. However, the details of plastic waste disposal have not provided.

**29. Sikkim:** The estimated plastic waste generation is approximately 5.66 T/annum during 2018-19. Government of Sikkim has imposed complete ban on plastic carry bags, vide Notification no. GOS/UD&HD97-98/6(85) Dated: 04.06.1998. There are no plastic manufacturing/recycling/MLP units, & unregistered plastic manufacturing/recycling units in the State. All ULBs (7) have submitted the Annual Report to SSPCB. However, the details regarding plastic waste management, marking & labelling and violation of Rules have not provided.

**30. Tamil Nadu:** The estimated plastic waste generation is approximately 401091 T/annum during 2018-19. TN Govt. 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. w.e.f. 01.01.2019. Plastic waste collected is segregated, low value plastic & MLP used for Road laying, recyclable plastic waste sold to recyclers and non-recyclable plastic waste disposed to cement industries for Co-processing. There are 189 plastic manufacturing/recycling units, 8 MLP manufacturing units & 280 unregistered plastic manufacturing/recycling units in the State. Violations have been observed, issued closure direction and disconnection of power supply to 6 fake compostable carry bag units. Directions issued to all CPCB certified Manufacturers/Sellers (21 nos.) of Compostable plastic so as to obtain Registration as per Rules, furnish details of suppliers/brand owners of compostable carry bags are sold, to provide QR code/bar coding facility so as to prevent fake compostable carry bags, etc. Directions issued to 280 plastic recycling units so as to obtain Registration. 12 Municipal Corporations, 124 Municipalities and 528 Panchayats have submitted annual report to TNPCB.

**31. Telangana:** The estimated plastic waste generation is approximately 183014.65 T/annum during 2018-19. Government of Telangana has imposed ban on <50 micron thickness plastic bags. Door to door waste collection done by staff of ULBs and Segregated plastic waste utilized as:

(i) 6.34 MT for road construction

(ii) 494 tons recycled

(iii) Warangal MC is sending 4-5TPD of PW to Cement industries for Co-processing.

There are 242 plastic manufacturing/recycling units, 2 MLP manufacturing units & no unregistered plastic manufacturing/recycling units in the State. Marking is being carried out on the carry bags. Violations have been observed and collected fine of Rs. 10.42 Lakhs and cumulative fines collected from violators as on date 45.31 Lakhs. All ULBs (74) have submitted the Annual Report to TSPCB.

**32. Tripura:** The estimated plastic waste generation is approximately 26.2 T/annum during 2018-19. Government of Tripura has imposed Complete Ban on all kinds of plastic carrybags, vide Notification No. F. 8(30)/DSTE/ENV/Pt-II/1679-97, dated:

10.03.2015. A Notification has been issued for enhancing monetary penalty for use, sell, store and import of banned plastic carry bags vide Notification No.F.8(30)/DSTE/ENV/Pt-III/3890-3908, dated: 01.06.2018. 20 ULBs collected & disposed as per PWM Rules. There are 23 registered plastic manufacturing/recycling units, no MLP & unregistered plastic manufacturing/recycling units in the State. Further, Marking & Labelling is not started yet in Tripura. Violation of Rules have been observed during TSPCB raids and collected Rs.2,43,700/- as penalty for use, sell and import of banned plastic carry bags. 20 ULBs have submitted the Annual Report to TSPCB.

**33. Uttarakhand:** The estimated plastic waste generation is approximately 31093 T/annum during 2018-19. Government of Uttarakhand imposed complete ban on sale, use & storage of Plastic carrybags, plates, glasses, cups & packaging Items, vide Notification No. 88/x-3-17-13(11)/2001, Dated: 25.01.2017. The collected & segregated plastic is through the 25 recyclers and got the profit of 75.5 Lakhs. There are 30 plastic manufacturing/recycling units, 27 MLP manufacturing units. Following violations have been observed:

- (i) Board has issued direction to all District Magistrates for compliance of PWM Rules, 201
- (ii) Rs. 110.53 Lakhs collected from defaulters.
- (iii) Rs. 24.08 Lakhs has been collected for violation of anti-littering and spitting Act, 2016.

90 ULBs and 7542 Panchayat have submitted the Annual Report to Uttarakhand Environmental Protection & Pollution Control Board. However, details of unregistered plastic manufacturing/recycling units have not provided.

**34. Uttar Pradesh:** The estimated plastic waste generation is approximately 254401.8 T/annum during 2018-19. As per Notification no. 1056/9-7-18-29(Lucknow)18, dated: 15.07.2018 of Uttar Pradesh Government, manufacturer, sale, use, storage, transport, import & export of all kinds of disposable Plastic carrybags, plates, glasses, cups, spoons, tumblers, etc. made up of plastic or thermocol disposable after one-time use is prohibited in the State. The collected and segregated plastic waste is utilized as:

- (i) 21.37MT in Cement Industries for Co-processing.
- (ii) M/s. Uflex Ltd. (6TPD) is using the Non-Recyclable Plastic Waste for

the production of fuel, carbon black & gas.

- (iii) Waste to Oil generation plant (3TPD) is installed in Jhansi.
- (iv) M/s. GPL Polyfills has recycled 78625.7MT of PET Bottles for the production of fibres during the year 18-19.
- (v) M/s. Reliance Industries Ltd. has recycled 14941MT of PET Bottles for the production of Raw Material during the year 2018-19
- (vi) The use of Plastic Waste for Road construction has been started.

There are 56 plastic manufacturing/recycling units, 77 MLP manufacturing units & 23 unregistered plastic manufacturing/recycling units in the State. Following violations were observed:

- (i) Around 106 tons of banned items have been confiscated and fine of Rs. 2.47 Cr has been imposed on Defaulters.
- (ii) Issued closure orders to 23 unregistered plastic manufacturing units.
- (iii) Show-cause notices issued to 208 Brandowners for compliance of Rule 9(EPR).
- (iv) State Govt. has developed an Online Portal for monitoring of various Environmental Laws including PWM Rules, 2018.

Further, 652 local bodies have submitted the Annual Report to UPPCB

**35. West Bengal:** The estimated plastic waste generation is approximately 300236.12 T/annum during 2018-19. Government of West Bengal has imposed partial ban, several Orders for restricting use & sale of plastic carry bags in ecologically fragile areas, heritage & tourist spots had been issued by WBPCB & GoWB. Further draft Notification regarding restriction on use of single use plastics items has been finalized and will be notified shortly. Polymer Bitumen roads have been constructed by some ULBs like Kalyani, Chandernagore, Ashokenagar, Kalyangarh & New Kolkata development Authority. There are 84 plastic manufacturing/recycling units, 5 MLP manufacturing units. No violations have been observed. Status of marking and labelling is observed under guidelines issued to Stake holders regarding this issue. 125 Municipalities and 3354 Gram Panchayat have submitted the Annual Report to WBPCB. However, details of unregistered plastic manufacturing/recycling units in the State have not provided.

### 3.0 Conclusions:

All 35 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 unable to collect information from all Urban Local Bodies (ULBs) of the State. Based on the available information, following observations have been made:

#### 3.1. Estimated plastic waste generation during the year 2018-19 is 33,60,043 Tons/Annum:

Fig.1. shows the State and UT-wise plastic waste generation (Tons/Annum) across the country.

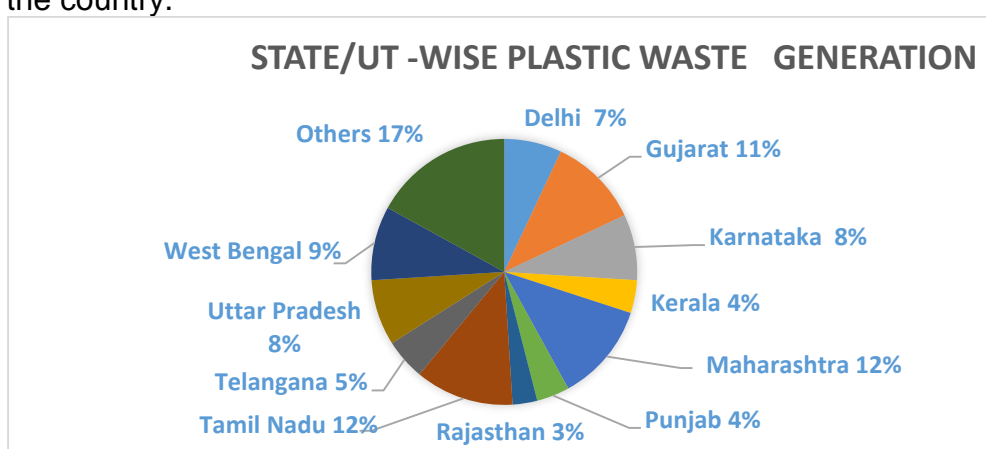


Fig.1: State/UT wise Plastic waste generation

#### 3.2. Implementation of thickness >50microns carry bags as per provisions 4(c & d, Thickness criteria Condition) of PWM Rules, 2018.

22 States/UTs namely Andaman and Nicobar Islands, Assam, Bihar, Chandigarh, Chhattisgarh, Daman Diu and Dadra Nagar Haveli, Haryana, Himachal Pradesh, Jharkhand, Karnataka, Lakshadweep, Madhya Pradesh, Maharashtra, Nagaland, Puducherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttarakhand & Uttar Pradesh have imposed complete ban on carrybags. Besides, 9 States/UTs namely: Andhra Pradesh, Goa, Gujarat, Jammu & Kashmir, Kerala, Manipur, Meghalaya, Odisha & Telangana have complied with thickness criteria the Rule 4(c & d). Further, 4 States/UTs namely Arunachal Pradesh, Delhi, Mizoram & West Bengal have not provided the information in this matter.

#### 3.3. Details of Plastic Waste Management as per Provisions 5, 6 & 9 of PWM Rules, 2016, as amended, 2018: According to the provision '5(b)' of Plastic Waste Management Rules, 2018, *Local bodies shall encourage the use of plastic waste (preferably the plastic waste which cannot be further recycled) for road construction*

*as per Indian Road Congress guidelines or energy recovery or waste to oil etc. The standards and pollution control norms specified by the prescribed authority for these technologies shall be complied with.*

&

*Local Bodies & Gram Panchayats 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 and cities of the country.*

**The details of State-wise utilization of plastic waste is given below:**

- a. Eight (8) States/UTs namely; Arunachal Pradesh, Bihar, Daman Diu & Dadra Nagar Haveli, Jammu & Kashmir, Kerala, Maharashtra, Manipur & Sikkim have not submitted the details in this matter.
- b. 14 States/UTs namely: Andhra Pradesh, Assam, Chhattisgarh, Goa, Gujarat, Himachal Pradesh, Jharkhand, Karnataka, Madhya Pradesh, Odisha, Puducherry, Tamil Nadu, Telangana & Uttar Pradesh are sending plastic waste to cement plants for co-processing.
- c. 15 States/UTs namely: Andaman & Nicobar Islands, Andhra Pradesh, Assam, Haryana, Himachal Pradesh, Jharkhand, Madhya Pradesh, Meghalaya, Mizoram, Nagaland, Puducherry, Tamil Nadu, Telangana, Uttar Pradesh & West Bengal are using plastic waste for polymer bitumen road construction.
- d. 16 States/UTs namely: Andaman & Nicobar Islands, Andhra Pradesh, Chhattisgarh, Goa, Jharkhand, Karnataka, Lakshadweep, Madhya Pradesh, Nagaland, Punjab, Tamil Nadu, Telangana, Uttarakhand and Uttar Pradesh are recycling the plastic waste.
- e. 2 States/UTs namely: Himachal Pradesh & Delhi are sending the plastic waste to Waste to Energy plants.
- f. Uttar Pradesh is utilizing the plastic waste in waste to oil plant. Further, Chandigarh, Goa and Madhya Pradesh are using the plastic waste as RDF.

#### **3.4. Complete/Partial Ban on carry bags:**

22 States/UTs namely Andaman and Nicobar Islands, Assam, Bihar, Chandigarh, Chhattisgarh, Daman Diu and Dadra Nagar Haveli, Haryana, Himachal Pradesh,



Jharkhand, Karnataka, Lakshadweep, Madhya Pradesh, Maharashtra, Nagaland, Puducherry, Punjab, Rajasthan, Sikkim, Tamil Nadu, Tripura, Uttarakhand & Uttar Pradesh have imposed complete ban on carry bags. Besides, 7 States namely Arunachal Pradesh, Andhra Pradesh, Gujarat, Kerala, Mizoram, Odisha and West Bengal have imposed the partial ban on plastic carry bags at religious/historical places. Further, 5 States/UTs namely Goa, Jammu & Kashmir, Manipur, Meghalaya & Telangana have not imposed any ban on plastic carry bags except meeting thickness criteria. Further, Delhi has not provided the information in this regard.

### 3.5. No. of registered Manufacturing/Recycling Units:

As per the provision '13(1)' of PWM Rules, 2018, all the plastic manufacturing/recycling units shall be registered with the concerned SPCBs/PCCs. There are 4773 (4294 –Plastic Mfg., 7-Compostable Mfg., 287-MLP Mfg. & 185-Recycling) Registered units in 30 States/UTs and there are no plastic manufacturing units in Andaman and Nicobar Islands, Arunachal Pradesh, Bihar, Lakshadweep & Sikkim.

### 3.6. No. of unregistered plastic manufacturing/recycling units:

There are 1080 unregistered plastic manufacturing/recycling units running in 12 States/UTs, namely; Assam, Bihar, Jammu & Kashmir, Karnataka, Madhya Pradesh, Maharashtra, Puducherry, Punjab, Tamil Nadu & Uttar Pradesh. Further, Chhattisgarh, Daman Diu and Dadra Nagar Haveli, Delhi PCC, Himachal Pradesh, Uttarakhand & West Bengal have not provided the details in this matter.

The State/UT wise unregistered units are given in fig.3:

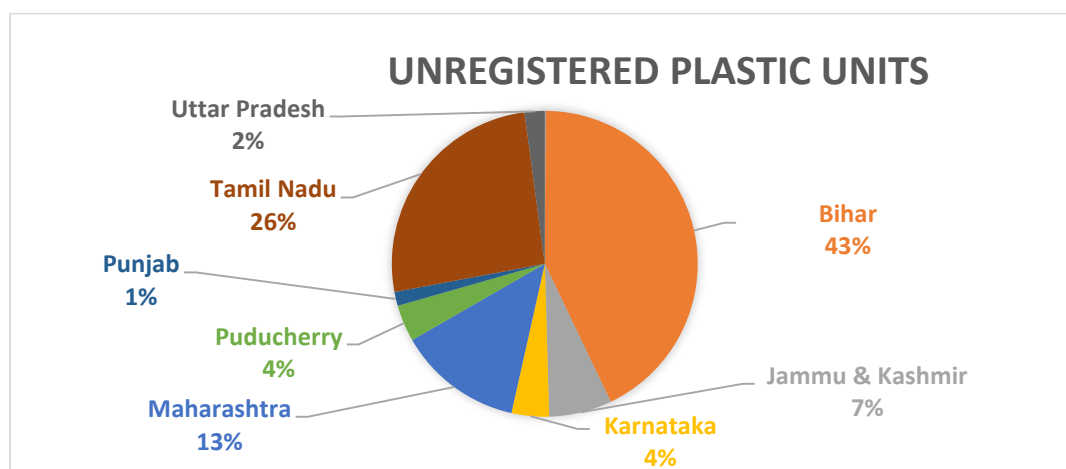


Fig.3: Figure shows the percentage of unregistered units in the respective States/UTs.

### 3.7. Status of marking & labelling on carry bags/Multilayered packaging:

As per provision '11' *marking & labelling* of PWM Rules, 2018, there are 23 States/UTs namely Andhra Pradesh, Assam, Bihar, Chhattisgarh, Daman Diu Dadra and Nagar Haveli, Gujarat, Himachal Pradesh, Jammu and Kashmir, Jharkhand, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Nagaland, Puducherry, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh & West Bengal which have complied with Rule and there are no plastic carry bag manufacturing units in 6 States/UTs namely: Andaman & Nicobar Islands, Arunachal Pradesh, Chandigarh, Haryana, Lakshadweep & Mizoram. Besides, 5 States/UTs namely Delhi, Goa, Odisha, Sikkim & Uttarakhand which have not provided the information in this regard. Further, Marking & Labelling is not started yet in Tripura.

**3.8. No. of violations & action taken on non-compliance of Rules:** As per provision '12' "*the prescribed Authorities for implementation of Rules*" of PWM Rules, 2018, **21** States/UTs namely have imposed fine, issued notices, closure directions to the defaulters & seized the material in their respective State/UT. These are namely Andhra Pradesh, Bihar, Chandigarh, Chhattisgarh, Daman Diu Dadra & Nagar Haveli (DDDNH), Delhi, Goa, Gujarat, Haryana, Jammu & Kashmir, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Puducherry, Tamil Nadu, Telangana, Tripura, Uttarakhand & Uttar Pradesh. Besides, there are no violations in 9 States/UTs namely Andaman and Nicobar Islands, Arunachal Pradesh, Assam, Kerala, Lakshadweep, Mizoram, Nagaland, Rajasthan and West Bengal. Further, 5 States/UTs namely Himachal Pradesh, Manipur, Meghalaya, Odisha, & Sikkim have not submitted the information in this regard.

### 3.9. Status of submission of Annual Report (AR) by ULBs to SPCBs/PCCs:

Except following 6 States/UTs given in the table, all other States/UTs have submitted information provided by all ULBs.

S. No.	Name of the States/UTs	submission of AR by ULBs to SPCBs/PCCs		
		Total No. of ULBs	No. of ULBs submitted	No. of ULBs not submitted
1.	Assam	101	66	35
2.	Gujarat	162	161	1
3.	Madhya Pradesh	378	274	104
4.	Maharashtra	384	366	18
5.	Manipur	Not provided		
6.	Puducherry	10	5	5

#### **4. Recommendations: -**

1. SPCBs/PCCs should direct to UDDs to ensure setting-up of collection, source-segregation & disposal system for plastic waste.
2. SPCBs/PCCs should provide the details of disposed plastic waste with data to CPCB.
3. SPCBs/PCCs should provide the details of plastic manufacturing, recycling, multilayer packaging units with capacity to CPCB.
4. SPCBs/PCCs should also ensure that no unregistered plastic manufacturing/recycling units is in operation & no unit is running in non-conforming/residential areas. Besides, it is also to be ensured that plastic carrybags/films <50microns thickness should not be manufactured, stocked, sold and used in cities/towns.
5. SPCBs/PCCs, UDDs shall ensure to promote compostable carry bags certified by CPCB and provide related data (Registered units and their capacity)
6. SPCBs/PCCs and Municipalities should constitute squad to check illegal manufacturing, stocking, sale of <50microns thickness plastic carrybags and uncertified compostable carry bags/products in the market.
7. SPCBs/PCCs and UDDs to ensure prohibit litter of plastic waste at historical, religious, public places and dumping of plastic waste on drains, river, banks & sea beaches is prohibited.
8. SPCBs/PCCs and UDDs to prohibit open burning of plastic waste.

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

**FORM-VI****STATE-WISE STATUS OF IMPLEMENTATION OF PLASTIC WASTE MANAGEMENT RULES, 2018,  
ANNUAL REPORT FOR THE YEAR 2018-19**

S. No.	Name of the SPCB or PCC	Estimated Plastic Waste generation Tons for Annum (TPA)	Implementation of thickness >50 µm carry bags (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 carry bags (through 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 carry bags & Specify No. of units not complied (Rule 11)	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
1.	Andaman & Nicobar Islands	1850	Complete ban on plastic bags	Door to Door Waste collection from households by the authorized unorganized waste collectors. The segregated plastic waste is used in recycling & road construction.	Complete ban on plastic bags through Gazette Notification No.202, dated: 02.08.2015	No plastic manufacturing & recycling units			Nil	Complete ban on plastic bags	Nil	One Municipal Authority and 70 Gram Panchayats	Submitted
2.	Andhra Pradesh	66314	Complied with the Rule	The ULBs are collecting and segregating the plastic waste and sent to recyclers. The non-recyclable plastic waste sent to Cement plants and partly for Road constructions.	Partial Ban Tadipatri, Vijayawada, Tirupati & Bobbili have imposed Partial ban on plastic carry bags irrespective of their thickness	86 (80 Producers & 6 Recyclers)	Nil	Nil	Nil	Details not furnished. However, Labelling is observed on carry bags.	172 tons of plastic carry bags were seized and Rs. 83.88 lakhs of fines was collected from defaulters.	Furnished by all ULBs and Census Towns	Submitted
3.	Arunachal Pradesh	3787.37	Not Provided	Not Provided	Partial ban Use of plastic carry bags banned in East Siang, Tawang, Leparada Changlang, Kameng & Tirap districts	Nil	Nil	Nil	Nil	Not Applicable. There are no manufacturer of plastic bags and multi-layered packagings in the State	Nil	34/34	Submitted

	1	2	3	4	5	6			7	8	9	10	11
4.	Assam	32277.87	Implemented	Non – Recyclable plastic waste utilized in Road construction on a pilot project. Efforts are being made to dispose Non – Recyclable plastic waste in Cement Kilns.	Ban on single use plastic items including plastic carrybags irrespective of thickness. Notification No. ENG.1/2019/17 Dated: 29.04.2019	13	0	4	1 (application under process)	Implemented	Nil	66/101	Submitted
5.	Bihar	68903.328	Information provided in 5 <sup>th</sup> column	Door to Door waste collection	Complete Ban on plastic bags irrespective of thickness. vide Gazette Notification No.943, dated: 24.10.2018 (Urban Area), 1043 Dt.11.12.2018 (Rural Area)	Nil	Nil	Nil	225 Producers, 203 Brand Owners & 36 Recyclers	Production of Carry bag is completely banned in the State.	Proposed direction issued to violators Recyclers – 36, Producers - 225 & Brand Owners - 203	142 ULBs	Submitted
6.	Chandigarh	11715.4	Complete Ban on plastic carry bags	Door to door Waste collection from households and collected waste is used at RDF processing plant	Complete Ban on plastic carry bags vide Notification No. ED/2008/684 Dt. 30.07.2008 Compostable carry bags are allowed. Further, There is prohibition on use of plastic/non-woven plastic carry bags, plastic plates, glasses & other allied items.	07 Nos. Recycling Units	Nil	Nil	Nil	There is no plastic manufacturing units	808 challans have been issued against violations	1	Submitted
7.	Chhattisgarh	6000	Complete ban on Plastic carry bags	Collected & Segregated plastic waste used in Recycling through the registered recyclers and Non-recyclable plastics are being stored separately and will be sold as alternate fuel and raw material to authorized Cement Plants for Co-processing	Complete Ban on plastic carry bags, Vide Notification dated: 27.09.2017	16 (Producers-8, Recyclers- 8)	Nil	Nil	Not Provided	Not Applicable	i.Directions issued for imposition of fine for open burning of Solid & plastic waste. ii.Total Rs. 9,71,961/- fine has been collected and 2553 nos. of Court cases have been filed against violators of Rules	168	Submitted
8.	Daman, Diu & Dadra Nagar Haveli	1947.7	Complete ban on all kinds of plastic bags	Not Provided	Complete ban on all kinds of plastic bags	261	NP	NP	Not provided	Complete ban on all kinds of plastic bags	Notice of Direction has been issued to plastic units: 613 units in Daman and 102 units in D.N.H	6	Submitted

	1	2	3	4	5	6			7	8	9	10	11
9.	Delhi	224810	Not provided	Door to Door waste collection from households. The collected waste sent to waste energy plant.	Not provided	18 Plastic/Multilayer Units	Nil	Nil	Not Provided	Not Provided	1. EC of Rs. 50000/- was imposed on 22 Units each which were engaged in manufacturing of plastic products of thickness <50 microns 2. EC of Rs. 50000/- was imposed on 243 Units each which were engaged in burning/dumping of plastic waste in Bhawana & Narela industrial area. 3. 28656 Kgs of banned plastic carry bags/sheets made of thickness less than 50 microns were seized. 4. Show cause notices have been issued to 1691 units on 24.06.2019	5	Submitted
10.	Goa	32580.52	Implemented	1. 26279.38T baled RDF sent for Co-processing in cement Kilns 2. 6057.62T waste Recycled 3. 243.52 Tons of inert waste is disposed in sanitary landfill	Not banned	34	Nil	1	Nil	Not Provided	290 Cases has been booked and an amount of Rs. 210050 has been collected.	Complied	Submitted
11.	Gujarat	356873	Direction issued: 32 U/s 5 of EPA	86553.62 MT of plastic waste has been used for co-processing in cement plants	Partial Ban (ban in Gandhinagar city vide Notification No. VN(14)/ENV-10-2008-2100-E, Dated: 28.06.2011)	1002	4	10	Nil	In case of violation Board & Local Body take necessary actions against violating units	Overall action taken under PWM Rules, 2016 (Period from 01/04/2018 to 31/03/2019) SCN issued: 68 Direction issued : 32	161/162 Municipalities and 7/8 Municipal Corporations have submitted	Submitted
12.	Haryana	68735.26	Complete Ban on usage of plastic carry bags	Door to Door waste collection and segregation through the private bodies. Municipal Corporation Sonapat framing a proposal in near future to use of plastic waste in road construction.	Complete Ban on usage of plastic carry bags as per order of Govt. of Haryana Urban Local Body Dept. dated: 20.08.2013	Nil	Nil	59	Nil	There are no Plastic carry bag manufacturing unit in the State	No. of challans = 3428 and total amount collected = Rs. 2369700/-	Submitted by ULBD	Submitted

	1	2	3	4	5	6			7	8	9	10	11
13.	Himachal Pradesh	3672	Complete ban on usage of plastic carry bags	Door to Door waste collection from households & the collected waste utilized in waste to energy plant, Road construction & Co-processing units.	Complete ban on usage of plastic carrybags in the entire State	Not provided	Not provided	8	Not provided	Not applicable	Not provided	9 ULBs	Submitted
14.	Jammu & Kashmir	34367.37	Rule 4(c) is implemented & ban has been imposed on <50micron plastic products	Rule 5 is being followed. Rule 6 to be implemented yet, action plan is being submitted separately for J& K State by Housing & Urban Development Dept.	Not Banned	275	Nil	28 in Jammu	72	Implementation of Rule 11 is being done	214.98MT polythene less than 50 microns in thickness have been seized. Three Units are black listed and closed down for manufacturing of plastic bags < 50microns	80/80 ULBs have submitted the annual report	Submitted
15.	Jharkhand	51454.53	Total ban on carry bags	Concessionaires have been appointed in 22 ULBs for implementation of SWM. Segregation of waste has been initiated in almost all ULBs. Reverse Vending machine has been installed at Ranchi, Dhanbad & Jamshedpur cities for recycling of plastic bottles as pilot project. In Chas & Jamshedpur plastic has been used for Road construction, Co-processing in Cement plant.	Complete Ban on plastic carry bags vide Notification Letter No. 3900, dated- 15.09.2017	59	Not provided	Not provided	Nil	Not applicable	793 violations were registered, more than 10548.5 Kg plastic carry bags were seized from traders and fine of Rs. 2,370570 has been imposed on them	42	Submitted
16.	Karnataka	272776	Information provided in 5 <sup>th</sup> column	Informal waste pickers are engaged in door to door waste collection system & collected plastic waste is utilized as: i. 25500 T for Co-processing units in cement industries, ii. 47500T in recycling.	Complete ban on manufacture, use and sale of carry bags vide Notification No. FEE17EPC2012, Dated: 11.03.2016	95	Nil	Nil	43	Not Applicable since manufacture, use of carrybags is banned	Violations have registered, 1667 Tons of banned plastic products seized & the fine amount ₹7448669/- was collected from the defaulters.	279/279	Submitted
17.	Kerala	133316	Complied	Resource Recovery facility – 117 Material Collection facility - 513	<b>Partial Ban</b> Ban in Sabarimala, Pamba Pilgrim area Notification dated: 8/11/2018 & Erumeli, Notification dated: 02.11.2015	1403	Nil	Nil	Nil	Complied	Nil	197	Submitted

	1	2	3	4	5	6			7	8	9	10	11
18.	Lakshadweep	148	Information provided in 5 <sup>th</sup> column	Door to door waste collection & the segregated waste sent to Kochi for recycling	Complete ban on import & use of polythene & plastic material for packing carrying of consumer goods	Nil	Nil	Nil	Nil	Not Applicable	Nil	1	Submitted
19.	Madhya Pradesh	72327.39	Information provided in 5 <sup>th</sup> column	Collected plastic waste is utilized as: i.52559 MT, Recycled, ii.18283 MT in Co-processing, iii.1222.5in road construction & RDFs	Complete ban on the plastic carry bags in the entire State vide Notification No. F-5-2015-18-5, dated 24.05.2017	108 (Manufacturers-45 Recyclers-63)	0	31 MLP	0	Complete ban on the plastic carry bags in the entire State vide Notification No. F-5-2015-18-5, dated 24.05.2017	51.62 MT of polythene seized and penalty collected Rs. 43 Lakhs	274/378	Submitted
20.	Maharashtra	409630	Complete Ban on plastic carry bags irrespective of size and thickness	Plastic waste collection efficiency = 67%	Complete ban on certain plastic products like i. Plastic bags with or without handle irrespective of size and thickness ii. Single Use disposable items like cups, plates, straws, spoons etc. iii. Non-woven Polypropylene bags. Maharashtra Plastic and Thermocol Products Notification, 2018 dated: 23.03.2018 and amendment dated 11.04.2018, 30.06.2018 & 14.06.2019	276	1	11	162 (143 producers & 19 recyclers) units have neither registered with MPCB, nor applied for registration	Complied with the PWM Rules	i.MPCB has issued directions to leading Brandowners using MLP and PET bottles, ii. Issued closure directions to 312 plastic manufacturing units. iii. Collected fine of Rs. 4.1 Cr. iv. Around 1180 tons of banned plastic items have been seized	366/384	submitted
21.	Manipur	12453.8	Implemented in the State as per Rules	Not Provided	<b>Not Banned</b>  However, State Govt. of Manipur imposed complete ban on usage of plastic carry bags, plastic sheets, wrapping sheets made by recycled material vide Notification no. 56/38/99-For&Envnt, dated: 12.09.2017	4 [1-Unit Mfg. of carry bag from virgin Raw material & 3-partial recycling units.(Waste collection centres)]	Not provided	Not provided	Nil	M/s. Lone plastic carry bag manufacturer started marking, labelling on carry bags as per the Rules	Not Provided	Not Provided	Submitted



	1	2	3	4	5	6			7	8	9	10	11
22.	Meghalaya	1263	Inf. Provided in 5 <sup>th</sup> Column	<p>i. The waste is collected as municipal waste into dry &amp; wet waste. The plastic waste is segregated from the dry waste at the dumpsite and collected for compaction and bailing.</p> <p>ii. 1 Km road was constructed in Nongkynjeng village, in west Khasi Hills by using plastic waste.</p>	<p>Not banned</p> <p>Use &amp; sale of plastic bags &lt;50 microns has been prohibited</p>	4	Nil	Nil	Nil	Complied with Rules	Not Provided	7	Submitted
23.	Mizoram	13.306	Not Provided	<p>i. Action Plan for implementation of the Rules, 2016-prepared by the AMC.</p> <p>ii. The MPCB has been pursuing the state PWD and the AMC for utilization of plastic waste for Road construction.</p> <p>iii. Collection centres for Plastic waste have been established in Urban towns &amp; Rural areas.</p> <p>iv. NGOs (YMA) &amp; village Councils (Panchayats) are mobilized thus taking active part in PWM.</p>	<p><b>Partial Ban.</b></p> <p>1. Ban on plastic carry bags wef. 01.08.2019 by the Aizwal MC.</p> <p>2. Govt. has imposed prohibition on distribution or placing of packaged drinking water made of plastics in all official meetings or gatherings w.e.f. 20.05.2019</p>	Nil	Nil	2	Nil	There are no plastic manufacturers	Nil	1 MC	Submitted
24.	Nagaland	268.18	Information provided in 5 <sup>th</sup> column	<p>i. Collected by rag pickers and sold to scrap dealers/Material Recovery Centre who in term sell to recyclers.</p> <p>ii. Polymer Bitumen road is also practiced in limited way using plastic waste.</p>	<p>Complete Ban Govt. Of Nagaland imposed complete ban on plastic carry bags irrespective of thickness, vide Notification dated: 17.06.2019</p>	6	Nil	Nil	Nil	Yes Labelling is done.	Nil	There are 3 MB & 6 Town councils.	Submitted

	1	2	3	4	5	6			7	8	9	10	11
25.	Odisha	90138.98	<ul style="list-style-type: none"> <li>Government of Odisha prohibited use polythene sheets of less than 50 microns thickness for storing, transporting, dispensing or packaging of any articles, commodity or food items, use, manufacturing, stocking &amp; recycling of carry bags in the State.</li> <li>Further, Polythene carry bags thickness of any shape and size has been banned in 5MCs and in holy city of Puri.</li> </ul>	Major ULBs have been instructed to send segregated plastic waste to ACC Ltd. Bargarh for Co-processing in cement kiln.	<p><b>Partial Ban</b></p> <p>Forest &amp; Environment Dept. has also issued specific directions vide order no. 21103 dated: 29.09.2018 to restrict the use of certain types of plastic products</p> <p>i. polythene carry bags irrespective of thickness,</p> <p>ii. bottles of less than 200ml,</p> <p>iii. Single use disposable cutleries made up of thermocol or plastic such as dish, spoon, cup, plate, glass, fork, bowl, pouch, to store liquid and container, etc. excepting for packing &amp; selling of milk products) within Six MCs /Municipality limits of Bhubaneshwar, Cuttack, Berhampur, Rourkela, Sambalpur and Puri w.e.f. 02.10.2018</p>	8	Nil	Nil	Nil	Not Provided	Not Provided	114/114 ULBS	Submitted
26.	Punjab	119414.64	State Government has imposed complete ban on sale, recycling, use, manufacturing, stocking & recycling of carry bags in the State wef: 01.04.2016	None of the ULB have submitted Action Plan for Plastic Waste Management. 3 No. ULBs (SBS Nagar, Moonak, Amargarh) have started door to door segregation of solid waste and the segregated recyclable Plastic Waste channelized through rag pickers.	Complete ban on plastic carry bags issued by Dept. of Local Govt. vide notification no. 5/18/2016-41g4/692717/1 Dated: 18.02.2016 and Dept. Rural Development & Panchayat, Punjab vide notification no. S.O.438/P.A.9/1994/S30/2016 dated: 29.03.2016	129	0	3	16	Complete ban on Plastic carry bags manufacturing & there are 3 MLP Manufacturing units are complied with the Rules.	Show-cause notices issued to 287 plastic units for obtaining registration under PWM Rules, 2016	167	Submitted

	1	2	3	4	5	6			7	8	9	10	11
27.	Puducherry	8433	Information provided in 5 <sup>th</sup> column	i. M/s. Amcor India Pvt. Ltd., made 100mt. road utilizing plastic waste. ii. 272 MT MLP waste collected by M/s. Hindustan Unilever Ltd., Vadamangalam and sent for Co-processing in Dalmia Cements	Complete ban on single use plastics with effect from 02.08.2019	49	Nil	4	42	Being carried out and also direction has been issued to the industries.	<ul style="list-style-type: none"> <li>Inspections were carried out and seized 8 bundles of plastic carry bags from three major stockists.</li> <li>Closure direction issued to 3 plastic manufacturing units with disconnection of power violation of provisions of PWM Rules, and one unit was revoked.</li> </ul>	5/10	Submitted
28.	Rajasthan	104704.383	Complete Ban on mfg., storage, import, sell or transport of plastic carry bags vide notification Dt. 21/07/2010	Door to door waste collection by the Local Bodies and making efforts to segregate the waste.	Complete Ban on manufacture, storage, import sell or transport of plastic carry bags vide notification Dt. 21/07/2010	2	Nil	7	Nil	Not Applicable. Complete Ban on manufacture, storage, import sell or transport of plastic carry bags vide notification Dt. 21/07/2010	Nil	191/191	Submitted
29.	Sikkim	5.66	Information provided in 5 <sup>th</sup> column	Not Provided	Complete ban on plastic carry bags. Vide Notification no. GOS/UD&HD97-98/6(85) Dated:04.06.1998	Nil	Nil	Nil	Nil	Not Provided	Not Provided	7/7	Submitted
30.	Tamil Nadu	401091	TN Govt. 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. w.e.f. 01.012019	Plastic waste collected is segregated and low value plastic & MLP used for Road laying, recyclable plastic waste sold to recyclers and non-recyclable plastic waste disposed to cement industries for Co-processing. (Action Plan Submitted)	TN Govt. 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. w.e.f. 01.012019	189 (Plastic mfg. units -91 (Producers) Recyclers- 98)	1	8	280 plastic recycling units have not obtained Registration from TNPCCB	Complete Ban	<ul style="list-style-type: none"> <li>Issued closure direction and disconnection of power supply to 6 fake compostable carry bag units.</li> <li>Directions issued to all CPCB certified Manufacturers/Sellers (21 nos.) of Compostable plastic so as to obtain Registration as per Rules, furnish details of suppliers/brand owners compostable carry bags are sold, to provide QR code/bar coding facility so as to prevent fake compostable carry bags, etc.</li> <li>Directions issued to 280 plastic recycling units so as to obtain Registration.</li> </ul>	MCs-12, Municipalities – 124 & Town Panchayats - 528	Submitted

	1	2	3	4	5	6			7	8	9	10	11
31.	Telangana	183014.65	Information provided in 5 <sup>th</sup> column	Door to door waste collection by ULBs. Segregated plastic waste utilized as i. 6.34 MT for road construction ii. 494 tons recycled iii. Warangal MC is sending 4-5TPD of PW to Cement industries for Co-processing.	Ban on < 50 micron thickness plastic carry bags	242  (Brand Owners/Producers-27)	Nil	2	Nil	Marking is being carried out on the carry bags	Collected fine of Rs. 10.42 Lakhs and cumulative fines collected from violators as on date 45.31 lakhs	74/74	Submitted
32.	Tripura	26.2	Information provided in 5 <sup>th</sup> column	20 ULBs collected & disposed as per PWM Rules <b>(Action Plan Submitted)</b>	Complete Ban on all kinds of plastic carrybags, vide Notification No. F. 8(30)/DSTE/ENV/Pt-II/1679-97, dated: 10.03.2015. A Notification has been issued for enhancing monetary penalty for use, sell, store and import of banned plastic carry bags vide Notification No.F.8(30)/DSTE/ENV/Pt-III/3890-3908, dated: 01.06.2018.	23  plastic items manufacturing units. There are no plastic carry bag Mfg. units	Nil	Nil	Nil	Not yet started	TSPCB conducted raids and collected Rs.2,43,700/- as penalty for use, sell and import of banned plastic carry bags.	20	Submitted
33.	Uttarakhand	31093	Information provided in 5 <sup>th</sup> column	The collected & segregated plastic is recycled through the 25 recyclers and got the profit of 75.5 Lakhs	Complete ban on sale, use & storage of Plastic carrybags, plates, glasses, cups & packaging Items, vide Notification No. 88/x-3-17-13(11)/2001, Dated: 25.01.2017	30	Not Provided	27	Not Provided	Not Provided	i. Board has issued direction to all District Magistrates for compliance of PWM Rules, 2016 ii. Rs. 110.53 Lakhs collected from defaulters. iii. Rs. 24.08 Lakhs has been collected for violation of anti-littering and spitting Act, 2016	ULBs – 90, Village Panchayat - 7542	Submitted

	1	2	3	4	5	6			7	8	9	10	11
34.	Uttar Pradesh	254401.8	Information provided in 5 <sup>th</sup> column	<p>Plastic waste is utilized as</p> <p>i. 21.37MT in Cement Industries for Co-processing.</p> <p>ii. M/s. Uflex Ltd. (6TPD) is using the Non-Recyclable Plastic Waste for the production of fuel, carbon black &amp; gas.</p> <p>iii. Waste to Oil generation plant (3TPD) is installed in Jhansi.</p> <p>iv. M/s. GPL Polyfills has recycled 78625.7MT of PET Bottles for the production of fibres during the year 18-19</p> <p>v. M/s. Reliance Industries Ltd. has recycled 14941MT of PET Bottles for the production of Raw Material during the year 2018-19</p> <p>vi. The use of Plastic Waste for Road construction has been started.</p>	<p>Complete ban on Manufacture, sale, use, storage, transport, import &amp; export of all kinds of disposable Plastic carrybags, plates, glasses, cups, spoons, tumblers, etc. made up of plastic or thermocol disposable after one-time use in Nagar Panchayat, Nagar Palika, Nagar Nigam or industrial township of the State constituted under Article 243Q by Vide Notification No. 1056/9-7-18-29(Lucknow)18, dated: 15.07.2018</p>	56	1	77	23	<p>Carry bags are prohibited in the State of UP vide Notification no. 1056/9-7-18-29(Lucknow) 18,dated: 15.07.2018</p>	<p>i. Around 106 tons of banned items have been confiscated and fine of Rs. 2.47 Cr has been imposed on Defaulters.</p> <p>ii. Issued closure orders to 23 unregistered plastic manufacturing units.</p> <p>iii. Show-cause notices issued to 208 Brandowners for compliance of Rule 9(EPR).</p> <p>iv. State Govt. has developed an Online Portal for monitoring of various Environmental Laws including PWM Rules, 2018.</p>	652 local bodies	Submitted
35.	West Bengal	300236.12 (Assumption on an average 6% of Plastic waste in MSW as per CPCB 60 Cities waste generation report)	Not Provided	<p>Polymer Bitumen roads have been constructed by some ULBs like Kalyani, Chandernagore, Ashokenagar, Kalyangarh &amp; New Kolkata development Authority</p>	<p>Partial Ban Several Orders restricting use &amp; sale of plastic carry bags in ecologically fragile areas and in certain heritage &amp; tourist spots had been issued by WBPCB &amp; GoWB.</p> <p>Further draft Notification regarding restriction on use of single use plastics items has been finalized and will be notified shortly.</p>	84	0	5	Not Provided	<p>Guidelines have been issued to the Stake holders regarding this issue.</p>	Nil	Municipalities – 125 & Gram Panchayat - 3354	Submitted

**Note:**

- i. **Total Plastic Waste Generation = 3360043 TPA**
- ii. **Registered Plastic Manufacturing/Recycling units = 4773 (Including Compostable units = 7)**
- iii. **Unregistered Plastic Manufacturing/Recycling units = 1084**