

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION NO. 2275
TO BE ANSWERED ON 09.12.2024

Plastic Waste Management

2275. DR. AMAR SINGH:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) the details of quantity of plastic waste generated during the last five years, State-wise and year-wise;
- (b) the number of fully operational Plastic Waste Management Units (PWMUs) in the country, State-wise;
- (c) the details of budgetary outlay and expenditure for setting up PWMUs along with the percentage of fund utilisation, State-wise;
- (d) the steps taken/proposed to be taken by the Government to enhance the implementation of door-to-door plastic waste collection; and
- (e) the measures undertaken to enable recycling of plastics into useful products, such as construction materials?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI KIRTI VARDHAN SINGH)

(a): As per the information provided by State Pollution Control Boards (SPCBs) / Pollution Control Committees (PCCs) to CPCB, the quantity of plastic waste generation during 2018-19 to 2022-23 are as follow:

Financial Year	Plastic waste Generation (TPA)
2018-19	3360043.45
2019-20	3469781.73
2020-21	4126808.44
2021-22	3901802.06
2022-23	4136188.83

State wise and year wise plastic waste generation is given at Annexure-I

(b): As reported by States and UTs on Integrated Management Information System (IMIS) of SBM(G), 978 Plastic Waste Management Units (PWMUs) are currently operational. State-wise details are given in the Annexure-II.

(c): Under SBM(G), consolidated centre share funds are released to the States/UTs for all the program components. States/UTs have the flexibility to utilize the funds for various components based on their approved Action Plans and priorities. So far as setting up of PWMUs is concerned, the SBM(G) Phase II guidelines provide financial assistance of upto Rs.

16 lakh per Block for construction of a PWMU. Additionally, depending on requirement, PWMUs can be set up in cluster mode for more than one block within the overall funding limits available for those blocks.

(d): The Plastic Waste Management Rules, 2016 mandates local bodies and gram panchayats for collection and transportation of plastic waste. Guidelines have been issued under Swachh Bharat Mission for door to door collection of solid waste including plastic waste for urban and rural areas of the country. The implementation of market based Extended Producer Responsibility (EPR) for Plastic Packaging, notified on 16th February, 2022, by the Ministry of Environment, Forest and Climate Change, Government of India, will also strengthen the plastic waste management infrastructure in the country including collection of plastic packaging waste. The Producers, Importers and Brand owners (PIBOs), while fulfilling their EPR obligation may develop collection and segregation infrastructure of plastic packaging waste based on the category of plastics, which may include different implementation modalities.

(e): The EPR Guidelines on plastic packaging stipulate mandatory targets for recycling of plastic packaging waste. The PIBOs fulfill their EPR obligations by procuring EPR certificates for registered Plastic Waste Processors. The recycled plastic produced after recycling of plastic packaging waste is used to make useful products. The plastic packaging waste which is not recyclable is channelized for road construction as per Indian Road Congress guidelines or energy recovery or waste to oil etc.

Annexure I

**State-wise Plastic Waste Generation in last five years
(Values in Tonnes per annum)**

Sr. No.	State Name	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23
1	Andhra Pradesh	66314	46222	39626.45	36620.101	64339.41
2	Andaman & Nicobar Island	1850	387	492.342	688.025	744
3	Arunachal Pradesh	3787.37	2721	3755.9	1693.65	1113.2
4	Assam	32277.87	24971	58765	38388.5	30450
5	Bihar	68903.328	41365	74263.689	53232.339	63361.56
6	Chandigarh	11715.4	6746	13107.15	13107.15	12761.66
7	Chhattisgarh	6000	32850	47450	51100	21170
8	Daman	1947.7	1948	4726	3954.82	14227.33
9	Delhi	224810	230525	345000	377596	403347.216
10	Goa	32580.52	26068	29441	29440.9	29440.9
11	Gujarat	356873	408201	337693.96	313918.57	271574.6
12	Haryana	68735.26	147734	185168	179406.47	129866.74
13	Himachal Pradesh	3672	13683	6206.782	9654.45	14093.574
14	Jammu & Kashmir	34367.37	74826.33	51710.6	34384	30342
15	Jharkhand	51454.53	43332	20263.447	53432.966	71433.993
16	Kerala	133316	131400	120063.87	71000	71000
17	Karnataka	272776	296380	368080	528031	360780.6
18	Ladakh	NA	Not Submitted	Not Submitted	1915.05	860.5
19	Lakshadweep	148	46	523.54	279.09	1358
20	Madhya Pradesh	72327.39	121079	138483.58	132955.4	182613.5
21	Maharashtra	409630	443724	311254	292987	395759
22	Manipur	12453.8	8293	10303	12500	12702
23	Meghalaya	1263	5043	191 not Complete for all ULBs	Information incomplete	2223.6
24	Mizoram	13.306	7909	1514.51	2634.794	4835.21
25	Nagaland	268.18	565	4785.94	92.84	342.89
26	Odisha	90138.98	45339.4	51269.9	40696.43	53795.336
27	Punjab	119414.64	92890	108332.06	94958.95	128744.64
28	Pondicherry	8433	11753	12754	12775	31087
29	Rajasthan	104704.383	51966	66324.57	72044.771	83242.74
30	Sikkim	5.66	69	82.75	104.74	84.64
31	Tamil Nadu	401091	431472	430107	397387.684	782560
32	Telangana	183014.65	233655	472675	494940	528520
33	Tripura	26.2	32	61.65	169.63	347.291
34	Uttarakhand	31093	25203	18647.75	44924.71	42276.7
35	Uttar Pradesh	254401.8	161148	375950	375950	Not Submitted
36	West Bengal	300236.12	300236	417925	128837.03	294789
Total		3360043.45	3469781.73	4126808.44	3901802.06	4136188.83

Annexure-II

State-wise details of operational PWMUs and quantity of waste generated (as on 05.12.2024)		
Sl No.	State Name	No. of PWMUs operational
1	A & N Islands	0
2	Andhra Pradesh	139
3	Arunachal Pradesh	0
4	Assam	0
5	Bihar	102
6	Chhattisgarh	8
7	D & N Haveli and Daman & Diu	0
8	Goa	0
9	Gujarat	0
10	Haryana	0
11	Himachal Pradesh	29
12	Jammu & Kashmir	43
13	Jharkhand	7
14	Karnataka	9
15	Kerala	48
16	Ladakh	0
17	Lakshadweep	0
18	Madhya Pradesh	8
19	Maharashtra	21
20	Manipur	0
21	Meghalaya	3
22	Mizoram	4
23	Nagaland	0
24	Odisha	20
25	Puducherry	2
26	Punjab	8
27	Rajasthan	0
28	Sikkim	2
29	Tamil Nadu	326
30	Telangana	29
31	Tripura	0
32	Uttar Pradesh	68
33	Uttarakhand	51
34	West Bengal	51
Total		978

Source: Data reported by the States/UTs on SBM(G) IMIS