

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
STARRED QUESTION No. 145
TO BE ANSWERED ON 31.07.2023

Disposal of Medical Waste

*145. DR. PRITAM GOPINATHRAO MUNDE:
SHRI RAHUL RAMESH SHEWALE:

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

- (a) the details of the medical waste output in the country during the last two years, State-wise, particularly in Odisha;
- (b) whether the Government has carried out any assessment of the pollution caused by PPE kits, masks and other materials used for the prevention of COVID-19 during the Corona period and if so, the details thereof;
- (c) whether the Government is aware that disposal of pharmaceutical waste and the manufacturing practices undertaken can lead to antimicrobial resistance; and
- (d) if so, the action taken by the Government for the proper disposal and treatment of medical waste in view of the large threat it poses to environment and health?

ANSWER

MINISTER FOR ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI BHUPENDER YADAV)

(a) to (d) A Statement is laid on the Table of the House.

Statement referred to in reply to parts (a) to (d) of Lok Sabha Starred Question No. 145 to be answered on Monday, the 31st July, 2023 on “Disposal of Medical Waste’ by DR. PRITAM GOPINATHRAO MUNDE and SHRI RAHUL RAMESH SHEWALE

- (a) The Central Pollution Control Board (CPCB) has reported that about 651 Tonnes per day (TPD) and 678 TPD of Biomedical waste (BMW) was generated in the country in the year 2020 and 2021 respectively, out of which 15.3TPD and 16.17TPD was generated in the state of Odisha in corresponding years. The State/ Union Territory wise BMW generation is placed at Annexure-A.
- (b) The CPCB had prepared guidelines for ‘Handling, Treatment & Disposal of BMW generated during Treatment/ Diagnosis/ Quarantine of COVID-19 patients’, which prescribes for collection, treatment and disposal of PPE kits, masks and other materials used by COVID patients and doctors. The PPEs viz. goggles, face-shield, splash proof apron, plastic coverall, Hazmet suit, nitrile gloves etc. are categorised into ‘Red Category’, and treated through Autoclave/ Microwave followed by shredding. The used mask (including Triple layer mask, N95 mask etc.), head cover/ cap, shoe-cover, disposable linen gown, non-plastic or semi-plastic coverall etc. were categorised into ‘Yellow category’, and treated and disposed through incineration. The CPCB has developed an app, namely COVID19BMW, to track the generation of COVID-19 BMW. CPCB has reported that around 77708.07 tonnes of COVID-19 BMW has been disposed through Common Bio-Medical Waste Treatment Facilities (CBWTFs) during May-2020 to May, 2023.
- (c)&(d) The Government is aware about the challenges posed by anti-microbial resistance (AMR) in India. Accordingly, the Ministry of Health and Family Welfare had formulated a National Action Plan (NAP) on Anti- Microbial Resistance (AMR), which provides a roadmap in tackling public health challenge related to AMR through involvement of stakeholders in AMR containment. The containment strategy involves strengthening the monitoring and surveillance of antibiotic residues; collaborations with institutes for research in AMR; awareness, education and sensitization about AMR aspects; optimising antibiotics usage in humans and animals; promoting investment in AMR activities; and, effective infection prevention and control.

ANNEXURE REFERRED TO IN PART (a) OF LOK SABHA STARRED QUESTION NO.145 DUE FOR REPLY ON 31/07/2023 REGARDING 'DISPOSAL OF MEDICAL WASTE' RAISED BY DR. PRITAM GOPINATHRAO MUNDE AND SHRI RAHUL RAMESH SHEWALE.

State/ UT wise Bio-medical Waste Generation in 2020 and 2021 (in Kg/Day)

S.No.	States/ Union Territory	Year 2020	Year 2021
1	Andaman Nicobar	536	543
2	Andhra Pradesh	25029	19720
3	Arunachal Pradesh	354	348
4	Assam	8236	8421
5	Bihar	27846	20549
6	Chandigarh	5729	5374
7	Chhattisgarh	7234	7907
8	Daman &Diu and Dadra & Nagar Haveli	450	554
9	Delhi	23200	25828
10	Goa	1273	1129
11	Gujarat	49492	52800
12	Haryana	19217	21436
13	Himachal Pradesh	3546	4130
14	Jharkhand	8407	7524
15	J & K	5942	7664
16	Karnataka	82604	77639
17	Kerala	40408	61136
18	Ladakh	43	35
19	Lakshadweep	1137	87
20	Madhya Pradesh	20009	19754
21	Maharashtra	82146	80314
22	Manipur	922	1166
23	Meghalaya	1557	1287
24	Mizoram	863	804
25	Nagaland	892	1007
26	Odisha	15304	16168
27	Puducherry	4360	4639
28	Punjab	16998	18490
29	Rajasthan	18912	19170
30	Sikkim	478	545
31	Tamil Nadu	35270	45216
32	Telengana	23810	24235
33	Tripura	3853	1940
34	Uttarakhand	7617	6891
35	Uttar Pradesh	64038	71264
36	West Bengal	43513	42287
	Total	651225	678001

*Kg/Day – Kilograms per day

(Source-Central Pollution Control Board)
