

GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

LOK SABHA
UNSTARRED QUESTION No. 5188
TO BE ANSWERED ON 03.04.2023

Medical Waste

5188. SHRI HANUMAN BENIWAL:
SHRI SANJAY SETH:

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

- (a) whether medical waste is increasing in the country;
- (b) if so, the details of the medical waste output in the country during the last two years, State-wise;
- (c) the details of the action proposed to be taken by the Government for the disposal of the said medical waste;
- (d) whether the Government has carried out any assessment of the pollution caused by PPE Kits, masks and other materials used for prevention of COVID-19 during Corona period, if so, the details thereof; and
- (e) the details of the action taken by the Government for proliferation of medical waste in view of the large threat it poses to environment?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI ASHWINI KUMAR CHOUBEY)

- (a) &(b) The Central Pollution Control Board (CPCB) has informed that the bio-medical waste generation (BMW) in the country has increased from 490 tonnes per day (TPD) in 2016 to 678 TPD in 2021. Further, the State/Union Territory (UT) -wise generation for the year 2020 and 2021 is annexed.
- (c) to(e) The Ministry of Environment, Forest and Climate Change has notified the BMW Management Rules, 2016 under Environment (Protection) Act, 1986 which stipulates provisions for scientific treatment and disposal of BMW in an environmentally sound manner. Further, CPCB has issued following guidelines to facilitate the stakeholders in effective implementation of the BMW Rules, 2016:
 - Guidelines for Monitoring Performance of Common BMW Treatment Facilities (CBWTFs) by State Pollution Control Boards/Pollution Control Committees (SPCBs/ PCCs)
 - Guidelines for Handling, treatment and disposal of waste generated during treatment, diagnostics and quarantine of COVID-19 patients
 - Guidelines for "Imposition of Environmental Compensation against Healthcare Facilities (HCF) and CBWTFs"
 - Guidelines for Verification of Two Seconds Residence Time in Secondary Combustion Chamber of the BMW Incinerator
 - Guidelines for Handling of BMW for Utilization

- Guidelines for Management of BMW in HCFs as per BMW Management Rules, 2016
- Guidelines for Bar Code System for Effective Management of BMW
- Revised Guidelines for CBWTFs
- Environmentally Sound Management of Mercury Waste Generated from HCFs

To address the pollution caused by PPE Kits, masks and other materials used for prevention of COVID-19 during Corona period, CPCB has prepared separate guidelines for Handling, treatment and disposal of waste generated during treatment, diagnostics and quarantine of COVID-19 Patients, which stipulates method for disposal of COVID-19 BMW in line with provisions of BMW Management Rules, 2016. The CPCB has also developed a mobile application, namely, COVID-19BWM to track COVID-19 BMW generation, which estimated COVID-19 BMW generation of approximately 27,354 Tonnes and 29,198 Tonnes, in the year 2020 and 2021 respectively.

ANNEXURE REFERRED TO IN PART (a)&(b) OF LOKSABHA UNSTARRED QUESTION NO. 5188 DUE FOR REPLY ON 03/04/2023 REGARDING 'MEDICAL WASTE' RAISED BY HON'BLE MEMBERS OF PARLIAMENT SHRI HANUMAN BENIWAL AND SHRI SANJAY SETH

State/ UT-wise BMW Generation

S.No.	States/ Union Territory	BMW Generation Year 2021 (Kg/day)	BMW Generation Year 2020 (Kg/day)
1	Andaman Nicobar	543	536
2	Andhra Pradesh	19720	25029
3	Arunachal Pradesh	348	354
4	Assam	8421	8236
5	Bihar	20549	27846
6	Chandigarh	5374	5729
7	Chhattisgarh	7907	7234
8	Daman-Diu and Dadra & Nagar Haveli	554	450
9	Delhi	25828	23200
10	Goa	1129	1273
11	Gujarat	52800	49492
12	Haryana	21436	19217
13	Himachal Pradesh	4130	3546
14	Jharkhand	7524	8407
15	Jammu and Kashmir	7664	5942
16	Karnataka	77639	82604
17	Kerala	61136	40408
18	Ladakh	35	43
19	Lakshadweep	87	1137
20	Madhya Pradesh	19754	20009
21	Maharashtra	80314	82146
22	Manipur	1166	922
23	Meghalaya	1287	1557
24	Mizoram	804	863
25	Nagaland	1007	892
26	Odisha	16168	15304
27	Puducherry	4639	4360
28	Punjab	18490	16998
29	Rajasthan	19170	18912
30	Sikkim	545	478
31	Tamil Nadu	45216	35270
32	Telangana	24235	23810
33	Tripura	1940	3853
34	Uttarakhand	6891	7617
35	Uttar Pradesh	71264	64038
36	West Bengal	42287	43513
	Total (Tonnes per day)	678	651

(Source:CPCB)
