



HEAD OFFICE
Uttarakhand Pollution Control Board
“Gaura Devi Paryavaran Bhawan”
46B, IT Park, Sahastradhara Road, Dehra Dun
E-mail : msukpcb@yahoo.com, Phone No.-0135-2607092

Letter No: UKPCB/HO//BMW-07 (Vol-3)/2023/ 631,

Date: 16.08.2023

To,

**The Member Secretary,
Central Pollution Control Board,
East Arjun Nagar, Delhi.**

Sub: - Annual Report under Bio-Medical Waste Management Rules, 2016-reg.

Dear sir,

Kindly take reference to the above-mentioned subject whereby it is stipulated that the Annual Report under Bio-Medical Waste Management Rules 2016 (as amended from time to time), is to be submitted to CPCB. Hence, accordingly the generation and disposal of Bio-Medical waste for calendar year 2022 is being submitted in the prescribed format (copy enclosed).

Encl. as above

Your's faithfully


(S.K. Pattnaik)
Member Secretary



Annual Report Under Bio-Medical Waste Management Rules 2016 for the year 2022

Rule 13(2)

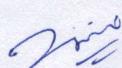
Form IV A

Part-I (Summary of Information)

(1)	Name of Organisation	Uttarakhand Pollution Control Board, 46-B, Sahastradhara Road, Dehradun
(2)	Name of the Nodal Officer with contact telephone number	Mr. Chandan Singh, Chief Environment officer 9412056733
(3)	Total no. of Health Care Facilities/Occupiers	6002
(i)	Bedded Hospitals and Nursing Homes (bedded)	1705
(ii)	Clinics, Dispensaries	2967
(iii)	Veterinary institutions	339
(iv)	Animal houses	0
(v)	Pathological laboratories	510
(vi)	Blood banks	8
(vii)	Clinical establishment	12
(viii)	Research Institutions	9
(ix)	AYUSH	440
(x)	Homeopathic	12
(4)	Total no. of beds	30706
(5)	Status of authorization	
(i)	Total number of Occupiers applied for authorization	4914
(ii)	Total number of Occupiers granted authorization	4707
(iii)	Total number of applications under consideration	206
(iv)	Total number of applications rejected	1
(v)	Total number of Occupiers in operation without applying for authorization	1058
(vi)	Closed HCF	30
(6)	Quantity of Bio-Medical Waste Generation (in Kg/day) (Please enclose District Wise Bio-Medical Waste Generation as per Part-2)	
(i)	Bio-medical waste generation by bedded hospitals (in kg/day)	5911.3985
(ii)	Bio-medical waste generation by non-bedded hospitals (in kg/day)	1201.9693
(iii)	Any other	-
	Total	7113.3678
(7)	Bio-medical waste treatment and disposal	
(a)	By Captive bio-medical waste treatment and disposal by Health Care Facilities (please enclose details as per Part-3)	
(i)	Number of Health Care Facilities having captive treatment and Disposal facilities	2690

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	(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in kg/day	1286.7754
(b)	Bio-medical waste treatment and disposal by Common Bio-Medical Waste Treatment Facilities (please enclose details as per part 4)		
	(i)	Number of Common Bio-Medical Waste Treatment Facilities in Operation	02
	(ii)	Number of Common Bio-Medical Waste Treatment Facilities under construction	2
	(iii)	Total Bio-Medical waste treated in kg/day	5814.8284
	(iv)	Total treated bio-medical waste disposed of through authorised recyclers (in kg/day)	2138.63
(8)	Total no. of violations by		
	(i)	Health Care Facilities (bedded and non-bedded)	423
	(ii)	Common Bio-Medical Waste Treatment Facilities	01
	(iii)	Others (please specify)	Not applied for renewal: 484
(9)	Show cause notices/directions issued to defaulters		
	(i)	Health Care Facilities (bedded and non-bedded)	47
	(ii)	Common Bio Medical Waste Treatment Facilities	0
	(iii)	Others	-
(10)	Any other relevant information		
	(i)	Number of workshops/training conducted during the year	57
	(ii)	Number of occupiers installed liquid waste treatment facility	174
	(iii)	Number of captive incinerators complying to the norms	02
	(iv)	Number of occupiers organized training	17
	(v)	Number of occupiers constituted Bio-medical Waste Management Committees	-
	(vi)	Number of occupiers submitted Annual Report for the previous calendar year	2831
	(vii)	Number of occupiers practicing pre-treatment of lab microbiology and Bio-technology waste:	23
	(viii)	Number of Common Bio-Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems	02



Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2021)

Regional Office- Dehradun					
S.No.	Name of the State/ Union Territory	Name of the District	Bio-medical Waste Generation (in Kg/day)	Existing Total bio-medical waste treatment capacity (both captive and CBMWTF) in kg/day	
1	Uttarakhand	Dehradun	3148.6135	Equipment Incinerator: 3064.0244 Kg/day (CBWTF)	Total 100 kg/hr (MPCC)
				Autoclave: 500 Ltr/Hr (MPCC) 25 Kg/Hr (Himalayan Hospital) 30 Kg/Hr -do- 30 Kg/Hr -do-	
				Deep Burial: 84.5891 Kg/Day (DB)	
				Any other: NIL	
2	Chamoli	149.4543		Equipment Incinerator: 29.98 kg/day	Total
				Autoclave: NIL	
				Deep Burial: 119.4743 Kg/Day (DB)	
				Any other: NIL	
3	Uttarkashi	121.632		Equipment Incinerator: 43.578 Kg/day	Total
				Autoclave: NIL	
				Deep Burial: 78.054 Kg/Day (DB)	
				Any other: NIL	
4	Tehri	116.687		Equipment Incinerator: 2.42 Kg/day (Incertr)	Total 10 Kg/Hr (THDC hos.)
					43.041 Kg/day CBWTF (MPCC)
				Autoclave: NIL	

				Deep Burial:	71.226 Kg/day (DB)
5	Rudraprayag	75.376	Equipment Incinerator: Autoclave: Deep Burial: Any other:	Total 17.20 Kg/day NIL 58.176 Kg/day (DB) NIL	NIL
6	Pauri	352.011	Equipment Incinerator: Autoclave: Deep Burial: Any other:	Total 25 Kg/Hr (Not working) (HNB hos.) 190.955 Kg/day (CBWTF) NIL 161.056 Kg/Day NIL	
Regional Office- Kashipur					
S.No.	Name of the State/ Union Territory	Name of the District	Bio-medical Waste Generation (in Kg/day)	Existing Total bio-medical waste treatment capacity (both captive and CBMWTF) in kg/day	
1	Uttarakhand	Udham Singh Nagar	541.16 Kg/Day	Equipment Incinerator: Shredder: Autoclave: Deep Burial: Any other:	Total 174.47 kg/day 133.75 kg/day 225.74 kg/day 7.21 kg/day -

Regional Office- Haldwani

S.No.	Name of the State/Union Territory	Name of the District	Bio-medical Waste Generation (in Kg/day)	Existing Total bio-medical waste treatment capacity (both captive and CBM WtF) in kg/day
1	Uttarakhand	Almora	178.75	Equipment Incinerator: 13 Autoclave: 2.2 Deep Burial: 163.55 Any other: -
		Nainital	554.80	Equipment Incinerator: 100 Kg/hr (STH-181.88+CBWTF-309.68) Autoclave: Deep Burial: 63.24 Any other: -
		Bageshwar	55.39	Equipment Incinerator: 0 Autoclave: 0.65 Deep Burial: 54.74 Any other: -
		Pithoragarh	168.19	Equipment Incinerator: 0 Autoclave: 9.79 Deep Burial: 158.4 Any other: -
		Champawat	67.61	Equipment Incinerator: 0 Autoclave: 0.8 Deep Burial: 66.81 Any other: -

Regional Office- Roorkee

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S.No.	Name of the State/Union Territory	Name of the District	Bio-medical Waste Generation (in Kg/day)	Existing Total bio-medical waste treatment capacity (both captive and CBMWTF)																
1	Uttarakhand	Haridwar	1442	<table> <tr> <td>Equipment</td> <td>Total</td> </tr> <tr> <td>Incinerator:</td> <td>100 Kg/hr</td> </tr> <tr> <td>Stand-by Incinerator:</td> <td>100 Kg/hr</td> </tr> <tr> <td>Autoclave:</td> <td>500 Litre/hr</td> </tr> <tr> <td>Shredder:</td> <td>100 Kg/hr</td> </tr> <tr> <td>Deep Burial:</td> <td>Nil</td> </tr> <tr> <td>ETP:</td> <td>10 KLD</td> </tr> <tr> <td>Any other: Chemical Treatment & Disinfectant</td> <td>600 Litre/hr</td> </tr> </table>	Equipment	Total	Incinerator:	100 Kg/hr	Stand-by Incinerator:	100 Kg/hr	Autoclave:	500 Litre/hr	Shredder:	100 Kg/hr	Deep Burial:	Nil	ETP:	10 KLD	Any other: Chemical Treatment & Disinfectant	600 Litre/hr
Equipment	Total																			
Incinerator:	100 Kg/hr																			
Stand-by Incinerator:	100 Kg/hr																			
Autoclave:	500 Litre/hr																			
Shredder:	100 Kg/hr																			
Deep Burial:	Nil																			
ETP:	10 KLD																			
Any other: Chemical Treatment & Disinfectant	600 Litre/hr																			

Part 3: Information on Health Care Facilities having captive treatment facilities (for the previous calendar year 2021)

Sl. No.	Name and Address of the Health Care Facility	Quantity of Bio-medical Waste Generation (in Kg/day)	Total Installed Treatment Capacity in Kg/day	Total bio-medical waste treated and disposed by Health Care Facilities in Kg/day								
				Yellow	Red	Blue	White	Total bio- medical waste generated (in Kg/day)	Incinerator	Autoclave	Deep Burial	Any other
1.	Sushila Tiwari	170.08	9.44	2.32	0.042	181.88	181.88	-	-	-	Incinerator Autoclave	504.56 13.44

Hospital, Rampur, Road, Haldwani							Deep Burial	506.74
							Any Other	-
							Total	1024.74

List is annexed.



Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar year 2021)

S. No	Name and Address of the Common Bio-Medical Waste Treatment Facilities With Contact Person name and telephone number	GPS Coordinates	Coverage Area in KMs	Name of the cities/areas covered by Common Bio-Medical Waste Treatment Facilities	Total number of Health Care Facilities being covered	Total number of beds covered	Total quantity of Bio-Medical Waste collected from member Health Care Facilities (in Kg/day)	Capacity of Treatment equipments installed by Common Bio-Medical Waste Treatment Facilities			Method of Disposal of treated waste (incineration Ash/ Sharps/ Plastics)
								Equipment	Numbers	Total installed capacity (kg/day)	
1	Global Environmental Solution, Kh-560, Lambakhera, P.O. Khanpur, Tehsil-Gadarpur, Udhamsingh Nagar	Lat. 23.32 Long. 77.40 350 E	75 Km in radius	Haldwani, Ramnagar Nainital, Kashipur, Jaspur, Bazpur, Gadarpur, Rudrapur, Kichha, Sitarganj, Khatima (U.S. Nagar)	600	5530 (Nainital+ U.S.Nagar +Almora)	996.43 kg/day	Incinerator Plasma Pyrolysis Autoclave	01 00 01	1600 (100 Kg/hr) 00 (450 kg/hr)	378.08 Secured Landfill

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S. No	Name and Address of the Common Bio-Medical Waste Treatment Facilities With Contact Person name and telephone number	Coverage Area in KMs	Name of the cities/areas covered by Common Bio-Medical Waste Treatment Facilities	Total number of Health Care Facilities being covered	Total number of beds covered	Total quantity of Bio-Medical Waste collected from member Health Care Facilities (in Kg/day)	Capacity of Treatment equipments installed by Common Bio-Medical Waste Treatment Facilities	Equipment Numbers	Total installed capacity (kg/day)	Total Bio-Medical waste treated in kg/day	Method of Disposal of treated waste (incineration Ash/ Sharps/ Plastics)
2	Medical Pollution Control Committee, Vill-Mandawar, NH-73, Dehradun, Roorkee Highway, Haridwar Dr. V.K. Verma, Mob: 9839111510	30.004 319, Radius 77.768 246	Dehradun, Pauri, Haridwar, Tehri, Chamoli, Uttarkashi, Rudraprayag	2111	7915	Non covid-3700-4500 kg/day Covid-50-120 kg/day	Incinerator	02	4000 Kg/Day	838.8 Kg/day	Incineration Ash: Disposed by M/s Bharat Oil and Waste Management Ltd, Mauja Mukimpur, Laksar Road, District-Haridwar

concrete pit					
Sharps encapsulation or concrete pit	2			5.47 Kg/day	
Deep burial pits	-	-	-		
Any other Chemical & disinfectant tank	4	12,000 Ltr/day	2.164 KLD	Final treated in 10 KLD capacity of ETP	
Effluent Treatment Plant	01	10 KLD	ETP Sludge disposed 5.125 KLD disposed of in the year 2022	ETP Sludge disposed by: M/s Bharat Oil and Waste Management Ltd. Maijia Mukimpur, Laksar Road, District-Haridwar	
Sub-total	11			2981.17 kg/day + 7.289 KLD	
		Grand Total	15	3977.6 Kg/day + 7.689 KLD	

- (a) Total Number of transportation vehicles used for collection of Bio-Medical Waste on a daily basis by the Common Bio-Medical Waste Treatment Facilities: 7 (Global Environmental Solution) + 22 (MPCC) = **29**
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: **00**
- (c) Number of training organized by the Common Bio-Medical Waste Treatment Facility operators: 02 (Global Environmental Solution) +57 (MPCC) = **59**
- (d) Number of Accidents reported by the Common Bio-Medical Waste Treatment Facilities: **00**