

HEAD OFFICE

**UTTARAKHAND POLLUTION
CONTROL BOARD**
40B, IT Park, Sahastradhara Road,
Dehradun (Uttarakhand)



उत्तराखण्ड प्रदूषण नियंत्रण बोर्ड
46बी, आईटी0 पार्क, सहस्रधारा रोड,
देहरादून (उत्तराखण्ड)

E-mail: msukpcb@yahoo.com; Web: www.ueppcb.uk.gov.in

UEPPCB/HO/ BMW-07(2)/1969-393,

Date: 23/07/2021

To,

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

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

Sir,

With reference to the above-mentioned subject please find enclosed Annual Report under Bio-Medical Waste Management Rules 2016, as stipulated under Rule 13 (2) of the said rules for the year 2020.

This is for your perusal and further necessary action please.

Encl. as above

Your's faithfully


(S.P. Subudhi) I.F.S.
Member Secretary



Annual Report Under Bio Medical Waste Management Rules 2016 for the year 2020

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		4442
	(i)	Bedded Hospitals and Nursing Homes (bedded)	1368
	(ii)	Clinics, Dispensaries	1990
	(iii)	Veterinary institutions	160
	(iv)	Animal houses	0
	(v)	Pathological laboratories	362
	(vi)	Blood banks	7
	(vii)	Clinical establishment	2
	(viii)	Research Institutions	23
	(ix)	AYUSH	530
(4)	Total no. of beds		24908
(5)	Status of authorisation		
	(i)	Total number of Occupiers applied for authorisation	3921
	(ii)	Total number of Occupiers granted authorisation	3438
	(iii)	Total number of application under consideration	482
	(iv)	Total number of applications rejected	1
	(v)	Total number of Occupiers in operation without applying for authorisation	521
(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)	3829.35
	(ii)	Bio-medical waste generation by non-bedded hospitals (in kg/day)	803.18
	(iii)	Any other	2751.41 (Covid waste kg/day)
	Total		7383.94
(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	2377
	(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in	1036.62

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	kg/day	
(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	Nil
(iii)	Total Bio-Medical waste treated in kg/day	6579.958
(iv)	Total treated bio-medical waste disposed through authorised recyclers (in kg/day)	4379.5
(8)	Total no. of violation by	
(i)	Health Care Facilities (bedded and non-bedded)	96
(ii)	Common Bio-Medical Waste Treatment Facilities	0
(iii)	Others (please specify)	3 (complaint registered under court)
(9)	Show cause notices/directions issued to defaulters	
(i)	Health Care Facilities (bedded and non-bedded)	6
(ii)	Common Bio Medical Waste Treatment Facilities	0
(iii)	Others	-
(10)	Any other relevant information	
(i)	Number of workshops/trainings conducted during the year	1
(ii)	Number of occupiers installed liquid waste treatment facility	84
(iii)	Number of captive incinerators complying to the norms	02
(iv)	Number of occupiers organised trainings	16
(v)	Number of occupiers constituted Bio-medical Waste Management Committees	-
(vi)	Number of occupiers submitted Annual Report for the previous calendar year	1012
(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste:	02
(viii)	Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems	02

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Part 2: District-wise Bio-medical Waste Generation (for the previous calendar year 2020)

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	2420.07	Equipment Total
				Incinerator: 100 kg/hr (MPCC) 2373.52 Kg/day (CBWTF)
				Autoclave: 500 Ltr/Hr (MPCC) 25 Kg/Hr (Himalayan Hospital) 30 Kg/Hr -do- 30 Kg/Hr -do-
				Deep Burial: 47.55 Kg/Day (DB)
				Any other: NIL
2		Chamoli	95.59	Equipment Total
				Incinerator: 16.10 kg/day
				Autoclave: NIL
				Deep Burial: 79.49 Kg/Day (DB)
				Any other: NIL
3		Uttarkashi	71.88	Equipment Total
				Incinerator: 14.32 Kg/day (CBWTF)
				Autoclave: NIL
				Deep Burial: 57.56 Kg/Day (DB)
				Any other: NIL
4		Tehri	110.74	Equipment Total
				Incinerator: 10 Kg/Hr (THDC hos.) 35.25 Kg/day (CBWTF)
				Autoclave: NIL
				Deep Burial: 75.49 Kg/day (DB)
				Any other: NIL
5		Rudraprayag	51.16	Equipment Total
				Incinerator: 15.5 Kg/day
				Autoclave: NIL
				Deep Burial: 35.66 Kg/day (DB)
				Any other: NIL

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6		Pauri	246.63	Equipment Incinerator: Autoclave: Deep Burial: Any other:	Total 25 Kg/Hr (Not working) (HNB hos.) 124.83 Kg/day (CBWTF) NIL 121.80 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	608.16 (with covid waste)	Equipment Incinerator: Shredder: Autoclave: Deep Burial: Any other:	Total 1600 kg/day 7200 kg/day 10800 kg/day 0.739 kg/day -

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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 CBMWTF) in kg/day
1	Uttarakhand	Almora	140.43	Equipment Total Incinerator: 68.5 Autoclave: 0 Deep Burial: 71.93 Any other: -
2		Nainital	627.12	Equipment Total Incinerator: 100 Kg/hr (STH-241.3+CBWTF-328.7) Autoclave: 0 Deep Burial: 57.12 Any other: -
3		Bageshwar	47.7	Equipment Total Incinerator: 0 Autoclave: 0.65 Deep Burial: 47.05 Any other: -
4		Pithoragarh	154.72	Equipment Total Incinerator: 0 Autoclave: 10.87 Deep Burial: 143.85 Any other: -
5		Champawat	66.65	Equipment Total Incinerator: 0 Autoclave: 0.9 Deep Burial: 65.75 Any other: -
6	Haridwar	(Garhwal Region)	5190.16 (with covid waste)	Equipment Total Incinerator: 100 Kg/Hr Stand by Incinerator: 100 Kg/Hr Autoclave: 500 lt/hr Shredder: 100 kg/hr Deep Burial: -

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				ETP:	10 KLD
				Any other: Chemical Treatment & disinfectant	600 lt/hr

Part 3: Information on Health Care Facilities having captive treatment facilities (for the previous calendar year 2020)

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 Hospital, Rampur, Road, haldwani	222.94	12.25	5.62	0.49	241.3	241.3	0	0	0	Incinerator	638.5
											Autoclave	12.42
											Deep Burial	385.7
											Any Other	-
											Total	1036.62

List is annexed.

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Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities (for the previous calendar year 2020)

Sl. 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			Total Bio-Medical waste treated in kg/day	Method of Disposal of treated waste (incineration Ash/ Sharps/ Plastics)
								Equipment	Numbers	Total installed capacity (kg/day)		
1	Global Environmental Solution, Kh-560, Lambakhara, P.O. Khanpur, Tehsil-Gadarpur, Udham Singh Nagar Contact Person: Mr. V.D. Singh Mob: 9927025877	Lat. 23.32 660 N Long. 77.40 350E	75 Km in radius	Haldwani, Ramnagar Nainital, Kashipur, Jaspur Bazpur, Gadarpur, Rudrapur, Kichha, Sitarganj, Khatima (U.S. Nagar)	787	4980 (Nainital+U.S.Nagar +Almora)	1079.87 kg/day (with covid waste)	Incinerator	01	1600	531.87 Kg/Day	Incineration Ash: Secured Landfill
								Plasma Pyrolysis	00	00	-	--
								Autoclave	01	10800 (450 kg/hr)	156.98 kg/day	Sharps, disposed by iron foundaries
								Hydroclave	00	00	-	
								Microwave	00	00	-	
								Shredder encapsulation on concrete pit	01	7200 (300kg/hr)	390.668 Kg/Day	Plastics; Recyclable Quantity disposed by Recyclable
								Sharps encapsulation on concrete pit	-	-	-	-
								Deep burial pits	-	-	-	--
								Any other equipment	-	-	-	
								Effluent Treatment Plant	01	10 KLD	0.5 KLD	ETP Sludge: Quantity:
	Sub-total	4		1079.51 Kg/Day + 0.5 KLD (USN+ Nainital +Almora))								

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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 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	Total Bio-Medical waste treated in kg/day	Method of Disposal of treated waste (incineration Ash/ Sharps/ Plastics)		
								Equipment	Number	Total installed capacity (kg/day)		
2	Medical Pollution Control Committee, Vill-Mandawar, NH-73, Dehradun, Roorkee Highway, Haridwar Dr. V.K. Verma, Mob: 9839111510	-	150 Kms Radius	Dehradun, Pauri, Haridwar, Garhwal, Tehri, Chamoli, Uttarkashi, Rudrapur	1863	7640	Non covid-2525.2 kg/day covid-2664.96 kg/day	Incinerator	02	4000Kg/day	1507 Kg/Day	Incineration Ash: Disposed by M/s Bharat Oil and Waste Management
								Plasma Pyrolysis Autoclave	-	-	-	Sharps: Disposed by: M/s Suraj Plastic Company, Roorkee
								Hydroclave	-	-	931.5 Kg/Day	Disposed by: M/s Suraj Plastic Company, Roorkee
								Microwave Shredder	-	-	657.5 Kg/Day	Disposed by: M/s Suraj Plastic Company, Roorkee
								Sharps encapsulation or concrete pit	2	2000 kg/day	6.84 kg	
								Deep burial pits	-	-	-	
								Any other Chemical & disinfectant tank	4	12,000 ltr/day	2137 ltr/day	
								Effluent Treatment Plant	01	10 KLD	10 KLD max. ETP Sludge-5400 kg disposed in the year 2020	M/s Bharat Oil and Waste Management

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