



# JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004  
Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref. No: PC/BMW/13/2024/B-1984

Ranchi, Dated. 06/09/2024

From,

Kamlakant Pathak,  
Officer on Special Duty.

To,

Shri. V.P. Yadav,  
Director & Head,  
Waste Management Division-I,  
Central Pollution Control Board,  
Parivesh Bhawan, East Arjun Nagar,  
Delhi-110032.

**Sub: Regarding submission of Annual Report of Bio-Medical Waste for year 2023 under Bio-Medical Waste Management Rules, 2016.**

Sir,

With reference to above, please find enclosed herewith Annual Report of Bio-Medical waste for year 2023 for your kind perusal.

This issues with the approval of the competent authority.

Thanking You.

Yours Sincerely,

*Kamlakant Pathak*  
06/09/2024

(Kamlakant Pathak)  
Officer on Special Duty.

(M)

**“Form IVA”**

**Format for Submission of the Annual Report Information on Bio-medical Waste Management  
By the SPCBs/PCCs to CPCB for the period January, 2023 to December, 2023**

(1) Name of the State Pollution Control Board / Pollution Control Committee:- Jharkhand State Pollution Control Board, Ranchi

(2) Name of the Nodal Officer with contact telephone no. & e-mail:- Kumar Manibhushan ,E.E ., JSPCB, Tel 6200688658, E-mail- ranchijspcb@gmail.com

(i) Total no. of Health Care Facilities / Occupiers	:- 2451
(ii) Bedded Hospitals and Nursing Homes (bedded)	:-1355
(iii) Clinics, dispensaries	:-730
(iv) Veterinary institutions	:-4
(v) Animal houses	:-0
(vi) Pathological laboratories	:-354
(vii) Blood banks	:-6
(viii) Clinical establishment	:-Nil
(ix) Research Institutions	:-Nil
(x) AYUSH	:-Nil
(3) Total no. of beds	:-36268
(4) Status of authorisation:-	
(i) Total no. of Occupiers applied for authorisation	:-778
(ii) Total no. of Occupiers granted authorisation	:-222
(iii) Total no. of application under consideration	:-431
(iv) Total no. of application rejected	:-125
(v) Total no. of Occupiers in operation without applying for authorisation	:-480
(5) Quantity of Bio-medical Waste Generation (in kg/day)	:-133472.708
(i) Bio-medical waste generation by bedded hospitals(in kg/day)	:-6086.168
(ii) Bio-medical waste generation by non-bedded hospitals (in kg/day)	:-527.780
(iii) Any other	:-27.2781
Total	:- 133472.708
(6) Bio-medical waste treatment & disposal	
(a) By Captive bio-medical waste treatment & disposal by by Health Care Facilities	
(i) Number of Health Care Facilities having captive treatment and Disposal facilities	:-2
(ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day	:-341.4648
(b) Bio-medical waste treatment and disposal by Common Bio Medical Waste Treatment Facilities	
(i) Number of Common Bio Medical Waste Treatment Facilities in Operation	:-5
(ii) Number of Common Bio Medical Waste Treatment Facility under construction	:-1
(iii) Total bio-medical waste treated in kg/day	:-6491.237
(iv) Total treated bio-medical waste disposed through authorised recyclers (in Kg/day)	:-4384.097
(7) Total no. of violation by	
(i) Health Care Facilities (bedded and non-bedded)	:361
(ii) Common Bio Medical Waste Treatment Facilities	:Nil
(iii) Other (Please specify)	:
(8) Show cause notices/directions issued to defaulters	
(i) Health Care Facilities (bedded and non-bedded)	:361
(ii) Common Bio Medical Waste Treatment Facilities	:Nil

:- Nil

- (iii) Others
- (9) Any other relevant information :
- (i) Number of workshops/trainings conducted during the year :- 234
- (ii) Number occupiers installed liquid waste treatment facility :-195
- (iii) Number captive incinerators complying to the norms :-2
- (iv) Number of occupiers organised trainings :-150
- (v) Number of occupiers constituted Bio-medical Waste Management Committees :-9
- (vi) Numbers of occupiers submitted Annual Reports for the previous calendar year :-443
- (vii) Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste: -
- (viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems. : 04

**Part2 : District-wise Bio-medical Waste Generation (For the previous calendar year 2023)**

S.No.	Name of the State / Union Territory	Name of the District	No of known HCFs	Bio-medical Waste Generation (in Kg/day)	Existing Total Bio-medical waste treatment capacity (both captive and CBMWTF) in kg/day	
					Equipment	Total
1	Jharkhand	Dumka	50	115	Incinerator:	200 Kg/hr
					Autoclave:	600 ltr/batch
					Deep Burial :	24
					Any other:	07
					Incinerator:	200 Kg/hr
2	Jharkhand	Deoghar	287	80	Autoclave:	600 ltr/batch
					Deep Burial :	24
					Any other:	07
					Incinerator:	200 Kg/hr
					Autoclave:	600 ltr/batch
3	Jharkhand	Jamtara	14	26	Deep Burial :	24
					Any other:	07
					Incinerator:	200 Kg/hr
					Autoclave:	600 ltr/batch
					Deep Burial :	24
4	Jharkhand	Sahebganj	85	32	Any other:	07
					Incinerator:	200 Kg/hr
					Autoclave:	600 ltr/batch
					Deep Burial :	24
					Any other:	07
5	Jharkhand	Pakur	18	77	Incinerator:	200 Kg/hr
					Autoclave:	600 ltr/batch
					Deep Burial :	24
					Any other:	07
					Incinerator:	200 Kg/hr
6	Jharkhand	Godda	79	62	Autoclave:	600 Ltr/batch
					Deep Burial :	24
					Any other:	07
					Incinerator:	200 Kg/hr
					Autoclave:	600 Ltr/batch

7	Jharkhand	Dhanbad		185.7174	Incinerator:	50Kg/hr (Captive) 600 Kg/d (CBWTF)
					Autoclave:	800 ltr
					Deep Burial :	
					Any other:	
8	Jharkhand	Bokaro		459.3010	Incinerator:	50Kg/hr
					Autoclave:	339 Lit
					Deep Burial :	
					Any other:	
9	Jharkhand	East Singhbhu m		822.42	Incinerator	4600
10	Jharkhand	Saraikela Kharsawa n		118.40	Autoclave	500 Ltr/hr
					Deep burial	
					Any other	
11	Jharkhand	West Singhbhu m		67.29	Shredder	1900 Kg/hr
12	Jharkhand	Hazariba gh		325 Kg/day	Incinerator	
					Autoclave	
					Deep burial	
13	Jharkhand	Koderma		89 Kg/day	Incinerator	
					Autoclave	
					Deep burial	
14	Jharkhand	Ramgarh		90 Kg/day	Incinerator	600 Kg/day
					Autoclave	800 Ltr
					Deep burial	
15	Jharkhand	Chatra		76 Kg/day	Incinerator	
					Autoclave	
					Deep burial	
16	Jharkhand	Giridih		174 Kg/day	Incinerator	
					Autoclave	
					Deep burial	
17	Jharkhand	Ranchi, Gumla, Lohardaga Latehar, Garwa, Palamau, Simdega		128250.58 Kg/day	Incinerator	
					Autoclave	
					Deep burial	
18	Jharkhand	Khunti		2415 Kg/day	Incinerator	
					Autoclave	

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

S.No.	Name and address of the Health Care Facility	Quantity of Bio-medical Waste Generation (in kg/day)					Total Installed 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	M/s. Central Hospital, Jagjivan Nagar, Dhanbad	15.3568	12.4932	0.7973	0.1737	28.8210	50 Kg/hr	2 no. 432 Ltr	4 Pit		Incinerator	282.7267
2	M/s Bokaro General Hospital	267.37	27.99	16.99	0.32	312.6438	50 Kg/hr	339 Lit	1 M <sup>3</sup>		Autoclave	58.241
											Deep Burial	0.4970
											Any other	
											Total	341.4647

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

S.No.	Name & 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 no. of Health Care Facilities being covered	Total no. 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 wastes (Incineration Ash/Sharps/Plastics)
								Equipment	Nos.	Total installed capacity (kg/day)		
1	M/s. Bio-Genetic Lab (P) Ltd. At-Chhota Pichhri, Govindpur, Dhanbad	150 KM	1. Dhanbad 2. Bokaro	Total no. of Health Care Facilities - 338				Incinerator	1	600 kg	375.61 kg	Incineration Ash: Quantity: 68.95 kg Disposed by: Deep burial/Adityapur waste Management
								Plasma Pyrolysis				Sharps: Quantity: Disposed by:
								Autoclave	01	800 kg		Plastics:
								Hydroclave				
								Microwave				

									Quantity: Disposed by:
				Shredder	01	800 kg			
				Sharps encapsulation or concrete pit					
				Deep burial pits					ETP Sludge:
				Any other equipment					Quantity:22.90 kg
				Effluent Treatment Plant	1	2 KLD	300 kg		Disposed by: Adityapur waste management.
				Sub-total					

M/s Bio-Genetic Lab (P) Ltd. Mr Hesla, Ramgarh	<b>150KM</b> <b>East Singhbhum &amp; Saraikela Kharsawan, Hazaribagh, Ramgarh, Chatra, Ranchi, Khunti</b> <b>Total nos: 521</b> <b>Total nos. Beds covered: 3316</b>  Lat - 22°649555 Lon- 85°472625	<b>1363.7</b> <b>8</b> <b>Kg/day</b>	Incinerator	2	600 kg/day	75.4 Kg/day	Incineration Ash: Quantity:16.875 kg/day	
			Plasma Pyrolysis				Disposed by: Deep burial	
			Autoclave	2	800 kg/day	377 kg/day	Sharps:17.042 kg/day	
			Hydroclave				Quantity: Disposed by: Sold to recyclers	
			Microwave				Plastics: Quantity:	
			Shredder	01	800 kg/day	301.6 kg/day	Plastics : Quantity: 1560 Kg/day Disposed by	
			Effluent Treatment Plant	1			ETP Sludge: Quantity:260 kg Disposed by: Adityapur waste management.	
Adityapur waste management Saraikela Kharsawan	<b>150 KM</b> <b>East Singhbhum Saraikela Kharsawan &amp; West Singhbhum (Kolhan region)</b> <b>Total nos. 267</b> <b>Total nos. Beds covered 5970</b>  Lat - 22°7626680 Lon- 85°9603830	<b>701.34</b>	Shredder	02	1900 Kg/hr		Plastics : Quantity: 347.16 Kg/day Disposed by:	
			Sharps encapsulation or concrete pit			17.042		
			Deep burial pits					ETP Sludge: Quantity: Disposed by:
			Any other equipment					
			Effluent Treatment Plant			M/s AW/MPL sends effluent to CETP		
M/S Medicare environmental management Pvt Ltd.	<b>150 KM</b> <b>Ranchi, Khunti, Lohardaga, Palamau, Garhwa, Simdega, Latehar, Gumla</b>  <b>HCFs-417</b>  Lat - 23°411256 Lon- 84°675849	<b>3426.117</b> <b>kg/day</b>	Incinerator	01	3200		Incineration Ash: Quantity: 76000 kg Disposedby:	
			Autoclave	01	1275 lit			
			Shredder	01	2400		(plastic, glassetc.): Quantity: 41818 Kg Shredder Disposed by: Lakhotia Plastic	
			Effluent Treatment Plant	01	50 KLD		ETP Sludge: Quantity:23000 Kg Disposedby: Adityapur	

M/S Greenland waste management enterprises.	150 KM Deoghar, Dumka, Jamtara, Godda, Pakur, Sahebganj  HCFs-533 Total nos. Of bed covered by CBWTF-3504  Lat - 24°29'22.69" N Lon- 87°36'57.31" E					waste management Pvt.Ltd.
		Deep burial pit				
		Incinerator	01 with two chamber	200 Kg/hr	400 Kg	Incineration Ash: Quantity: Disposed by: Given to vendor
		Autoclave	01	600 lit	250 lit	
		Shredder	02	30 Kg/day	27 Kg	(plastic, glassetc.): Quantity: Shredder Disposed by:
		Effluent Treatment Plant	01	10 KLD	5 KLD	ETP Sludge: Quantity:400 lit/day Disposed by:
		Sharps encapsulation or concrete pit	03	17 kg	10	

- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities :23
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities : 361
- (c) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators : 96
- (d) Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities : N/A