



Tel : 0674-2564033
FAX : 0674-2564033/2564573
EPABX : 2561909/2562847
E-mail: paribesh1@ospcboard.org
Website: www.ospcboard.org

STATE POLLUTION CONTROL BOARD, ODISHA

[DEPARTMENT OF FOREST & ENVIRONMENT, GOVERNMENT OF ODISHA]
Paribesh Bhawan, A/118, Nilakantha Nagar, Unit – VIII
Bhubaneswar – 751 012, INDIA

No. 11578 / IND-IV-BW-358

Date: 24.07.2023

BY SPEED POST /E-MAIL

To

Mr. V. P. Yadav,
Director & Head,
Waste Management Division-I,
Central Pollution Control Board,
(Ministry of Environment Forest & Climate, Govt. of India)
'Paribesh Bhawan' East Arjun Nagar, Delhi- 110 032

Sub: Submission of Annual Report on Biomedical Waste Management for the year 2022-Reg.

Ref: Your letter No. F. No.-B-31011/BMW (13159)/2023/WMD-I/766 dated 27.04.2023

Sir,

In inviting reference to the above, please find enclosed herewith the Annual Report of the state for the Calendar Year – 2022 in the prescribed format for information and necessary action.

Encl: As above

Yours faithfully,


Member Secretary



“Form IVA
[See rule 13(2)]

**Annual Report Information on Bio-medical Waste Management by the Odisha,
State Pollution Control to CPCB for the period January, 2022 to December 2022**

Part-1 (Summary of information)

(1)	Name of the Organisation	:	State Pollution Control Board, Odisha
(2)	Name of the Nodal Officer with contact telephone number and e-mail	:	Sri R. N. Prusty, Chief Env. Engineer, Tel. No. 0674-2653806 E-mail: rnprusty29@gmail.com
(3)	Total no. of Health Care Facilities / Occupiers	:	4007
(i)	Bedded Hospitals and Nursing Homes (bedded)	:	1638
(ii)	Clinics, dispensaries	:	2316
(iii)	Veterinary institutions	:	72
(iv)	Animal houses	:	Nil
(v)	Pathological laboratories	:	42
(vi)	Blood banks	:	01
(vii)	Clinical establishment	:	---
(viii)	Research Institutions	:	02
(ix)	AYUSH	:	08
(4)	Total no. of beds	:	52140
(5)	Status of authorisation		
(i)	Total number of Occupiers applied for authorisation	:	1088
(ii)	Total number of Occupiers granted authorisation	:	735
(iii)	Total number of application under consideration	:	107
(iv)	Total number of applications rejected	:	Nil
(v)	Total number of Occupiers in operation without applying for authorisation	:	34
(6)	Quantity of Bio-medical Waste Generation (in kg/day)		
(i)	Bio-medical waste generation by bedded hospitals(in kg/day)	:	16206.211 kg/day
(ii)	Bio-medical waste generation by non-bedded hospitals (in kg/day)	:	471.431 kg/day
(iii)	Any other :		
	Total	:	16, 677.642 Kg/day
(7)	Bio-medical waste treatment and disposal		
(a)	By Captive bio-medical waste treatment and disposal by Health Care Facilities		
(i)	Number of Health Care Facilities having captive treatment and Disposal facilities	:	2732

(ii)	Total bio-medical waste treated and disposed by captive treatment facilities in kg/day	:	10, 732.562 kg/day
(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	:	06
(ii)	Number of Common Bio Medical Waste Treatment Facilities under construction	:	Nil
(iii)	Total bio-medical waste treated in kg/day	:	5945.08 kg/day
(iv)	Total treated bio-medical waste disposed through authorised recyclers (in Kg/day)	:	---
(8)	Total no. of violation by		
(i)	Health Care Facilities	:	Bedded-84 Non-bedded- 16
(ii)	Common Bio Medical Waste Treatment Facilities	:	Nil
(iii)	Others (please specify)		
(9)	Show cause notices/directions issued to defaulters: Nil		
(i)	Health Care Facilities		
	Show cause notices/directions issued	:	Bedded-84 Non-bedded-16
(ii)	Common Bio Medical Waste Treatment Facilities	:	Nil
(iii)	Others	:	Nil
(10)	Any other relevant information		
(i)	Number of workshops / trainings conducted during the year	:	Nil
(ii)	Number of occupiers installed liquid waste treatment facility	:	88
(iii)	Number of captive incinerators complying to the norms	:	Nil
(iv)	Number of occupiers organised trainings	:	Nil
(v)	Number of occupiers constituted Bio-medical Waste Management Committees	:	65
(vi)	Number of occupiers submitted Annual Report for the previous calendar year	:	1533
(vii)	Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste	:	1638
(viii)	Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems	:	06

Part 4: Information on Common Bio-Medical Waste Treatment and Disposal Facilities

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 BMW collected from member HCFs (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	Numbers	Total installed capacity (kg/day)			
1.	Ms. Sani Clean Pvt. Limited , Tangiapada, Khurda, Mr. Mahesh Agrawal Phone: (0674) 2556379 / 2553844(06755) 221869 Mobile: 9437077889	20.2076556, 85.608336	150	Nayagarh, Jajpur, Dhamra, Choudwar, Cuttack, Bhubaneswar ,Paradeep, Jatni and Khurda	711	14127	3632	Incinerator	02	100 kg/hr.	3632	Incinerator Ash Quantity:-: 22561 kg/A Disposed off in incineration ash pits.	
								Plasma Pyrolysis	Nil	Nil			Sharps- Disposed off in sharp pit. Quantity: 20722 kg/A Plastics: Other plastic wastes are sold after shredding Quantity: 336889 Kg/A Sold to authorized recycler 20722Kg/A
								Autoclave	03	400 kg/hr			
								Hydroclave	Nil	Nil			
								Microwave	Nil	Nil			
								Shredder	02	1600 kg/d			
								Sharps encapsulation or concrete pit	03	85 Cubic Ft/Pit			
								Deep burial pit	-----	----			
								Any other treatment equipment	-----	-----			
								Effluent Treatment Plant	01	100 KL/D			

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 BMW collected from member HCFs (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	Numbers	Total installed capacity (kg/day)		
2.	SCB Medical College and Hospital, Cuttack (Operated by M/s. MediAid Marketing Services) Mr. Bipin Sarangi Plot no. N-3/445, IRC Village, Nayapalli, Bhubaneswar- 751 015, Mob: 09238399160	20.391508N, 86.126989E	30	Cuttack SCB MCH, SCB Dental, SVPPGIP, AHRCC, City Hospital and LHH	98	3693	632	Incinerator	1*	70.0 kg/hr.	632	Incineration Ash: 1412.02 kg/A Quantity: Disposed by: Ash pit Sharps Quantity: 9910.75 kg/A Disposed by: sharp pit Plastics Quantity: 68872 kg/A Disposed by- shredded & micro waved ETP Sludge: Quantity: 60 kg/A Disposed by: Ash Pit
								Plasma Pyrolysis	Nil	Nil		
								Autoclave	Nil	Nil		
								Hydro Clave	Nil	Nil		
								Microwave	03*	220 kg/hr		
								Shredder	1*	100.0 kg/hr.		
								Sharps encapsulation or concrete pit	4	3' x 4.5'		
								Deep burial pits	5	2.5' x 5'		
								Any other equipment				
Effluent Treatment Plant	1	15 KLD										

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 BMW collected from member HCFs (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	Numbers	Total installed capacity (kg/day)			
3.	M/s. Mediaid Marketing Services, At: Plot No. 521 and 567, Amasranga, PO: Bhasma, Dist: Sundargarh Mob: 09238399160	22° 153N, 84°946E	150	Rourkela, Sambalpur, Sundargarh, Jharsuguda, & Baragarh	207	4157	890.88	Incinerator	1**	350 kg/hr.	890.88	Incineration Ash Quantity: 2954.6 kg/A Disposed by: Ash pit	
								Plasma Pyrolysis	Nil	Nil			Sharps Quantity: 40564.82 kg/A Disposed by: sharp pit
								Autoclave	1**	100 kg/hr			
								Hydro clave	Nil	Nil		Plastics Quantity: 65745.01 kg/A Disposed by: shredded	
								Microwave	Nil	Nil			
								Shredder	1**	100 kg/hr			
								Sharps encapsulation or concrete pit	1	3' x 4.5'			
								Deep burial pits	---	---		ETP Sludge: Quantity: 92 kg/A Disposed by: Ash pit.	
								Any other equipment	---	---			
								Effluent Treatment Plant	1	10 KLD			

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 BMW collected from member HCFs (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	Numbers	Total installed capacity (kg/day)		
4.	VSS Medical College and Hospital, Burla, Sambalpur (Operated by M/s. Bio-Tech Solution, Berhampur) Sri Rajendra Kumar Sahu Jyoti Nagar, 2 nd Lane Extn. Berhampur-1, Dist: Ganjam, Phone no.9861716876/ 9437260528	21° 30' 00" North, 83° 52' 00" South	150	Burla, Sambalpur, Bolangir & Bargarh	43	2612	417.8	Incinerator	01***	70 kg/hr	417.8	Incinerator Ash: 4863.3 kg/A Disposed off in incineration ash pits. Sharps-Disposed off in sharp pit. Quantity: 4519.537 kg/A Disposed by— Plastics: Other plastic wastes are sold after shredding Quantity: 43934.427 kg/A Disposed by— Ash Pit ETP Sludge: 1031.0 kg/A Land filling.
								Plasma Pyrolysis	Nil	Nil		
								Autoclave	01***	600 L/cycle		
								Hydroclave	Nil	Nil		
								Microwave	02***	60 L/cycle		
								Shredder	04***	100 kg/hr. each		
								Sharps encapsulation or concrete pit	02	2 X 2 meter		
								Deep burial pits	7	2 X 2 meter		
								Any other equipment				
Effluent Treatment Plant	1	10 KLD										

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 BMW collected from member HCFs (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	Numbers	Total installed capacity (kg/day)		
5.	MKCG Medical College and Hospital, Berhampur, Dist: Ganjam (Operated by M/s. Life Line Pharma) Banita Panda, At: Jaya Prakash, Berhampur, Ganjam	----	-----	MKCG MCH, Berhampur & City Hospital, Behampur	2	1156	137.4	Incinerator	1****	200 kg/hr.	137.4	Incineration Ash Quantity: 20 kg/d Disposed by: Ash pit Sharps Quantity: ---- kg/day Disposed by: sharp pit Plastics Quantity: 4450 kg/day Disposed by- shredded & microwave ETP Sludge: 15 KLD Quantity: Disposed by:
								Plasma Pyrolysis	---	----		
								Autoclave	Nil	Nil		
								Hydroclave	Nil	Nil		
								Microwave	3****	60 L/cycle		
								Shredder	4****	100 kg/hr		
								Sharps encapsulation or concrete pit	03	3'x4.5'		
								Deep burial pits	---	---		
								Any other equipment				
Effluent Treatment Plant	1	40 KLD										

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 BMW collected from member HCFs (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	Numbers	Total installed capacity (kg/day)				
6.	M/s. Mediaid Marketing Services, At: village-Arakhapada, Tehsil-Seragada, Dist: Ganjam. Mob: 09238399160	19°31'34 N 84°33'14.2' E	50	Gajapati, Ganjam, Berhmapur Town	214	2030	235	Incinerator	01***	350 kg/hr	235	Incinerator Ash: 31719.74 kg/A Disposed off in incineration ash pits.		
								Plasma Pyrolysis	---	----			Sharps Quantity: 3100.06kg/day Disposed by: sharp pit	
								Autoclave	01***	100 kg/hr				
								Hydroclave	Nil	Nil				Plastics Quantity: 29172.17 kg/day Disposed by-shredded
								Microwave	Nil	Nil				
								Shredder	1****	100 kg/hr.				
								Sharps encapsulation or concrete pit	02	----				
								Deep burial pits	Nil	Nil				
								Any other equipment						
Effluent Treatment Plant	1	10 KLD												

(a)	Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities	:	41
(b)	List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities	:	Nil
(c)	Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators	:	41
(d)	Number of Accidents reported by the Common Bio Medical Waste Treatment Facilities	:	Nil
NB:-			
*	Treatment facilities (Incinerator, microwave & shredder) of SCB Medical College & Hospital is being shared by the Government health care facilities of Cuttack for the treatment of biomedical wastes.		
**	Treatment facilities (Incinerator, Autoclave & shredder) of M/s Mediaid Marketing Service at Amsarang, Sundargarh for the treatment of biomedical wastes		
***	Treatment facilities (Incinerator, Autoclave & shredder) of M/s Mediaid Marketing Service at Seragada, Ganjam for the treatment of biomedical wastes		
****	Treatment facilities (Autoclave, Incinerator, microwave & shredder) of VSS Medical College & Hospital is being shared by the health care facilities of Burla, Sambalpur, Bargarh, Bolangir etc. for the treatment of biomedical wastes.		
*****	Treatment facilities (Incinerator, microwave & shredder) of MKCG Medical College & Hospital is being shared by the City Hospital, Berhampur for the treatment of biomedical wastes.		

**Districtwise numbers of HCFs and district wise treatment and disposal of
BMW in Kg/day**

Sl. No.	District	No. of HCFs	Generation of BMW in kg/day
1.	Angul	146	435.492
2.	Balangir	102	258.107
3.	Balasore	200	400.56
4.	Bargarh	133	261.59
5.	Bhadrak	91	294.813
6.	Boudh	20	29.014
7.	Cuttack	592	3158.01
8.	Deogarh	18	33.537
9.	Dhenkanal	91	274.926
10.	Gajapati	41	96.804
11.	Ganjam	279	1016.8
12.	Jagatsinghpur	74	153.645
13.	Jajpur	132	309.378
14.	Jharsuguda	61	168.989
15.	Kalahandi	129	165.794
16.	Kandhamal	69	108.741
17.	Kendrapara	88	168.908
18.	Keonjhar	184	267.172
19.	Khurda	408	4795.048
20.	Koraput	95	320.637
21.	Malkangiri	44	76.248
22.	Mayurbhanj	128	320.96
23.	Nawarangpur	62	122.878
24.	Nayagarh	96	254.063
25.	Nuapada	42	143.23
26.	Puri	137	309.108
27.	Rayagada	88	206.788
28.	Sambalpur	151	685.042
29.	Subarnapur	36	68.532
30.	Sundargarh	270	1301.397
Total		4007	16206.211