

“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, 2020 to December 2020**

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, Sr. Env. Engineer-L-I,
Tel. No. 0674-2561918, E-mail: rnprusty29@gmail.com

(3) Total no. of Health Care Facilities / Occupiers: 3676

(i) Bedded Hospitals and Nursing Homes (bedded): 1445

(ii) Clinics, dispensaries: 2179

(iii) Veterinary institutions: 01

(iv) Animal houses: Nil

(v) Pathological laboratories: 41

(vi) Blood banks: 01

(vii) Clinical establishment:---

(viii) Research Institutions: 02

(ix) AYUSH: 08

(4) Total no. of beds: 47748

(5) Status of authorisation:

(i) Total number of Occupiers applied for authorisation: 493

(ii) Total number of Occupiers granted authorisation: 512

(iii) Total number of application under consideration: 54

(iv) Total number of applications rejected: Nil

(v) Total number of Occupiers in operation without applying for authorisation: 56

*(6) Quantity of Bio-medical Waste Generation (in kg/day):

- (i) Bio-medical waste generation by bedded hospitals(in kg/day) : 14879.87 kg/day
- (ii) Bio-medical waste generation by non-bedded hospitals (in kg/day) : 423.890 kg/day
- (iii) Any other :

Total: 15, 303.76 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: 2884
- (ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day: 6658.356 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 : 6
- (ii) Number of Common Bio Medical Waste Treatment Facilities under construction: Nil
- (iii) Total bio-medical waste treated in kg/day: 4912.219 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-129 and non-bedded- 06)
- (ii) Common Bio Medical Waste Treatment Facilities: Nil
- (iii) Others (please specify)

(9) Show cause notices/directions issued to defaulters:

(i) Health Care Facilities

Show cause notices/directions issued-bedded and non-bedded): bedded-129 & non-bedded-06

- (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: 02 (By Board)
- (ii) Number of occupiers installed liquid waste treatment facility: 70

*** Apart from the above BMW 951, 024.776 kg of COVID-19 BMW was generated during 2020, out of which 841,683.373 kg was disposed at CBWTFs and 109341.403 kg in deep burial pits.**

- (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: 869
- (vii) Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste: 1445
- (viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems-01

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			Total BioMedical 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	Duburi, Jajpur, Dhamra, Choudwar, Cuttack, Bhubaneswar, Paradeep, Jatni and Khurda	610	12, 626	2855.36	Incinerator	02	100 kg/hr each	2855.36	Incinerator Ash Quantity:- 18164.0 kg/A Disposed off in incineration ash pits. Sharps- Disposed off in sharp pit. Quantity: 14509.0 kg/A Plastics: Other plastic wastes are sold after shredding Quantity: 261991.0 Kg/A Sold to authorized recycler 14509.0 Kg/A
								Plasma Pyrolysis	Nil	Nil		
								Autoclave	03	400 kg/hr		
								Hydroclave	Nil	Nil		
								Micro wave	Nil	Nil		
								Shredder	01	800 kg/d		
								Sharps encapsulation or concrete pit	03	2.35 m ³ /pit		
								Deep burial pit	----	----		
Any other treatment equipment	----	----										

												----- ETP Sludge Quantity: 8355 Kg/A
								Effluent Treatment Plant	01	100 KL/D		
2.	SCB Medical College and Hospital, Cuttack (Operated by M/s. MediAid Marketing Services) i. SCB, Suptd., Ph. No. ii. Mr. BipinSarangi Plot no. N-3/445, IRC Village, Nayapalli, Bhubaneswar- 751 015, Mob: 09238399160	20.391508, 86.126989	30	Cuttack SCB MCH, SCB Dental, SVPPGIP, AHRCC, City Hospital and LHH	6	3175	302.605	Incinerator	1*	70.0 kg/hr.	302.605	Incineration Ash: 776.400 kg/A Quantity: Disposed by: Ash pit Sharps Quantity: 9364.687 kg/A Disposed by: sharp pit Plastics Quantity: 42745.572 kg/A Disposed by- shredded & micro waved ETP Sludge: Quantity: Disposed by: ----
								Plasma Pyrolysis	Nil	Nil		
								Autoclave	Nil	Nil		
								Hydro Clave	Nil	Nil		
								Microwave	03*	260 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		
3.	M/s. Mediaid Marketing Services, At: Plot No. 521 and 567, Amasranga, PO: Bhasma, Dist: Sundargarh Mob: 09238399160	22.365843, 84.731725	150	Rourkela, Sundargarh & Jharsuguda	105	3092	1187.355	Incinerator	1**	70 kg/hr.	1187.355	Incineration Ash Quantity: 473.200 kg/A Disposed by: Ash pit Sharps Quantity: 1220.37 kg/A Disposed by: sharp pit Plastics Quantity: 4790.17 kg/A
								Plasma Pyrolysis	Nil	Nil		
								Autoclave	1**	60 kg/hr		
								Hydro clave	Nil	Nil		
								Microwave	Nil	Nil		

												Disposed by: shredded & micro waved
								Shredder	2**	100 kg/hr		
								Sharps encapsulation or concrete pit	4	3' x 4.5'		
								Deep burial pits	2	2.5' x 5'		
								Any other equipment	---	---		ETP Sludge: Quantity: Disposed by:
								Effluent Treatment Plant	1	15 KLD		
4.	VSS Medical College and Hospital, Burla, Sambalpur (Operated by M/s. Bio-Tech Solution, Berhampur) I. VIMSAR Suptd., Ph. No. Sri Rajendra Kumar Sahu Jyoti Nagar, 2 nd Lane Extn. Berhampur-1, Dist: Ganjam, Phone no.9861716876/943 7260528	21° 30' 00" North, 83° 52' 00" South	150	Burla, Sambalpur , Bolangir & Bargarh	54	2082	363.8 Kg/d	Incinerator	01***	70 kg/hr	363.8 Kg/d	Incinerator Ash: 6148.17 kg/A Disposed off in incineration ash pits.
								Plasma Pyrolysis	Nil	Nil		Sharps- Disposed off in sharp pit. Quantity: 5254.65 kg/A Disposed by—
								Autoclave	01***	600 L/cycle		Plastics:
								Hydroclave	Nil	Nil		Other plastic wastes are sold after shredding Quantity: 35647.23 kg/A
								Microwave	02***	600 L/cycle		Disposed by--
								Shredder	03***	100 kg/hr. each		ETP Sludge: 1505.3 kg/A Land filling.
								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		
5.		----	-----		2	1156	161.0	Incinerator	1****	200 kg/hr.	161.0	Incineration Ash

	MKCG Medical College and Hospital, Berhampur, Dist: Ganjam (Operated by M/s. Life Line Pharma) MKCG Suptd., Ph. No. Banita Panda, At: Jaya Prakash			MKCG MCH, Berhampur & City Hospital, Behampur				Plasma Pyrolysis	---	----		Quantity: 20 kg/d
								Autoclave	Nil	Nil		Disposed by: Ash pit
								Hydroclave	Nil	Nil		Sharps Quantity: ---- kg/day
								Microwave	3****	60 L/cycle		Disposed by: sharp pit
								Shredder	1****	100 kg/hr		Plastics Quantity: ----- kg/day
								Sharps encapsulation or concrete pit	02	3'x4.5'		Disposed by- shredded & microwawe
								Deep burial pits	03	2.5' x 5'		ETP Sludge: 15 KLD
								Any other equipment				Quantity: 15 KLD
								Effluent Treatment Plant	1	40 KLD		Disposed by:
6.	M/s. Mediaid Marketing Services, At: village- Arakhapada, Tehsil-Seragada, Dist: Ganjam. Mob: 09238399160	22.365843N	50	Berhmapur	15	1671	42.099 kd/d	Incinerator	01***	350 kg/hr	42.099 kd/d	Incinerator Ash: 29.700 kg/A Disposed off in incineration ash pits.
								Plasma Pyrolysis	---	----		Sharps Quantity: ----- kg/day
								Autoclave	01***	100 kg/hr		Disposed by: sharp pit

								Hydro clave	Nil	Nil		Plastics Quantity: 876.546 kg/day Disposed by- shredded & microwave
								Microwave	Nil	Nil		
								Shredder	1****	100 kg/hr.		
								Sharps encapsulation or concrete pit	01	----		
								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: 26
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities:
- (c) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators: 37
- (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.
- ** The CBWTF at RGH, Rourkela has been closed permanently after the new CBWTF of M/s Mediaid Marketing Service at Amsarang, Sundargarh became operational Authorization on

- *** 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.