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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. 7401 / IND-IV-BW-358 (Pt)

Date: 23.07.19

BY SPEED POST

E-mail: youthika.cpcb@nic.in
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To

Mr. B.Vinod Babu,
AD & DH WMD-I,
Central Pollution Control Board,
(Ministry of Environment Forest & Climate, Govt. of India)
'Parivesh Bhawan' East Arjun Nagar, Delhi-110 032

Sub: Submission of Annual Report information on Biomedical Waste Management for the year 2018-Reg.

Ref: Your letter No. B-31011/BMW (2.23)/2019/WMD-I/2883, dtd. 13.07.2019

Sir,

In inviting reference to the above, please find enclosed herewith the Annual Report for the Calendar Year – 2018 in the prescribed format.

Yours faithfully

Encl: As above


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, 2018 to December 2018**

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: Dr. P. K. Prusty, Chief Env. Scientist,
Tel. No. 0674-2563909, E-mail: pramode_prusty@yahoo.com

(3) Total no. of Health Care Facilities / Occupiers: 3259

(i) Bedded Hospitals and Nursing Homes (bedded): 1443

(ii) Clinics, dispensaries: 1777

(iii) Veterinary institutions: Nil

(iv) Animal houses: Nil

(v) Pathological laboratories: 31

(vi) Blood banks: 01

(vii) Clinical establishment:---

(viii) Research Institutions: 02

(ix) AYUSH: 05

(4) Total no. of beds: 44, 865

(5) Status of authorisation:

(i) Total number of Occupiers applied for authorisation: 860

(ii) Total number of Occupiers granted authorisation: 697

(iii) Total number of application under consideration: 163

(iv) Total number of applications rejected: Nil

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

(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) : 14222.2 kg/day

(ii) Bio-medical waste generation by non-bedded hospitals (in kg/day) : 341.8 kg/day

(iii) Any other :

Total : 14564.0 Kg/day

(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: 2453

(ii) Total bio-medical waste treated and disposed by captive treatment facilities in kg/day: 11, 173.0 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 : 05

(ii) Number of Common Bio Medical Waste Treatment Facilities under construction: 01

(iii) Total bio-medical waste treated in kg/day: 3,391.0 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-110 and non-bedded-88

(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-110 & non-bedded-88

(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: 51

(ii) Number of occupiers installed liquid waste treatment facility: 69

(iii) Number of captive incinerators complying to the norms: 05

(iv) Number of occupiers organised trainings: 15

(v) Number of occupiers constituted Bio-medical Waste Management Committees: 35

(vi) Number of occupiers submitted Annual Report for the previous calendar year: 3239

(vii) Number of occupiers practising pre-treatment of lab microbiology and Bio-technology waste: 1443

(viii) Number of Common Bio Medical Waste Treatment Facilities that have installed Continuous Online Emission Monitoring Systems-01

								Shredder	01	450 kg/hr		Other plastic wastes are sold after shredding Quantity: 235404.0 Kg/A Sold to authorized recycler
								Sharps encapsulation or concrete pit	03	2.35 m ³ /pit		25936.0 Kg/A
								Deep burial pit	----	----		----
								Any other treatment equipment	----	----		----
								Effluent Treatment Plant	01	100 KL/D		ETP Sludge Quantity: 5475.0 Kg/A
2.	M/s. MediAid Marketing Services, (SCB Medical College and Hospital, Cuttack) Mr. Bipin Sarangi Plot no. N-3/445, IRC Village, Nayapalli, Bhubaneswar- 751 015, Mob: 09238399160	20.391508, 86.126989	30	Cuttack	6	3113	417	Incinerator	1*	70.0 kg/hr.	417	Incineration Ash: 1320.0 kg/A Quantity: Disposed by: Ash pit
				SCB, MCH, SCB Dental, SVPPGIP, AHRCC, City Hospital and LHH				Plasma Pyrolysis	Nil	Nil		Sharps Quantity: 22207.8 kg/A Disposed by: sharp pit
								Autoclave	Nil	Nil		
								Hydro Clave	Nil	Nil		

								Microwave	02*	100 Lt/Cycle each		Plastics Quantity: 37341.0 kg/A Disposed by- shredded & micro waved ETP Sludge: Quantity: Disposed by: ----
								Shredder	1*	100.0 kg/hr.		
								Sharps encapsulati on 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, RGH Campus, Rourkela Mr. Bipin Sarangi Plot no. N-3/445, IRC Village, Nayapalli, Bhubaneswar- 751 015, Mob: 09238399160	22.365843, 84.731725	100	Rourkela, Sundargarh	65	1500	338.0	Incinerator	1**	70 kg/hr.	338.0	Incineration Ash Quantity: 660 kg/A Disposed by: Ash pit
								Plasma Pyrolysis	Nil	Nil		Sharps Quantity: 14955.2 kg/A Disposed by: sharp pit
								Autoclave	1**	60 Lt/Cycle		Plastics Quantity: 27084.0 kg/A Disposed by: shredded & micro waved
								Hydro clave	Nil	Nil		
								Microwave	Nil	Nil		
								Shredder	2**	100 kg/hr. each		
								Sharps encapsulati on or concrete pit	4	3' x 4.5'		

								Deep burial pits	2	2.5' x 5'		ETP Sludge: Quantity: Disposed by:
								Any other equipment	---	---		
								Effluent Treatment Plant	1	15 KLD		
4.	M/s. Bio-Tech Solution, Berhampur (VSS Medical College and Hospital, Burla, Sambalpur) 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, Rairakhol & Bargarh	29	1731	329.03 Kg/d	Incinerator	01***	70 kg/hr	329.03 Kg/d	Incinerator Ash: 2871.2 kg/A Disposed off in incineration ash pits.
								Plasma Pyrolysis	Nil	Nil		Sharps- Disposed off in sharp pit. Quantity: 6779.0 kg/A Disposed by--
								Autoclave	Nil	Nil		Plastics: Other plastic wastes are sold after shredding Quantity: 38996.3 kg/A Disposed by--
								Hydroclave	Nil	Nil		
								Microwave	01***	100 Kg/hr.		
								Shredder	02***	100 kg/hr. each		
								Sharps encapsulation or concrete pit	02	2 X 2 meter		
								Deep burial pits	3	2 X 2 meter		
								Any other equipment				

								Effluent Treatment Plant	1	10 KLD		ETP Sludge: 1222.2 kg/A Land filling.
5.	M/s. MediAid Marketing Services, (MKCG Medical College and Hospital, Berhampur, Dist: Ganjam) Mr. Bipin Sarangi Plot no. N-3/445, IRC Village, Nayapalli, Bhubaneswar- 751 015, Mob: 09238399160	19.1835702N 84.4843004 E	10	Berhampur, MKCG MCH & City Hospital	2	1291.0	191.73	Incinerator	1****	200 kg/hr.	191.73	Incineration Ash Quantity: 2.3 kg/d Disposed by: Ash pit
								Plasma Pyrolysis	---	---		Disposed by: Ash pit
								Autoclave	Nil	Nil		Sharps Quantity: 5.8 kg/d
								Hydroclave	Nil	Nil		Disposed by: sharp pit
								Microwave	1****	100 Lt/Cycle		Plastics Quantity: 44.5 kg/d
								Shredder	2****	100 kg/hr. each		Disposed by- shredded & microwave
								Sharps encapsulation or concrete pit	1	3'x4.5'		
								Deep burial pits	3	2.5' x 5'		ETP Sludge: Quantity: Disposed by:
								Any other equipment				
								Effluent Treatment Plant	1	Under Process		
								Sub-total				

- (a) Total Number of transportation vehicles used for collection of Bio-medical Waste on daily basis by the Common Bio-Medical Waste Treatment Facilities: 15
- (b) List of Health Care Facilities not having membership with the Common Bio-Medical Waste Treatment Facilities and neither having captive treatment facilities: 179
- (c) Number of trainings organised by the Common Bio-Medical Waste Treatment Facility operators: 36
- (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 Rourkela Govt. Hospital is being shared by the health care facilities of Rourkela & Sundargarh for the treatment of biomedical wastes.
- *** Treatment facilities (Incinerator, microwave & shredder) of VSS Medical College & Hospital is being shared by the health care facilities of Burla, Sambalpur, Bargarh, Rairakhol 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.