



JHARKHAND STATE POLLUTION CONTROL BOARD

TOWNSHIP ADMINISTRATION BUILDING, HEC COMPLEX, DHURWA, RANCHI 834004

Telephone: 0651-2400850 (Fax)/ 2400851/2400852/2401847/2400979/2400139

Ref No. JSPCB/HO/RNC/CTO-17208626/2024/390

Dated : 2024-03-12

Consent to operate (CTO) under section 25 /26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

1. Application (s) dated 2023-11-01 of Adityapur Waste Management Pvt Ltd (Common Bio-Medical Waste Treatment Facility), Occupier Name :Ashish Kumar Singh for consent under section 25 (1)(b)/25 (1) (c)/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21(1) of the Air (Prevention & Control of Pollution) Act,1981..

2. Documents Relied Upon:

(a) The content of Environmental Clearance issued vide Ref. No. EC/SEIAA/2017-18/ 2064/ 2017/240 Dated 22.12.2017 by SEIAA, Ranchi for Autoclave- 430 kg/batch,Shredder-100 kg/hr. and Existing incinerator-500 kg/hr. will be used of TSDF with compliance report;

(b) The content of Consent to Establish (CTE) Ref No.: JSPCB/HO/RNC/CTE-2693005/2018/1019 Dated : 2018-10-03 at Mauza: Dugni, Khata No.: 529, Khesra No.: 43, Area-20 acres, Investment- Rs. 70 Lac for Incinerator's Capacity-200 Kg/hr.;

(c) The content of Consent-to-Operate(CTO) Ref No. JSPCB/HO/RNC/CTO-15333597/2023/1052 Dated: 2023-06-16 at Mauza: Dugni, Khata No.: 529 Khesra No. : 43, Area-20 acres, Investment- Rs. 70 Lac for Incinerator's Capacity- 200 Kg/Hr. valid till 30.09.2023;

(d) The content of Uploaded follow up letter from CPCB, New Delhi vide Ref. 1213 dated 16.05.2023; with direction to ensure daily usage of COVID19 BWM App to ensure effective implementation of Biomedical Waste Management Rules, 2016 and CPCB guidelines.

(e) The content of Letter from Adityapur Auto Cluster (Concessinoer) certified that on Plot No. 43, Khata No. 529, Near Sini More, Mouza-Dugni, Dist- Saraikela Kharsawan, Jharkhand - 833108, we have appointed M/s Adityapur Waste Management Private Limited to undertake the "Development, Operation, Maintenance and Management of Hazardous Waste Management Facility (Treatment, Storage and Disposal Facility) on Design Built Own Operate and Transfer (DBOOT) basis.

(f) The content of inspection report issued vide 105 dated 03.02.2024 of Regional Officer, Regional Office-Cum-Laboratory, J.S.P.C. Board, Jamshedpur;

3. The consent is granted under section 25 / 26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 to operate the project in Mauza -Dugni , P S -Seraikela Kharsawan , District -SERAIKELA KHARSAWAN , as follows:

Project	Site-Area		Investment (Rs)	Product & Capacity	Period of CTO
	Plot Nos.	Area			Date of issue To

Before Expansion	Mauza : Dugni Khata No. : 529 Khesra No. : Plot No.43	20 acres	70 lakhs	Incinerator's Capacity - 200 Kg/hr.	30/09/2028
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(A) Specific Conditions:

1. That, the occupier shall take all necessary steps to ensure that the bio-medical waste collected from the health care facilities is transported, handled, stored, treated and disposed of, without any adverse effect to the human health and the environment, in accordance with Bio-Medical Waste Management Rules, 2016 and guidelines issued by the Central Government or, as the case may be, the central pollution control board from time to time.

2. That, the occupier shall ensure timely collection of bio-medical waste from the health care facilities as prescribed under Bio-Medical Waste Management Rules, 2016.

3. That, the occupier shall obtain the authorization from the Board as per Bio-Medical Waste Management Rules, 2016, within consent period

4. Emission Standards

S.N. Parameter Limiting concentration in mg/Nm³ unless stated

- i. Particulate matter 50
- ii. Nitrogen Oxides NO and NO₂ 400
- iii. HCl 50
- iv. Total Dioxins and Furans 0.1 ng TEQ/ Nm³(at11% O₂)
- v. Hg and its compounds 0.05

5. That, the occupier shall maintain in the record book regarding details of waste received and treated in the Incinerator

6. That, the occupier shall operate the incinerator only by skilled and qualified person and shall ensure the training to the operators from time to time through instrument manufacturer.

7. That, the occupier shall operate & maintain the incinerator properly and ensure immediate repair or replacement of faulty parts, such as burner, temperature indicator, temperature sensors, door etc.

8. That, the occupier shall comply and submit compliance of all the conditions of Environmental Clearance at the time of CTO application.

9. That, the occupier shall maintain in the record book regarding details of waste received and treated in the Incinerator and show to Regional Officer at the time of inspection.

10. That, the occupier shall inform the prescribed authority immediately regarding the occupiers which are

not handing over the segregated bio-medical waste in accordance with the Bio-Medical Waste Management Rules, 2016.

11. That, the occupier shall prevent scavengers from sorting the non-disinfected waste.

12. That, the occupier shall use the vehicles used for transportation of bio-medical waste, shall comply with the conditions stipulated under Bio-Medical Waste Management Rules, 2016 in addition to the requirement contained in the Motor Vehicles Act, 1988 (59 of 1988), if any or the rules made there under for transportation of such infectious waste. The vehicles shall also be properly labeled with the related symbols.

13. That, the occupier shall dispose off Bio-Medical Waste adhering to Bar code as per Bio-Medical Waste Management Rules, 2016

14. That, the occupier shall use non-chlorinated plastic bags as per Bio-Medical Waste Management Rules, 2016 & its amendment'2018.

15. That, the occupier shall segregate and treat the waste as per the Bio-Medical Waste Management Rules, 2016.

16. That, the occupier shall comply with the emission and effluent standards as per schedule II of the BioMedical Waste Management Rules, 2016.

17. That, the occupier shall treat and disposed of Biomedical waste in accordance with schedule-I and in compliance with standards prescribed in schedule II of Bio-Medical Waste Management Rules, 2016.

18. That, the Incineration ash and ETP sludge shall be disposed through TSDF.

19. That, the occupier shall in case of occurrence of any accidents, the occupier shall report to the prescribed authority in form I mentioned in the Bio-Medical Waste Management Rules, 2016.

20. That, the occupier shall maintain categories wise detail of biomedical waste generated in order to prevent the pilferage of disposable at the point of waste generation itself.

21. That, the occupier shall maintain Volatile organic compounds in ash not be more than 0.01%.

22. That, the occupier shall maintain a log for the operation and maintenance of incinerator including details of waste received, waste incinerated, fuel consumption, etc. and shall be kept at the incinerator and show to Regional Officer at the time of inspection.

23. That, the occupier shall complete the OCEMS connectivity and respective connection with the JSPC Board server within consent period.

24. Incinerator Operating Standards a) Combustion efficiency (CE) shall be at least 99%. (b) The Combustion efficiency is computed as follows: $C.E. = \%CO_2 \times 100 (\%CO_2 + \%CO)$ (c) The temperature of the primary chamber shall be a minimum of 800 deg C and the secondary chamber shall be minimum of

1050 deg C \pm 50 deg C. (d) The secondary chamber gas residence time shall be at least two seconds.

25. Incinerator Operating Standards a) Combustion efficiency (CE) shall be at least 99%. (b) The Combustion efficiency is computed as follows: $C.E. = \%CO_2 \times 100 (\%CO_2 + \%CO)$ (c) The temperature of the primary chamber shall be a minimum of 800 deg C and the secondary chamber shall be minimum of 1050 deg C \pm 50 deg C. (d) The secondary chamber gas residence time shall be at least two seconds.

26. That, the occupier shall submit applications for renewal of consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 again 120 days prior to the date of expiry of this consent i.e. 30.09.2025 with requisite fee and documents showing compliance of all of the above conditions.

(B) General Conditions :

(1) That, the occupier shall maintain the **National Ambient Air Quality Standard** given below:

S N	Pollutant	Time Weighted Average	Concentration in Ambient Air	
			Industrial, Residential, Rural and Other Area	Ecologically Sensitive Area (notified by Central Govt.)
(1)	(2)	(3)	(4)	(5)
1.	Sulphur Dioxide (SO ₂), µg/m ³	Annual 24 hours	50 80	20 80
2.	Nitrogen Dioxide (NO ₂), µg/m ³	Annual 24 hours	40 80	30 80
3.	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual 24 hours	60 100	60 100
4.	Particulate Matter (size less than 2.5 µm) or PM _{2.5} , µg/m ³	Annual 24 hours	40 60	40 60
5.	Ozone(O ₃), µg/m ³	8 hours 1 hour	100 180	100 180
6.	Lead (Pb) µg/m ³	Annual 24 hours	0.50 1.0	0.50 1.0
7.	Carbon Monoxide (CO) mg/m ³	8 hours 1 hour	02 04	02 04
8.	Ammonia (NH ₃) µg/m ³	Annual 24 hours	100 400	100 400
9.	Benzene (C ₆ H ₆) µg/m ³	Annual	05	05
10.	Benzo(a) Pyrene(BaP) Particulate Phase only ng/m ³	Annual	01	01
11.	Arsenic (As) ng/m ³	Annual	06	06
12.	Nickel (Ni) ng/m ³	Annual	20	20

**Note : Serial no. 1 to 4 – Mandatory
Serial no. 5 to 12 As applicable for specific type of industry.**

- (2) That, the occupier shall maintain the emission quality within the standard and the quantity, as follows:

S N	Parameter	Standard
1	Particulate Matter	100 µg/ Nm ³

- (3) That, the occupier shall keep process effluent in close-circuit and the quality of effluent from other sources in conformity with the standard (s) and the discharge quantity as below:

S N	Parameter	Standard
1	Total Suspended Solids	100 mg/L
2	BOD	30 mg/L
3	COD	250 mg/L
4	Oil & Grease	10 mg/L

- (4) That, the occupier shall dispose of solid wastes as follows:

S N	Waste Type	Mode of Disposal
1	Hazardous Carbonaceous Wastes	In co-processing in high temperature furnaces or kilns
2	Hazardous Non-Carbonaceous Wastes	In TSDF
3	Non-Carbonaceous Non-Hazardous solid wastes/ Mine Over Burden	As a substitute of Soil or Mineral

- (5) That, the occupier shall keep D G Set(s) within acoustic enclosure and shall keep the height(s) of exhaust pipe(s) as per Central Pollution Control Board norm.
- (6) That, the occupier shall install and maintain Central Ground Water Board/ State Ground Water Directorate approved system of rain water harvesting-cum-ground water recharge and submit the photographic view of the structures within a month.
- (7) That, the occupier shall grow and maintain greenery of the project in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity.
- (8) That, the occupier shall submit environmental statement with supporting stoichiometric calculations analyses reports, every year latest by 30th September of the next financial year.
- (9) That, the occupier shall submit report(s) duly monitored and issued by an NABL accredited / ISO 9001:2008 and OHSAS 18001:2007 certified laboratory in compliance sub-para (2), (3), (4) and (5) of paragraph 3 of this CTO yearly at required periodicity.

- (10) That, this CTO is valid subjected to the validity of mining Lease/Mining Plan/Ecofriendly/Environmental Clearance, if applicable. In case of no renewal of Mining Lease/Mining Plan, this consent shall be treated as revoked automatically.
- (11) That, this CTO is issued from the environmental angle only and does not absolve the occupier from other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with these conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ occupier.
- (12) That, this CTO shall not in any way, adversely affect or jeopardize the legal proceeding , if any, instituted in the past or that could be , instituted against you by the State Board for violation of the provisions of the Act or the Rules made there under.
- (13) That, the occupier shall comply with all applicable provisions of the Water (Prevention & Control of Pollution) Act, 1974; the Water (Prevention & Control of Pollution) Cess Act, 1977; the Air (Prevention & Control of Pollution) Act, 1981; and the Environment (Protection) Act, 1986 and Rules made there under.
4. **That, this CTO shall not absolve the occupier from making compliance of other statutory prescribed under any law or direction of courts or any other instrument for the time being in force.**
5. **That, this CTO is being issued on the basis of information/ documents/ certificate submitted by the unit. This CTO will be revoked if any of the information/documents/certificates/undertaking given by the occupier is found false/fictitious/forged in future.**
6. **The Order shall be valid subject to compliance of all other legal requirements applicable to the unit.**
7. **The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alteration in conditions of this consent.**

This is issued with the approval of the Competent authority

(Sanjay Kumar Srivastava)
Section Head, Jamshedpur

Memo No. : JSPCB/HO/RNC/CTO-
17208626/2024/390

Dated : 2024-03-12

Copy to: M/s Adityapur Waste Management Pvt Ltd (Common Bio-Medical Waste Treatment Facility)
Plot No 43, Khata No.529, Village -Dugni, Seraikela Kharsawan/ Chief Inspector of Factories, Ranchi/
Director of Industry, Govt of Jharkhand, Ranchi/ Deputy Commissioner, SERAIKELA KHARSAWAN/
Regional Officer, Regional Office-Cum-Laboratory, JSPCB,Jamshedpur for information & necessary action.

(Sanjay Kumar Srivastava)
Section Head, Jamshedpur