

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'
Bldg. No. - 10A, Block - LA, Sector-III
Salt Lake City, Kolkata-700 098



[Renewal]

Consent Letter Number : CO128816

Memo Number : 07-25/CON(BM)-2121/2007

Date : 21-03-2023

Consent to Operate

under

Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974 and
Section 21 of the Air (Prevention and Control of Pollution) Act, 1981

The West Bengal Pollution Control Board (hereinafter referred to as State Board) under the provisions of Section 25 & 26 of the Water (Prevention and Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention and Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder, hereby grants its consent to :

Medicare Environmental Management Pvt. Ltd.

(Address of Regd. office/Head/Office/City Office)

(hereinafter referred to as Applicant) for its unit located at Mangalpur, P.O & P.S - Ranigunj,
Prochim Bardhaman - 713347

(Detailed address of the manufacturing unit)

for a period from date of issue to 31/12/2027

to operate the industrial unit and to discharge liquid effluent and to emit gaseous effluent from the premises/land of the industrial unit, in accordance with the conditions as mentioned in the Annexure to this consent letter provided on any day at any instance the quantity and quality of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Table I & II of this consent letter and in the Environmental (Protection) Act, 1986.

Breach of the conditions and / or failure to comply with the directions as set out in the Annexure shall render the applicant liable for prosecution under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981.

The State Board reserve the right to revoke, withdraw or make any reasonable variation / change / alter the conditions of this consent letter giving one month's notice to the applicant.

For and on behalf of the State Board

Anuska / 21-03-2023

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Senior Environmental Engineer
Bio-medical W.M. cell



ANNEXURE

Consent to Medicare Environmental Management Pvt. Ltd.
 for its unit at Mangalkpur, P.O & P.S - Ranigunj, Paschim Bardhaman
713397

Conditions :

01. This Consent is valid for the manufacture of :- Common Bio-medical Waste Treatment Facility

Sl. No.	Name of major products and by-products	Quantity manufactured per month
01	<u>Common Bio-medical Waste Treatment Facility</u>	<u>Incinerator - 1 X 250kg/hr.</u>
02		<u>Autoclave - 420lit/batch</u>
03		<u>Shredder - 140kg/hr.</u>
04		
05		
06		
07		
08		
09		
10		
11		
12		

02. The Applicant shall remain responsible for quantity and quality of liquid effluent and air emissions.
03. **Daily** discharge of industrial liquid effluent shall not exceed — KL.
04. **Daily** discharge of domestic liquid effluent shall not exceed 3.20 KL.
05. **Daily** discharge of mixed (industrial & domestic) liquid effluent shall not exceed — KL.
06. The Applicant shall discharge liquid effluent to Septic tank to soak pit (place of discharge) through One nos. outlets / outfalls.
07. To bring into any altered or new outlet/outfall or to change the place of discharge, the Applicant shall have to inform the Board and obtain prior permission of the Board in this effect.
08. The Applicant shall provide comprehensive facility for treatment of industrial liquid waste and domestic liquid waste (sewage, sullage and liquid effluent generated from canteen), and operate and maintain the same continuously so that the quality of final effluent conforms to the *Standard* as given in Table-I in page 03.

Ananda / 21.03.2023
 Senior Environmental Engineer
 Bio-medical W.M. cell

(Member Secretary/Chief Engr./ Sr. Env. Engr./ Env. Engr./ Asst. Env. Engr.)

(3)

Consent to Medicare Environmental Management Pvt. Ltd.
for its unit at Mangalpur, P.O & P.S- Raniganj, Paschim
Bardhaman- 713347

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
One	Domestic	pH	Between: 5.5 to 9.0	} yearly
		Total Suspended Solids	Not to exceed: 150 mg/l.	
		Biochemical Oxygen Demand (3day at 27°C)	Not to exceed: 30 mg/l.	
		Chemical Oxygen Demand	Not to exceed: 250 mg/l.	
		Oil & Grease	Not to exceed: 10 mg/l.	
Industrial effluent to be recycled after treatment in Effluent Treatment Plant and maintain permissible limit as mentioned below:				
One	Industrial	pH	Between: 6.5 to 9.0	} Quarterly
		Suspended Solids	Not to exceed: 100mg/lit	
		Oil & grease	Not to exceed: 10mg/lit	
		BOD	Not to exceed: 30mg/lit	
		COD	Not to exceed: 250mg/lit	
		Bio-assay test	90% survival of fish after 96 hours in 100% effluent	

09. The Applicant falls in theCategory of the Water (Prevention and Control of Pollution) Cess Act, 1977 and Rules made thereunder and the Applicant shall comply with the provisions of the said Act and Rules made thereunder.

10. Daily water consumption for the following purposes should not exceed :-

- Industrial cooling, spraying in mine pits and boiler feed water → 45.00KL
(Water used for gardening should be included in this category of use)
- Domestic purpose → 4.00KL
- Processing whereby water gets polluted and the pollutants are easily biodegradable → -KL
- Processing whereby water gets polluted and the pollutants are not easily biodegradable → -KL

The Applicant shall regularly submit to the Board the Returns of Water Consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

Ananda / 21.03.2023
Senior Environmental Engineer
Bio-medical W.M. Cell

(Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Continued.....

Consent to Medicare Environmental Management Pvt. Ltd.
 for its unit at Mangalpur P.O & P.S - Ranigunj, Paschim
Bardhaman - 713347

11. The *Applicant* shall install suitable device for measuring the volume of water consumed for different purposes as mentioned above giving correct result to the satisfaction of the *State Board*.
12. All the stacks connected to various sources of emissions must be designated by numbers such as S-1, S-2, S-3, etc., and this must be painted/displayed to facilitate identification.
13. The *Applicant* shall install comprehensive control system consisting of pollution control equipment as is warranted with reference to generation of air emissions and operate and maintain the same continuously so as to achieve the level of pollutants of the *Standard* as given in Table-II below :

Table-II

Stack No.	Stack height from G.L., (in mts.)	Stack attached to (sources and control system, if any):	Volume Nm ³ /hr.	Velocity of gas emission m/sec	Concentrations of parameters not to exceed					Frequency of emission sampling
					SPM (mg/Nm ³)	CO _{Nm3} (%v/v) mg/Nm ³	HC _{Nm3} mg/Nm ³	Total Dioxin of Furans	H ₂ S & its compounds	
S-1	30m	1x250Kgs/hr capacity HSD fired Incinerator	—	—	50 (11% correction of oxygen on dry basis)	400	50	0.1mg TEG/Nm ³ (at 11% O ₂)	0.05 mg/Nm ³	Quarterly
S-2	6.5m	1x62.5 KVA Diesel	←	←	P.P. see Annexure I →					←
S-3										
S-4										
S-5										
S-6										
S-7										
S-8										
S-9										
S-10										

K. Anand 21.03.2023
 Senior Environmental Engineer
 (Member Secretary/Chief Engr./ Sr. Env. Engr./ Sr. Env. Engr. Asst. Env. Engr.)

(5)

Consent to Medicare Environmental Management Pvt. Ltd.
 for its unit at Mangalpur, P.O & P.S - Ranigunj, Paschim
Bardhaman - 713347

14. The *Applicant* shall provide ports in the stack(s) and other necessary permanent facilities such as ladder, platform, etc. for monitoring/sampling the air emissions and the same shall be made available for inspection and use by the *State Board's* staff as well as *State Board's* authorised agencies.
15. The *Applicant* shall observe the following fuel consumption pattern :-

Sl. No	Type of fuel	Quantity consumed per day	Fuel burning operation where the fuel is used
01	HSD	10 KL/month	1X 250 Kg/hr. Incinerator & D.G.set
02			
03			
04			
05			

16. The *Applicant* shall maintain the generation and treatment/disposal of non-hazardous solid waste as specified below :-

Type of waste	Quantity	Treatment	Disposal
① Incinerator Ash	20 MT/month		To be sent to CHWTSDF
② ETP Sludge	7.2 MT/month		To be sent to CHWTSDF
③ Recyclable wastes after autoclaving	19.50 MT/month		To be sent to authorized/Registered Recycler

17. The *Applicant* shall take adequate measures for control of noise levels from its own sources within the premises within the limit given below :-

Time	Limit in dB(A) L_{eq}
Day Time (06 a.m. to 10 p.m.)	65
Night Time (10 p.m. to 06 a.m.)	55

18. The *Applicant* shall at all times maintain good house-keeping, proper working order, and operate efficiently for control of pollution from all sources so as not to cause nuisance to surrounding areas/inhabitants and to achieve compliance with the terms and conditions of the consent.
19. The *Applicant* shall bring about at least 33% of the available open land under the green coverage / plantation.
20. The *Applicant* shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the *Applicant* to maintain compliance with the terms and conditions of the consent. In absence of such an alternate electric power source, the *Applicant* shall stop, reduce or otherwise control production to abide by the terms and conditions of the Consent regarding pollution level.
21. The *Applicant* shall install a separate energy meter showing the consumption of energy for operation of pollution control devices.
22. The *Applicant* shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
23. The *Applicant* shall provide drainage system for conveying industrial and domestic liquid waste. Storm-water drain shall be kept separate from the drainage system meant for industrial and domestic liquid waste

(Member Secretary/Chief Engr./Sr. Env. Engr./ Env. Engr. / Asst. Env. Engr.)

Senior Environmental Engineer
 Bio-medical W.M. cell

Continued.....

Consent to Medicare Environmental Management Pvt. Ltd.
 for its unit at Mangalpur, P. O & P. S - Raniganj, Paschim Bardhaman
713347

24. The *Applicant* shall maintain a separate register showing consumption of chemicals used in pollution control systems.
25. The *Applicant* shall get the samples of hazardous wastes/leachates analysed at least once in from the laboratory recognised of the West Bengal Pollution Control Board and ensure that they conform to the limits stipulated. Test reports shall be sent to the Board.
26. The *Applicant* shall provide adequate and safe facility for collection of air, waste water and solid waste samples by the *State Board's* staff as well as *State Board's* authorised agencies.
27. The *Applicant* shall submit to the *State Board* by the 30th September of every year the Environmental Statement Report for the financial year ending 31st March of the current year in the prescribed form (Form -V) as required under the provisions of rule 14 of the Environment (Protection) [Second Amendment] rules, 1992.
28. The *Applicant* shall allow the Officers of the *State Board* to enter into the applicant's premises at any reasonable time to inspect the pollution control systems as well as monitoring and measuring devices in connection with prevention & control of pollution.
29. The *Applicant* shall maintain an Inspection Book in the factory premises which shall be made available to Officers & employees of the *State Board* for inspection, review and to write down any direction or observation as is deemed necessary during the inspection from time to time.
30. The *Application* shall furnish to the *State Board* all information in respect of quality, quantity, rate of discharge, place of discharge of liquid effluent and air emissions.
31. The *Applicant* shall maintain adequate number of qualified and trained personnel among his staff for proper maintenance and operation of the effluent treatment and / or emission control devices and for overall environment management of the industry.
32. The *Applicant* shall have to make registration for the use of groundwater if any, with Central Ground Water Authority.
33. The *Applicant* shall intimate to the *State Board* immediately of any occurrence or apprehension of occurrence of discharge of any poisonous, noxious or pollutants in excess of quality as well as quality as mentioned earlier to any receiving water body/receiving system or to atmosphere owing to accident or other unforeseen incident/event including natural disaster. The *Applicant* Shall (i) take all steps adequate to prevent such accident discharge/release of poisonous, noxious or pollutants and to limit their consequences to persons and the environment, (ii) provide to the persons working on the site with the information, training and equipment including antidotes necessary to ensure their safety and mitigate the accidental release of poisonous noxious or pollutants to the environment.
34. The *Applicant* shall make an application to the *State Board* in the prescribed form for renewal of the consent at least 60 (sixty) days before the date of expiry of this Consent.
35. The *Applicant* shall not make any alternation/modification/expansion in the existing manufacturing process and equipment as well as the pollution control system without prior approval of the Board.
36. The *Applicant* shall comply with the conditions as laid down in the Manufacture, Storage and Import of hazardous Chemicals Rules, 1989 and Hazardous Wastes (Management & Handling) Rules, 1989.

Additional Conditions

pl. see Annexure I & II

[Signature] 21.03.2023
 Senior Environmental Engineer
 Bio-medical Dept. call

ANNEXURE I to 'Consent to Operate' Sl. No. CO128816

Name of the unit: M/s. Medicare Environmental Management Pvt. Ltd.
Mangalpur, P. O & P. S- Ranigunj,
Paschim Bardhaman- 713347

- a. For DG set below 800 kW $H = h + 0.2 \times \sqrt{kVA}$ Where H = height of exhaust stack h = height of building.
- b. For DG set above 800 kW - Minimum 30 meter. In case building height is more than 30 meter Stack Height = Building height + minimum 6 meter

TABLE

Power Category	Emission Limits (g/kW-hr)			Smoke Limit (light absorption coefficient, m^{-1})
	NOx+HC	CO	PM	
Upto 19 KW	≤ 7.5	≤ 3.5	≤ 0.3	≤ 0.7
More than 19 KW upto 75 KW	≤ 4.7	≤ 3.5	≤ 0.3	≤ 0.7
More than 75 KW upto 800 KW	≤ 4.0	≤ 3.5	≤ 0.2	≤ 0.7

EMISSION STANDARDS FOR DIESEL ENGINES (ENGINE RATING MORE THAN 0.8 MW (800 KW)) FOR POWER PLANT, GENERATOR SET APPLICATIONS AND OTHER REQUIREMENTS

TABLE

Parameter	Area Category	Total engine rating of the plant (includes existing as well as new generator sets)	Generator sets commissioning date		
			Before 1.7.2003	Between 1.7.2003 and 1.7.2005	On or after 1.7.2005
NOx (as NO ₂) (AT 15% O ₂), dry basis, in ppmv	A	Upto 75 MW	1100	970	710
	B	Upto 150 MW			
	A	More then 75 MW	1100	710	360
	B	More then 150 MW			
NMHC (as C)(at 15% O ₂), mg/Nm ³	Both A and B		150	100	
PM (at 15% O ₂), mg/Nm ³	Diesel Fuels- HSD & LDO	Both A and B	75	75	
	Furnace Oils- LSHS & FO	Both A and B	150	100	
CO (at 15% O ₂), mg/Nm ³	Both A and B		150	150	
Sulphur Content in fuel	A			< 2%	
	B			< 4%	
Fuel specification	For A only	Up to 5MW	Only Diesel fuels (HSD, LDO) shall be used.		
Stack height (for generator sets commissioned after 1.7.2003)	Stack height shall be maximum of the following, in meter: (i) $14 Q^{0.3}$, Q= Total SO ₂ emission from the plant in kg/hr. (ii) Minimum 6 m. above the building where generator set is installed. (iii) 30 m.				

K. Mandal / 21-03-2023
Senior Environmental Engineer
Bio-medical Waste Management Cell
West Bengal Pollution Control Board

Senior Environmental Engineer
Bio-medical W.M. cell

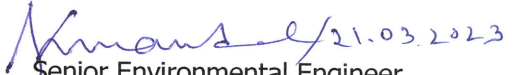
ADDITIONAL CONDITION

Annexure II to 'Consent to Operate' Sl. No.: CO128816

Special Conditions issued to:- M/s. Medicare Environmental Management Pvt. Ltd.
Mangalpur, P. O & P. S- Ranigunj,
Paschim Bardhaman- 713347

1. The unit should follow the Revised Guidelines for Common Bio-medical Waste Treatment and Disposal Facilities and also the Guidelines for Bar Code System for Effective Management of Bio-medical Waste published by the Central Pollution Control Board in December, 2016 and April, 2018 respectively.
2. The unit should not operate the new 1 x 250Kg/hr capacity incinerator and 1 x Autoclave without obtaining Environmental Clearance, Consent to Establish and Consent to Operate.

The unit should not operate the new 1x Shredder and 1 x 200KVA D. G set without obtaining Consent to Establish and Consent to Operate.
3. Hazardous Waste Authorization should be obtained by the unit as per the Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016, as amended.
4. The unit should comply with the terms & conditions stipulated in the previous consent to Operate vide memo no. 31/2S/CON(BM)- 2121/2007 dated 14/08/2018 properly.
5. The unit should comply with the Bio-medical Waste Management Rules, 2016 and its amendments.
6. Real time CEMS (Continuous Emission Monitoring System) data shall be transmitted to CPCB/WBPCB.


Senior Environmental Engineer
Bio-medical Waste Management Cell
West Bengal Pollution Control Board

Senior Environmental Engineer
Bio-medical W.M. cell