WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan', 10A, Block – LA, Sector III
Bidhannagar, Kolkata - 700 106

[Renewal] CO123299

Memo No.: 31-25/CON(BM)-1183/2001 **Date** 21.10.2022

Consent to **Operate for Health Care Establishments** 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 & Control of Pollution) Act, 1974, as amended and Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, as amended and Rules and Orders made thereunder hereby

grants its Consent to : ID & BG Hospital

for its unit located at 57, Beliaghata Main Road, P.O & P.S- Beliaghata, Kolkata-700010

for a period from date of issue to 31/03/2027 to operate the Health Care Establishment and to discharge liquid effluent through two nos. of outlets/outfalls to KMC Sewer (place of discharge) and to emit the gaseous emissions through stack(s) attached to 1X320 KVA D.G set

in accordance with the conditions as mentioned in the consent provided on any day at any instance the quality and quantity of liquid discharge and gaseous emission shall not exceed the permissible limit as specified in the Environment (Protection) Act. 1986

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

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

Bed Capacity - 660 nos.

Conditions :

01. The consent is granted to carry on – nos. of Pathological/diagnostic tests/treatment of – nos. of patients per month.

02. The applicant shall take adequate measures to treat/store/dispose off 709.0 kgs per day of Bio-medical wastes generated from the health care establishment as specified in the Rules.

03. The applicant shall remain responsible for the quantity and quality of liquid effluent and gaseous emission.

04. To bring any change in the unit, stacks, place or point of discharge of effluent etc. the applicant shall obtain prior permission of the State Board.

05. The applicant shall take adequate measures to maintain the quality of the liquid effluent as specified below:

Parameters	Permissible standards	Frequency of Sampling
pH range	6.5 to 9.0	Yearly
TSS	Conc. not exceed 100 mg/l	
BOD	Conc. not exceed 30 mg/l	
COD	Conc. not exceed 250 mg/l	
Oil & Grease	Conc. not exceed 10 mg/l	
Bio-assay test	90% survival of fish after 96 hours in 100% effluent	

06. The applicant shall take adequate measures to maintain the quality of gaseous emissions as specified below : P.P. See Annexure I

Stack attached to	Stack height in metre from G.L.	Concentrations [in mg/Nm³] of parameters not to exceed					Frequency of Sampling
		SPM	SO_2	NO_2	HCL	*Conditions*	
						at 12% CO_2 correction/CO1%v/v [strike out whichever is not applicable]	
						at 12% CO_2 correction/CO1%v/v [strike out whichever is not applicable]	
						at 12% CO_2 correction/CO1%v/v [strike out whichever is not applicable]	

07. The applicant shall maintain the noise levels from its own sources within the premises within the limit given below :

Time	Limit in dB (A) Leq
Day Time (06 a.m. to ~~09~~ 10 p.m.)	50
Night Time (~~09~~ 10 p.m. to 06 a.m.)	40

08. Noise levels from the DG set should be controlled by providing an acoustic enclosure or by treating the room acoustically. Installation of DG Set must be strictly in compliance with the recommendations of the manufacturer, A proper routine and preventive maintenance procedure for the DG Set should be set and followed in consulation with the DG Set manufacturer to prevent noise levels from deterioration with use.

09. The applicant shall maintain good house keeping, good working condition and take adequate measures to control pollution from all sources.

10. The applicant shall allow the officers of the Board to enter into applicant's premises at any reasonable time for inspecting the unit.

11. The applicant shall make an application to the State Board in the prescribed form for renewal of the consent at least ~~60 (sixty)~~ 120 (one hundred twenty) days before the date of expiry of this consent.

12. The establishment shall not undertake any expansion, modification or alteration in the existing process or equipment without the prior permission of the W.B.Pollution Control Board.

13. The State Board reserves the right to revoke this consent if at any time it is found that the health care establishment is not meeting the standards as mentioned byW.B.P.C.B. or if the pollution control equipment are found to be inoperative.

14. The applicant shall obtain Authorisation for the generation, collection, reception, storage, transportation, treatment and disposal or any other form of handling of Bio-medical waste under the provisions of Bio-Medical Waste (Management ~~& Handling~~) Rules, ~~1998~~ 2016 and its amendments thereafter from the Board.

15. P.P. See Annexure II.

Seal

For and an behalf of the State Board

21.10.2022

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

Senior Environmental Engineer
Bio-medical W.M. cell

ANNEXURE I to 'Consent to Operate', Sl. No. CO123299

Name of the unit: ID & BG Hospital
57, Beliaghata Main Road,
P. O & P. S- Beliaghata, Kolkata- 700010

a. For DG set below 800 kW H = h + 0.2 x √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.				

21.10.2021
Senior Environmental Engineer
Bio-medical Waste Management Cell
West Bengal Pollution Control Board

Senior Environmental Engineer
Bio-medical W.M. cell

Annexure II to 'Consent to Operate' Sl. No. CO123299

Additional Conditions issued to: ID & BG Hospital
57, Beliaghata Main Road,
P. O & P. S- Beliaghata, Kolkata- 700010

1. The unit should comply with the Order of the Hon'ble National Green Tribunal vide O. A No. 120/2015/EZ (M.A. No. 1187/2016/EZ) dated 22-07-2021 and the conditions stipulated in the previous 'Consent to Operate' vide memo no. 09/2S/CON(BM)-1183/2001 dated 31/07/2017.

2. Guidelines for Management of Healthcare Waste as per Biomedical Waste Management Rules, 2016 published by the Central Pollution Control Board should be followed.

21.10.2022

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

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