

WEST BENGAL POLLUTION CONTROL BOARD

'Paribesh Bhawan'

Bldg. No. - 10A, Block - LA, Sector-III

Salt Lake City, Kolkata-700 098



Consent Letter Number : CO128818

Memo Number : 25-2S/CON(BM)-40/2023

Date : 21.06.2023

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 :

SNG Environmental Private Limited

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

(hereinafter referred to as Applicant) for its unit located at Mouza - Saharjora, P.O & P.S -

Barjora, Bankura - 722202

(Detailed address of the manufacturing unit)

for a period from date of issue to 30/06/2028

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

[Signature] / 21.06.2023

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

Senior Environmental Engineer
Bio-medical W.M. cell

ANNEXURE

Consent to SNG Environments Private Limited
 for its unit at Mouza - Saharjora, P.O & P.S - Barjora,
Bankura - 722202

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 250 kg/hr.</u>
02		<u>Autoclave - 1000lit/batch</u>
03		<u>Shredder - 250 kg/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 N/A (Recycled) KL.

04. Daily discharge of domestic liquid effluent shall not exceed 4.00 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 — 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.

Mansel/21.06.2023
 (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)
 Senior Environmental Engineer
 Bio-medical W.M. cell

Continued.....

Consent to ⁽³⁾ SNG Enviro Solutions Private Limited
 for its unit at Mouza - Saharjora, P.O & P.S - Barjora,
Bamkura - 722202

Table-I

Outlet No.	Nature of effluent	Parameters	Standard	Frequency of effluent sampling
-	Domestic	pH	Between: 5.5 to 9.0	yearly
		Total Suspended Solids	Not to exceed: 100 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/washing effluent to be recycled after treatment in effluent treatment plant and maintain permissible limit as mentioned below:-				
-	Industrial/washing	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: 250 mg/lit	
		Bio-assay test	90% survival of fish after 96 hours in 10% 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 → 11.00KL
(Water used for gardening should be included in this category of use)
- Domestic purpose → 5.00KL
- 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.

Kumarsal/21.06.2023
 (Member Secretary/Chief Engr./ Sr. Env. Engr. / Env. Engr. / Asst. Env. Engr.)

Senior Environmental Engineer
 Bio-medical W.M. cell Continued.....

Consent to SNG Environmental Private Limited
for its unit at Mouza- Saharjora, P.O & P.S- Barjora,
Bankura- 722202

- 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)	NOx (ppm)	H ₂ S (ppm)	Total Dioxins & Furans (at 11% O ₂)	Hg and its compounds	
S-1	30m	1 x 250 kg/hr capacity HSD fired Incinerator			50	400	50	0.1 mg TEQ/Nm ³ (at 11% O ₂)	0.05	Quarterly
S-2	6m	1 x 100 KVA D-G set			Pl. see Annexure I					
S-3										
S-4										
S-5										
S-6										
S-7										
S-8										
S-9										
S-10										

Mumtaz / 21.06.2021

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

Senior Environmental Engineer
Bio-medical W.M. cell

Continued.....

Consent to SNG Enviro solutions Private Limited
 for its unit at Moliza - Saharjora, P.O & P.S - Barjora,
Bankura - 722202

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	3KL	Incinerator
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	250 kg/day	—	To be disposed off through CHWTSDF
② ETP Sludge	2.5 TPA	—	Through registered recycler
③ Spent oil	—	—	To be disposed off in environmentally safe manner & maintain records
④ Municipal waste	20kg/day	—	

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 09 p.m.)	65
Night Time (09 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.)

Anand / 21.06.2023
 Senior Environmental Engineer
 Bio-medical W.M. cell

Continued.....

ANNEXURE I to 'Consent to Operate' Sl. No. CO128818

Name of the unit: M/s. SNG Envirosolutions Private Limited
 Mouza- Saharjora, P. O & P. S- Barjora,
 Bankura- 722202.

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.				

Kumarsal 21.02.2023
 Senior Environmental Engineer
 Bio-medical Waste Management Cell
 West Bengal Pollution Control Board

Senior Environmental Engineer
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