

ENVIRONMENTAL  
CLEARANCE



Government of India  
Ministry of Environment, Forest and Climate Change  
(Issued by the State Environment Impact Assessment  
Authority(SEIAA), WEST BENGAL)

To,

The Director  
SNG ENVIROSOLUTIONS PRIVATE LIMITED  
29A Ballygunge Circular Road Flat 1-A (Block B) Kolkata -700019

**Subject:** Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/WB/INFRA2/425680/2023 dated 13 Apr 2023. The particulars of the environmental clearance granted to the project are as below.

- |  |  |
|--|--|
| 1. EC Identification No.                   | EC24B057WB196475   |
| 2. File No.                                | EN/T-II-1/038/2022   |
| 3. Project Type                            | New  |
| 4. Category                                | B  |
| 5. Project/Activity including Schedule No. | 7(d)(a)Common Bio-Medical Waste Treatment Facility   |
| 6. Name of Project                         | Common Bio Medical Waste Treatment Facility at Siliguri Zone proposed by M/S SNG Envirosolutions Private Limited |
| 7. Name of Company/Organization            | SNG ENVIROSOLUTIONS PRIVATE LIMITED  |
| 8. Location of Project                     | WEST BENGAL  |
| 9. TOR Date                                | N/A  |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 14/03/2024

(e-signed)  
DHARMDEO RAI, I.F.S.  
Member Secretary  
SEIAA - (WEST BENGAL)

*Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.*

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PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,  
and Virtuous Environmental Single-Window Hub)



*Environmental Clearance for the proposed Common Bio Medical Waste Treatment Facility at Plot No- 562, Mouza - Sannasikata, J.L. No. - 27, P.S. - Rajganj, Dist. – Jalpaiguri, West Bengal, by M/s. SNG Envirosolutions Pvt. Ltd.*

### Background of the project

The proponent made online application vide proposal no. SIA/WB/INFRA2/425680/2023 dated 13 April 2023 seeking Environmental Clearance (EC) under the provisions of the EIA Notification, 2006 for the proposed Common Bio Medical Waste Treatment Facility at Plot No- 562, Mouza - Sannasikata, J.L. No. - 27, P.S. - Rajganj, Dist. – Jalpaiguri, West Bengal, by M/s. SNG Envirosolutions Pvt. Ltd.

The proposal is for Common Bio Medical Waste Treatment Facility at Plot No- 562, Mouza - Sannasikata, J.L. No. - 27, P.S. - Rajganj, Dist. – Jalpaiguri, West Bengal.

The project proponent (PP) had obtained Terms of References (TORs) issued by SEIAA, West Bengal vide File No. EN/T-II-1/038/2022 dated 17.06.2022 against proposal no. SIA/WB/MIS/77516/2022.

Salient features of the proposed project as per the EIA report as uploaded in the PARIVESH portal may be summed up as below:

Brief description of the project	Proposed Project for setting up of Common Bio-Medical Waste Treatment Facility (CBWTF) includes Incinerator, Autoclave, Shredder and Effluent Treatment Plant.		
Project Location	Proposed Project Site is located at Plot No. 562, Mouza- Sannasikata, J.L. no 27, P.S.- Rajganj, Dist. – Jalpaiguri, West Bengal. <b>Site Co-ordinates are: -</b> 26°34'19.75"N- 88°26'20.40"E 26°34'19.73"N- 88°26'25.10"E 26°34'18.22"N- 88°26'25.04"E 26°34'18.23"N- 88°26'20.42"E 26°34'17.01"N- 88°26'20.66"E 26°34'16.97"N- 88°26'21.51"E Toposheet Number: NG45-7 & NG46-8		
Proposed Plant Capacity	<b>Particular</b>	<b>Number</b>	<b>Capacity</b>
	Incinerator	02	250 Kg/hr
	Autoclave	01	1000 Ltr/batch
	Shredder	01	250 Kg/hr
	Effluent Treatment Plant	01	20 KLD
Total Plant Area	1.74 Acres		
Power Demand	0.1 MW ( <b>Source: WB State Electricity Board</b> ) 100 kVA DG set to be maintained as an emergency alternative source		
Water Demand	16 KLD <b>Source: Ground Bore Well</b>		
Waste water generation	The wastewater generated from Floor washing, Vehicle washing, and autoclave will be treated through ETP having capacity of 20 KLD and domestic water will be disposed through septic tank followed by soak pit.		
Air pollution control system	The incinerator shall be provided with dry scrubbing system and having a minimum stack height of 30 m from GL.		
Manpower	40 persons		
Total Cost of the project.	Approx Rs. 6 Crores		

State Level Environment Impact Assessment Authority (SEIAA), West Bengal examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14<sup>th</sup> September, 2006 of Ministry of Environment & Forests, GOI and the subsequent amendments, on the basis of above mentioned features along with other details submitted to SEIAA subject to strict compliance of the terms and conditions mentioned below.

## **I. Statutory compliance:**

- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent has to obtain necessary land conversion from the competent authority for the entire project area prior to starting of construction activity. WBPCB is requested not to issue Consent to Operate (CTO) till the project proponent obtains necessary land conversion for the entire project area.
- iii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iv. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (in case of the presence of schedule-I species in the study area)
- v. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.
- vi. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2016 including the section 129 to 137 of Central Motor Vehicle Rules 1989.
- vii. Project shall fulfill all the provisions of hazardous Wastes (Management, handling and Transboundary Movement) Rules, 2016 including collection and transportation design etc. and also guidelines for Common Hazardous Waste Incineration — 2005, issued by CPCB Guidelines of CPCB/MPPCB for Bio-medical Waste Common Hazardous Wastes incinerators shall be followed.
- viii. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
- ix. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
- x. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

## **II. Air quality monitoring and preservation**

- i. The project proponent shall install emission monitoring system including Dioxin and furans to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.

- iii. Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
- iv. Venturi scrubber (alkaline) should be provided with the incinerator with stack of adequate height (Minimum 30 meters) to control particulate emission within 50mg/Nm<sup>3</sup>.
- v. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards. All necessary air pollution control devices (quenching, Venturi scrubber, mist eliminator) should be provided for compliance of emission standards.
- vi. Masking agents should be used for odour control.

### **III. Water quality monitoring and preservation**

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Waste water generated from the facility shall be treated in the ETP and treated waste water shall be reused in the APCD connected to the incinerator. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero discharge should be maintained.
- iii. Process effluent/any waste water should not be allowed to mix with storm water.
- iv. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- v. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.
- vi. A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.
- vii. The leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
- viii. Magnetic flow meters shall be provided at the inlet and outlet of the ETP & all ground water abstraction points and records for the same shall be maintained regularly.
- ix. Rain water runoff from hazardous waste storage area shall be collected and treated in the effluent treatment plant.

### **IV. Noise monitoring and prevention**

- i. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

### **V. Energy Conservation measures**

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas

### **VI. Waste management**

- i. Incinerated ash shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the Ministry prior to the commencement.
- ii. The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016.

- iii. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
- iv. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016
- v. No landfill site is allowed within the CBWTF site.
- vi. The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.

## **VII. Green Belt**

- i. Green belt shall be developed in area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.

## **VIII. Public hearing and Human health issues**

- i. Feeding of materials/Bio-medical waste should be mechanized and automatic no manual feeding is permitted.
- ii. Proper parking facility should be provided for employees & transport used for collection & disposal of waste materials.
- iii. Necessary provision shall be made for fire-fighting facilities within the complex.
- iv. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- v. Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or environment from fires, explosion or any unplanned sudden or gradual release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- vi. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project (Photographic evidence to be included in 6 monthly compliance report).
- vii. Occupational health surveillance of the workers shall be done on a regular basis (Photographic evidence to be included in 6 monthly compliance report).

## **IX. Environment Management Plan (EMP)**

- i. The project proponent should submit the proposed EMP on a six-monthly basis. The Office Memorandum issued by the MoEF & CC vide F. No. 22-65/2017-IA.III dated 30.09.2020 should be strictly followed.
- ii. Need based activities for local people is part of the EMP. Details of such activities submitted by the project proponent is given in Annexure-1.
- iii. The project proponent shall install display board for display of all the environmental parameters including sensor-based air, water and noise quality monitoring stations within their premises.
- iv. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/conditions. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the Regional Office of Ministry of Environment, Forest and Climate

Change (MoEF&CC) along with State Level Environment Impact Assessment Authority (SEIAA) and West Bengal Pollution Control Board (WBPCB) as a part of six-monthly report.

- v. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- vi. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose.
- vii. Year wise progress of implementation of action plan shall be reported to the Regional Office of MoEF&CC along with SEIAA and WBPCB along with the Six Monthly Compliance Report.
- viii. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

#### **X. Additional conditions**

##### **Water and wastewater**

- 1) Storm water/ runoff water management plan, drainage system and discharge point to be submitted.
- 2) Membrane backwash and sand filter backwash water to be shown in water balance
- 3) The efficacy of chemical (hypo) dosing for complete disinfection to be guaranteed. MSDS of chemical used to be provided.
- 4) Type and details of membrane should be specified to ensure proper treatment.
- 5) The site layout plan to be revised showing location of the RWH tank and other services.
- 6) The expected quality of effluent at inlet and outlet of ETP needs to be indicated.
- 7) Groundwater level monitoring for the wells where quality monitoring have been proposed to be done and they should be submitted along with the six monthly compliance report.

##### **Green-belt**

- 8) The 'Area D of suitable grass' marked in presentation slide no. 61 may retain the existing plant cover so that existing land cover may be minimally disturbed.
- 9) The *Hamelia patens* mentioned in the tree list (slide no. 62) should be replaced by a suitable tree as it is a shrub.

##### **Air pollution and control**

- 1) Monitoring report of dioxin and furan to be submitted along with the six monthly compliance report.

##### **Need based activity/ Social component of EMP**

- 2) Cost incurred for need-based activities, community outreach programmes, social components of EMP as per the Office Memorandum of MoEF & CC vide F. No. 22-65/2017.IA.III dated 30.09.2020 to be submitted along with the six monthly compliance report.

#### **XI. Miscellaneous**

- i. The environmental clearance accorded shall be valid for a period of 10 years for the proposed project.
- ii. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEF&CC/SEIAA website where it is displayed.

- iii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iv. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the MoEF&CC at environment clearance portal with a hard copy to SEIAA/WBPCB.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The criteria pollutant levels namely; SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- viii. The project proponent shall inform the Regional Office of the MoEF&CC along with SEIAA and WBPCB, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- ix. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- x. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the State Expert Appraisal Committee (SEAC).
- xi. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA.
- xii. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiii. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiv. The SEIAA reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xv. The Regional Office of the MoEF&CC/SEIAA/WBPCB shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office of MoEF&CC/SEIAA/WBPCB by furnishing the requisite data / information/monitoring reports.

*Environmental Clearance for the proposed Common Bio Medical Waste Treatment Facility at Plot No- 562, Mouza - Sannasikata, J.L. No. - 27, P.S. - Rajganj, Dist. – Jalpaiguri, West Bengal, by M/s. SNG Envirosolutions Pvt. Ltd.*

- xvi. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.
- xvii. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- xviii. The contact details of the proponent and the name of the consultant are given below:

Name of the Contact person with Designation	Mr. Surendra Prasad Singh, Director
Address	SNG ENVIROSOLUTIONS PRIVATE LIMITED 29A Ballygunge Circular Road Flat 1-A (Block B) Kolkata- 700019.
Email	<a href="mailto:sngenviro@gmail.com">sngenviro@gmail.com</a> <a href="mailto:jalpaiguricbwtf@gmail.com">jalpaiguricbwtf@gmail.com</a>
Telephone Number	9830167737
Name of the Environmental Consultant	M/s. Shivalik Solid Waste Management Limited



**Annexure-1**

**NEED BASED ACTIVITIES FOR LOCAL PEOPLE**

Sl. No.	Activities	Details	Capital Cost	Recurring Cost (5 years)	Total Amount (Lakhs)
1.	Training on Biomedical Waste Awareness Programs	Environmental awareness including MSW segregation by organizing lectures of Experts.	--	0.08 0.40	<b>0.40</b>
2.	Provision of Toilet facility with running water Provision of Sanitary Napkin Incinerator in girls' school Provision of Solar lights Provision of Drinking water facilities	Construction & maintenance of separate toilets for girls will be provided with water facility in two schools: Sannasikata High school, and Futkibari Government Primary school.	2.50	0.20 1.0	<b>3.50</b>
		2 Sanitary napkin incinerator/vending machine shall be provided in two local schools for easy Eco-friendly method and safe disposal of sanitary napkins.	0.35	0.05 0.25	<b>0.60</b>
		2 Solar streetlights will be provided in two schools.	0.50	0.05 0.30	<b>0.85</b>
		Provision of water supply in two schools and regular maintenance of clean drinking water supply.	0.50	0.05 0.25	<b>0.65</b>
		Construction of Village Road	Construction and maintenance of Village Road	3.00	0.60 3.0
	<b>Total</b>		<b>6.85</b>	<b>5.15</b>	<b>12.0</b>

Signature Not Verified

Digitally signed by: SHRI DHARMDEO RAI, I.F.S.  
Designation: Member Secretary  
Date and Time: 3/14/2024 3:01:05 PM