

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Pranisampad Bhaban, 5th floor, LB-2, Sector-III,

Salt Lake, Kolkata-700 106.

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No. 42 /EN/T-II-1/107/2018

Date: 08 /01 /2021

To: M/s RVD Waste Tech Private Ltd.
Shyam Vatika, 397/1/1, Dukshindari Road,
Sreebhumi, 3rd Floor, Flat B/3
Kolkata – 700 048

Sub: Application for Environmental Clearance for the proposed Establishment of Common Biomedical Waste Treatment Facility by M/s RVD Waste Tech Pvt. Ltd. at Plot No. 125 and 128, Mouza – Khirgram, Block – Mongalkote, Sub-division: Katwa, District: Purba Bardhaman, West Bengal.

Sir,

This has a reference to your application hardcopy of which was submitted to SEIAA on 17.12.2018 and subsequent communications for Environmental Clearance (EC) for the proposed Establishment of Common Biomedical Waste Treatment Facility at Plot No. 125 and 128, Mouza – Khirgram, Block – Mongalkote, Sub-division: Katwa, District: Purba Bardhaman, West Bengal.

The proposal has been examined and processed in accordance with the EIA Notification, 2006. The proposal is for Establishment of Common Biomedical Waste Treatment Facility. The proposed project capacity would be 9.6 MT/day @ incinerator capacity of 400 kg/Hr. to treat maximum incinerable waste quantity of 4000-5000 kg/Day from 20,000 beds approximately. The quantity of incinerable waste generated would be approximately 200-250 gms/bed/day. The project will include setting up of the following equipments:

- Incinerator - 1 – 250 kg/hr
- Incinerator - 2 – 150 kg/hr
- Autoclave – 640 lt/batch
- Shredder – 250 kg/hr

Salient features of the proposed expansion project are :

- i. Location of the Site – JL No. 128, Plot No. 125 & 128, Mouza – Khirgram, Block – Mongalkote, Sub-division – Katwa, Dist. Purba Bardhaman, West Bengal.
- ii. Latitude & Longitude- 23°31'15.03" N & 88°01'01.10" E
- iii. Built Up area – 1677.75 Sqm. (0.41458 acres)
- iv. Land Area – 0.44 ha. i.e. 1.09 acres. Green belt-33% (0.36 acres).
- v. Project cost – Rs. 10 crores
- vi. Air Pollution Control Devices – Multicyclone & Quenching, Wet Scrubber, Venturi Scrubber, Cyclonic Droplet Separator and stack of height minimum 30m from GL.
- vii. Water Requirement – 50 CMD (Fresh – 14 CMD & Recycled – 36 CMD) (groundwater)
- viii. Wastewater generated – 44 CMD
- ix. Manpower requirement- Full Time Employees 70; Contract Employees: As per requirement.
- x. Effluent – Process: To be treated in adequately designed effluent treatment plant of capacity 50 KLD and recycled. Zero discharge condition to be maintained. Domestic: to be discharged through septic tank to soak pit.

Member Secretary, State Level Environmental Impact Assessment Authority

- x. Solid Waste – Incinerator ash and ETP sludge should be stored in a separate area under shed and disposed to authorised TSDF. Other solid wastes will be disposed off as per the rules.
- xii. Backup Power– 62.5 KVA D.G. set to be used in emergency as alternative power source.

State Level Environment Impact Assessment Authority (SEIAA), West Bengal, hereby, recommends environmental clearance for the proposed project as per the provision of Environmental Impact Assessment Notification 2006 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.

SPECIFIC CONDITIONS:

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 shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. 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)
- iv. 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.
- v. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 20016 including the section 129 to 137 of Central Motor Vehicle Rules 1989.
- vi. 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.
- vii. 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.
- viii. 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.
- ix. 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/Nm³.
- 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.
- ii. At least 225 number of trees (as proposed) to be planted and maintained in the green belt area of 0.36 acres. Indicative list of trees for plantation is given in annexure 1.

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.
- vii. Occupational health surveillance of the workers shall be done on a regular basis.

IX. Environment Management Plan

- i. Need based activities for local people is part of the EMP. Details of such activities submitted by the Project Proponent is given in Annexure-2.
- ii. The company shall have a well laid down environmental policy duly approved 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.
- iii. 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.
 - iv. 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.
 - v. 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.
 - vi. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- i. The environmental clearance accorded shall be valid for a period of 7 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, SO₂, NO_x (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.

Proposed conditions for Environmental Clearance for the proposed Establishment of Common Biomedical Waste Treatment Facility at Plot No. 125 and 128, Mouza - Khirgram, Block - Mongalkote, Sub-division: Katwa, District: Purba Bardhaman, West Bengal, by M/s. RVD Waste Tech Pvt. Ltd.

- 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.
- 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.

Proposed conditions for Environmental Clearance for the proposed Establishment of Common Biomedical Waste Treatment Facility at Plot No. 125 and 128, Mouza - Khirgram, Block - Mongalkote, Sub-division: Katwa, District: Purba Bardhaman, West Bengal, by M/s. RVD Waste Tech Pvt. Ltd.

xviii. The contact details of the proponent and the name of the consultant are given below -

Name of the Contact person with Designation	Mr. Ramakant Burman, Director
Address	Shyam Varika, 397/1/1, Dakshindari Road, Sreebhumi, 3 rd Floor, Flat - B/3, Kolkata - 700 048
Email	rvdwastetech@gmail.com
Telephone Number; Fax Number	033-2521 8280,
Name of the Environmental Consultant	M/s. Equinox Environments (I) Pvt. Ltd.

Yours Sincerely,


(Niraj Singhal, IFS)
Chief Environment Officer &
Member Secretary, SELAA

No. 42/1(4)/EN/T-II-1/107/2018

Date: 08/01/2021

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
1. Secretary, SEAC & M.S. WBPCB
2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharpur, Bhubaneswar - 751 023, Orissa.
3. Member Convener, Monitoring Committee for Environmental Clearance, WBPCB.
4. Guard file / Record file.

Sd/-
Chief Environment Officer &
Member Secretary, SELAA

Annexure - I

A. LIST OF TREES FOR PLANTATION

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	<i>Mimusops elengi</i>	Bakul	15
2.	<i>Lagerstroemia speciosa</i>	Jarul	15
3.	<i>Alstonia scholaris</i>	Chatim	35
4.	<i>Cassia fistula</i>	Amaltas	35
5.	<i>Bauhinia variegata</i>	Kanchan	25
6.	<i>Azadiracta indica</i>	Neem	25
7.	<i>Polyalthia longifolia</i>	Devdaru	75
Total			225


Member Secretary, State Level Environmental Impact Assessment Authority

Need based activities for local people

Sl No.	Need based activities	Total Cost	Year	Year	Year
			2020	2021	2022
		(Rs. Lakh)			
1	Facility of health checkup for nearby villagers and residents of the region: Provision for health checks up facility in three villages. 3 Villages X 1.5 Lakhs=4.50 Lakhs	4.50	1.50	1.50	1.50
2	Provision of good and enhanced educational facilities in nearby villagers and residents of the region : Provision for good & enhanced educational facility in three villages. 3 Villages X 2 Lakhs=6.00 Lakhs	6.00	2.00	2.00	2.00
3	Provision of Solid Waste Management Infrastructure : Providing MS storage containers of size 2 X 1.5 X 1.2 M with cover lid/ side opening arrangements, Two containers /village. Industry shall provide Disposal vehicle system with lifting arrangement & shall dump the containers at processing site of each village. MS Containers – 3.6 Cu.M. capacity, 2 containers X 3 Villages – 6 containers, 6 containers X Rs.1.3 Lakh/container=Rs.7.80 Lakhs	7.80	2.80	2.50	2.50
4	Provision for environment awareness campaign & conservation of ecology & biodiversity : For creating environment awareness in locals: particularly youth generation and socially active members	1.70	0.5	0.70	0.5
Total (2.0% of capital investment – Rs. 10.00 Crs.)		20.0	6.80	6.70	6.50