



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

To,

The Partner
M/S AV BIOMEDICAL WASTE SERVICES
1 F 964 Vardan Khand, Gomti Nagar Extension -226010

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/UP/INFRA2/414658/2023 dated 17 Jan 2023. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC23B057UP186256 |
| 2. File No. | 7548-6494 |
| 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 | Environmental Clearance of Proposed Common Bio Medical Waste Treatment Facility (CBWTF) at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, U.P., M/s AV Biomedical Waste Services. |
| 7. Name of Company/Organization | M/S AV BIOMEDICAL WASTE SERVICES |
| 8. Location of Project | UTTAR PRADESH |
| 9. TOR Date | N/A |

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

Date: 27/03/2023

(e-signed)
Member Secretary
Member Secretary
SEIAA - (UTTAR PRADESH)

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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State Level Environment Impact Assessment Authority, Uttar Pradesh

Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow- 226010

E-Mail- doeuplko@yahoo.com, seiaaup@yahoo.com

Phone no- 0522-2300541

Reference- MoEFCC Proposal no- SIA/UP/INFRA2/414658/2023 & SEIAA, U.P File no-7548-6494

Sub: Environmental Clearance for Proposed Common Bio Medical Waste Treatment Facility (CBWTF) at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, U.P., M/s AV Biomedical Waste Services.

Dear Sir,

This is with reference to your application / letter dated 10-08-2021, 27-09-2021, 17-01-2023, 23-01-2023 on above mentioned subject. The matter was considered by 723th SEAC in meeting held on 24-01-2023 and 699th SEIAA meeting held on 27-02-2023.

A presentation was made by the project proponent along with their consultant M/s India Glycols Limited, Kashipur to SEAC on 24-01-2023.

Project Details Informed by the Project Proponent and their Consultant

The project proponent, through the documents and presentation gave following details about their project –

1. The environmental clearance is sought for Common Bio Medical Waste Treatment Facility (CBWTF) at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, U.P., M/s AV Biomedical Waste Services.
2. The terms of reference in the matter were issued by SEIAA, U.P. vide letter no. 473/Parya/SEIAA/6494/2021, dated 04/03/2022.
3. The public hearing was organized on 25/05/2022. Final EIA report submitted by the project proponent on 17/01/2023.
4. Consent to Establish for the project has been issued by UPPCB vide letter no. 132430/UPPCB/Gorakhpur(UPPCBRO)/CTE/MAHARAJGANJ/2021, dated 16/08/2021 and valid up to 27/06/2026.
5. Salient features of the project:

Total Plot Area	0.4758 ha or (1.18 Acre)		
Khasra Numbers	274 and 279		
Location	Village- Rajdhani, Post- Nautanwa, District- Maharajganj Uttar Pradesh		
Latitude	27° 22'12"N 27° 22'15"N		
Longitude	83°23'53"E 83°23'54"E		
Elevation	93 m		
Proposed plant capacity	Equipment	Capacity	Number
	Incinerator Double chamber	250 kg/hr	1
	Autoclave	1000 liter/Batch	1
	Shredder	150 kg/hr	1
	Chemical Disinfection Tank	1500 Ltr	1
	Effluent Treatment Plant	10 KLD	1
Nearest habituated area	Kavlahi, approx. 0.73 km towards SSW		
Nearest Main Public Road	NH-24, approx. 1.03 km in WNW direction		

Nearest Railway station/Airport	Barwa Kalan Railway Station, approx. 0.66 km towards North East Mahayogi Gorakhnath Airport is at a distance of 67 km (Aerial) from the project site in South.
Nearest water body	Rohini River, approx. 8.66 km towards East
Water requirement	Water requirement for the proposed CBWTF project is 11 KLD. (Fresh 7.1 KLD and Recycled 3.9 KLD)
Source of water	Water requirement will be met through bore wells
Wastewater Generation	Waste water generated from the treatment of Biomedical waste during colling of gases by Venturi and wet Scrubber autoclaving, washing of floors, etc. is 8 KLD and it shall be treated in effluent treatment plant and reuse in process
Man Power	During Construction phase, the labors and workers will be hired from nearby villages. Total 50 persons are proposed to be hired for plant operation including officers, skilled unskilled workers & temporary .
Air Pollution Control Device	Venturi and wet Scrubber, Cyclone separator and Mist eliminator
Nos. of Stack	2
Power requirement	DG Set of 82.5 KVA is proposed for the project and lines will be taken from the authorized electricity board. ~ 1% of the total power load will meet through solar energy.
Alternative site	No Alternative site is examined
Land form, Land use and land ownership	The land for project is located in Village- Rajdhani, Post- Nautanwa, District- Maharajganj Uttar Pradesh.
Conclusion	The estimated cost of the Project is Rs. 2.78 Cr.

6. Water calculation details:

S. No.	Requirement for	Water Consumption	Process Losses	Waste water generation	ETP losses	Recycled/ Reuse
A.	Process (Scrubbing)	2.40	1.40	1.00	0.20	0.80
B.	Steam Generation (Autoclaving)	0.20	0.05	0.15	0.05	0.10
C.	Miscellaneous i.e., Floor washing, Vehicle washing etc.	3.80	0.20	3.60	0.60	3.0
D.	Domestic Purpose	0.60	0.10	0.50	0.00	0.00
E.	Green Belt	4.0	4.0	0.00	0.00	0.00
Total (KL/Day)		11.0 7.10 (Fresh) + 3.90 (Recycled)	5.75	5.25	0.85	3.90
<ul style="list-style-type: none"> ▪ Waste water (4.75 KLD) is being generated from the Industrial Process will be subjected to Proposed ETP (Capacity- 10.0 KLD). Treated water from (3.90 KLD) will be reused in scrubber for cooling purpose and green belt purpose. ▪ The entire system shall be a zero discharge system in terms of wastewater discharge from the process as re-circulated through ETP. ▪ Domestic Wastewater shall be treated in a soak pit/septic tank. 						

7. Solid waste details:

Total No. of Employees	20
Assuming per capita solid waste generation rate as 0.2 kg/capita/day	
Quantity of solid waste generated	4.0 kg/day
Organic solid waste : 60 % of the total waste	2.40 kg/day
Inorganic solid waste : 40 % of the total waste	1.60 kg/day
Disposal of domestic solid waste	Domestic wastes are segregated at source, collected in bins and composted.

8. Hazardous waste details:

Sl. No.	Source	Quantity of hazardous waste Generated (Approx.)	Category according to Schedule I of hazardous waste	Treatment/ Disposal
1.	Spent Oil from DG set	5.0 MTPA	5.1	Handed over to authorized recyclers/re-processors
2.	Discarded Containers /Barrels	100 Nos./Annum	33.1	Handed over to authorized recyclers/re-processors
3.	Sludge from Wet Scrubbers	1.0 MTPA	37.1	Send to TSDF / Co processing industries.
4.	Ash from incinerator and flue gas cleaning residue	25.0 MTPA	37.2	Send to TSDF / Co processing industries.

9. The project proposal falls under category-7(da) of EIA Notification, 2006 (as amended).

Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC) held on 24-01-2023 the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held 27-02-2023 and recommended grant of environmental clearance on the proposal as above alongwith standard environmental clearance conditions prescribed by MoEF&CC, Gol and following additional conditions:

Additional Conditions:

1. To install online motoring system of incinerator.
2. Directions/suggestions given during public hearing and commitment made by the project proponent should be strictly complied.
3. The unit shall strictly comply with the CPCB guidelines for setting up the Common Bio-Medical Waste Treatment Facility (CBWTF).
4. Proponent shall strictly comply the design criteria for incinerator, autoclave, shedder and all other requirements including bar-coding etc. as per the CPCB guidelines.
5. The unit shall strictly ensure mercury waste management at health care facility as per the CPCB guidelines.
6. The unit shall establish Standard Operating Procedure for waste collection, handling transportation, treatment and disposal as per Biomedical Waste Management Rules 2016.
7. Zero Liquid Discharge (ZLD) status shall be maintained all the time.
8. The project proponent shall comply with the Environmental standards notified by MoEF&CC for incinerators along with the technology/guidelines.
9. The project proponent shall submit the schedule for training of various categories of employee involved in Bio-medical waste management at various levels of Bio-medical waste handling and treatment at Bio-Medical treatment facility within next 3 months to SEIAA U.P.
10. Authorization from UPPCB under Bio-medical waste (Management and Handling) rule, 2016 shall be obtained.
11. The unit shall develop 33% of plot area as a green belt within premises as per the CPCB guidelines.
12. The project proponent shall obtain the forest clearance and permission of Central and State Government as per law under the provisions of Forest (conservation) Act, 1980 before the start of work.
13. Proposed CBWTF shall comply with the revised guidelines issued by CPCB on December 21st 2016 with respect to location criteria.
14. In case, the number of beds is exceeding >10,000 beds in a locality and the existing treatment capacity is not adequate, in such a case, a new CBWTF may be allowed in such a locality in compliance with various provisions notified under the location. Environment (Protection) Act, 1986, to cater services only to such additional bed strength of the HCFs.

15. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. Gol and others) anti-smog guns shall be installed to reduce dust during excavation.
16. Proponent shall comply with the action plan and CSR plan submitted by PP/consultant at the time of EIA presentation.
17. The project proponent should develop green belt in the CBWTF unit as per the plan submitted and also follow the guidelines of CPCB/Development authority for green belt as per the norms.
18. Project proponent should invest the CSR amount as per the proposal and submit the compliance report regularly to the concerned authority/Directorate of environment.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

- I. Statutory compliance:
 1. The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
 2. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
 3. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and be 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)
 4. The project proponent shall obtain Consent to establish/Operate under the provisions of the Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
 5. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 20016 including section 129 to137 of Central Motor Vehicle Rules1989.
 6. The 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.
 7. 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.
 8. 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.
 9. 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:
 1. The project proponent shall install an emission monitoring system including Dioxin and furans in monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online serves and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
 2. Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.
 3. Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, 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.
 4. Venture scrubber (alkaline) should be provided with the incinerator with stack of adequate height

(Minimum 30 meters) to control particulate emission within 50 mg/Nm³.

5. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply with prescribed standards. All necessary air pollution control devices (quenching, Venturi scrubber, mist eliminator) should be provided for compliance with emission standards.
 6. Masking agents should be used for odour control.
- III. Water quality monitoring and preservation:
1. 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.
 2. 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.
 3. Process effluent/any waste water should not be allowed to mix with storm water.
 4. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from the competent authority shall be obtained for use of fresh water.
 5. A sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.
 6. 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.
 7. The leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
 8. 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.
 9. Rain water runoff from the hazardous waste storage area shall be collected and treated in the effluent treatment plant.
- IV. Noise monitoring and prevention:
1. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during night-time.
- V. Energy Conservation measures:
1. Provide solar power generation on roof tops of buildings, for the solar light system for all common areas, street lights, parking around the project area and maintain the same regularly;
 2. Provide LED lights in their offices and residential areas
- VI. Waste management:
1. Incinerated ash shall be disposed of at approved TSDF and MoU made in this regard shall be submitted to the Ministry prior to the commencement.
 2. The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016.
 3. 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 the project.
 4. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016
 5. No landfill site is allowed within the CBWTF site.
 6. The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCR/SPCB.
- VII. Green Belt:
1. Green belt shall be developed in the 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 bearing and Human health issues:

1. Feeding of materials/Bio-medical waste should be mechanized and automatic no manual feeding is permitted.
2. Proper parking facility should be provided for employees & transport used for collection & disposal of waste materials.
3. Necessary provision shall be made for fire-fighting facilities within the complex.
4. An emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
5. An emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health or the environment from fires, explosions or any unplanned sudden or gradual release of hazardous waste or hazardous waste constituents to air, soil or surface water.
6. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
7. Occupational health surveillance of the workers shall be done on a regular basis.

IX. Corporate Environment Responsibility:

1. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.1I I dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe 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. A copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of the six-monthly report.
3. 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.
4. Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-wise funds earmarked for environmental protection measures shall be kept in a separate account and not be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
5. A self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.

X. Miscellaneous:

1. 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 MoEFCC/SEIAA website where it is displayed
2. 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.
3. The project proponent shall upload the status of compliance with the stipulated environment

clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at the environment clearance portal.
5. 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.
6. The criteria pollutant levels namely; SPM, RSPM, SP, 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.
7. The project proponent shall inform the Regional Office as well as the Ministry, 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.
8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during Public hearings and also that during their presentation to the Expert Appraisal Committee.
10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
11. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
12. The Ministry may revoke or suspend the clearance if the implementation of any of the above conditions is not satisfactory.
13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
14. The Regional Office of this Ministry shall monitor compliance with the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports.
15. 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 Trans boundary 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.
16. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the provision of Environmental (Protection) Act, 1986.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Maharajganj. In case of violation; it would not be effective and would automatically be stand cancelled.

The project proponent has to ensure that the proposed site is not a part of any no- development zone as required/prescribed/identified under law. In case of the violation this permission shall automatically deemed to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this Clearance shall automatically deemed to be cancelled.

Further project proponent has to submit the regular 6 monthly compliance report regarding general & specific conditions as specified in the E.C. letter and comply the provision of EIA notification 2006 (as Amended).

These stipulations would be enforced among others under the provisions of Water (Prevention and

Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.

Copy, through email, for information and necessary action to –

1. **Additional Chief Secretary, Department of Environment, Forest and Climate Change, Government of Uttar Pradesh, Lucknow (email – psforest2015@gmail.com)**
2. **Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, 3rd Floor, Prithvi-Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 (email – sudheer.ch@gov.in)**
3. **Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector “H”, Aliganj, Lucknow – 226020 (email – roc.lko-mef@nic.in)**
4. **District Magistrate, Maharajganj.**
5. **Member Secretary, Uttar Pradesh Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (email – ms@uppcb.com)**
6. **Copy to Web Master for uploading on PARIVESH Portal.**
7. **Copy for Guard File.**

(Ajay Kumar Sharma)
Member Secretary, SEIAA

