

Half Yearly Compliance Report for Common Bio Medical Waste Treatment Facility (CBWTF) by M/s AV Biomedical Waste Services is located at Khasra No.-274 &279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, Uttar Pradesh

Category of the Project: 7(d)(a)

Area: 4758 Sqm.

EC Reference No. EC23B057UP186256

File No. - 7548-6494

Dated: 27/03/2023

Period- October 2023 to March, 2024



ENVIRONMENTAL CONSULTANT



RIAN ENVIRO PRIVATE LIMITED

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NABET ACCREDITATION NO.: NABET/EIA/2124/SA0197 VALID TILL 11/09/2024

Common Bio Medical Waste Treatment Facility (CBWTF) by M/s AV Biomedical Waste Services

Name of the Project- Common Biomedical Waste Treatment Facility (CBWTF) at Khasra No.- 274 & 279, Village- Rajdhani, Post- Nautanwa, District- Maharajganj, State- Uttar Pradesh																				
1.	EC letter No.	EC23B057UP186256																		
2.	CTE approval No.	132430/UPPCB/Gorakhpur(UPPCBRO)/CTE/MAHARAJGANJ/2021																		
3.	CTO approval No.	198603/UPPCB/Gorakhpur(UPPCBRO)/CTO/both/MAHARAJGANJ/2023																		
4.	Authorization letter	7548-6494																		
S.No.	Conditions	Reply																		
Additional Conditions:																				
01.	To install online monitoring system of incinerator.	Complied. Online monitoring system of incinerator attached as annexure 1.																		
02.	Directions/suggestions given during public hearing and commitment made by the project proponent should be strictly complied.	Action plan of commitment made by the proponent during public hearing is attached as annexure 2.																		
03.	The unit shall strictly comply with the CPCB guidelines for setting up the Common Bio-Medical Waste Treatment Facility (CBWTF).	Compliance as per guideline. Attached an annexure 3.																		
04.	Proponent shall strictly comply the design criteria for incinerator, autoclave, shedder and all other requirements including bar-coding etc. as per the CPCB guidelines.	Fully Complied as per the guideline. <table border="1" data-bbox="608 1265 1370 1610"> <thead> <tr> <th>Equipment</th> <th>Capacity</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Incinerator</td> <td>250 kg/hr</td> <td>1</td> </tr> <tr> <td>Autoclave</td> <td>1000 l/Batch</td> <td>1</td> </tr> <tr> <td>Shredder</td> <td>150 kg/hr</td> <td>1</td> </tr> <tr> <td>Chemical Disinfection Tank</td> <td>1500 Ltr</td> <td>1</td> </tr> <tr> <td>Effluent Treatment Plant</td> <td>10 KLD</td> <td>1</td> </tr> </tbody> </table>	Equipment	Capacity	Number	Incinerator	250 kg/hr	1	Autoclave	1000 l/Batch	1	Shredder	150 kg/hr	1	Chemical Disinfection Tank	1500 Ltr	1	Effluent Treatment Plant	10 KLD	1
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Effluent Treatment Plant	10 KLD	1																		
05.	The unit shall strictly ensure mercury waste management at health care facility as per the CPCB guidelines.	Mercury wastes are not treated in our facility. It will be managed by HCFs itself.																		
06.	The unit shall establish Standard Operating Procedure for waste collection, handling transportation, treatment and disposal as per Biomedical Waste	Complied and attached in Annexure 4.																		

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	Management Rules 2016.	
07.	Zero Liquid Discharge (ZLD) status shall be maintained all the time.	ZLD scheme has already been implemented. Treated water from ETP is being used in greenbelt development.
08.	The project proponent shall comply with the Environmental standards notified by MoEF&CC for incinerators along with the technology/guidelines.	Complied and diagram is attached in Annexure 5.
09.	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.	Training to the workers has already been provided. The records and photographs are attached as annexure 6.
10.	Authorization from UPPCB under Bio-medical waste (Management and Handling) rule, 2016 shall be obtained.	Authorization from UPPCB under Bio-medical waste (Management and Handling) rule, 2016 has been obtained. Attached as annexure 7.
11	The unit shall develop 33% of plot area as a green belt within premises as per the CPCB guidelines.	The plantation work is under progress and we have planned to develop greenbelt in 33% (0.157 ha.) of the total land area. The respective guidelines & norms will be complied and adhered with. Photographs of plantation work are attached as annexure 8.
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.	Not applicable.
13.	Proposed CBWTF shall comply with the revised guidelines issued by CPCB on December 21st 2016 with respect to location criteria.	Complied.

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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.	Gap analysis report from UPPCB is attached as annexure 9.
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. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.	No excavation has been carried out at project site. However arrangement has been done (water sprinkling) to control dust emission from vehicular movement etc.
16.	Proponent shall comply with the action plan and CSR plan submitted by PP/consultant at the time of EIA presentation.	Noted Expenses under the CSR will be done. Details of CSR activities done attached as annexure 10.
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.	The plantation work is under progress and we have planned to develop greenbelt in 33% (0.157 ha.) of the total land area. The respective guidelines & norms will be complied and adhered with.
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.	Noted Expenses under the CSR will be done in the coming year. Details of all CSR activities done will be submitted with next EC compliance report.

Standard Environmental Clearance Conditions prescribed by MoEF&CC:

I. Statutory compliance:		
1.	The project proponent shall	Not applicable to this project as no forest land is involved in

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	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.	the project
2.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.	No Wildlife Sanctuary or any National Park is located within the 10 km radius of the project site; hence this condition is not 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)	There is no schedule I species found within the study area of the project site, hence this condition is not applicable.
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.	Complied. CTE vide ref. no. 132430/UPPCB/Gorakhpur (UPPCBRO)/CTE/MAHARAJGANJ/2021 dated 16/08/2021 with validity up to 26/07/2026 & CTO vide ref. no.198603/UPPCB/Gorakhpur(UPPCBRO)/CTO/both/MAHARAJGANJ/2023 dated 16/01/2024 with validity up to 31/12/2027 has been obtained from Uttar Pradesh Pollution Control Board. Copy of CTE & CTO attached as annexure 11.
5.	Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2016 including section 129 to 137 of Central Motor Vehicle Rules 1989.	Noted Transportation and handling of Bio-medical Wastes will be done as per the Biomedical Wastes (Management and Handling) Rules, 2016 including section 129 to 137 of Central Motor Vehicle Rules 1989. Copy of Standard Operating Procedure for waste collection, handling transportation, treatment and disposal as per Biomedical Waste Management Rules 2016 attached as annexure 4.
6.	The project shall fulfil all the provisions of hazardous Wastes (Management,	Complied. Copy of authorization from UPPCB & copy of MoU with TSDF attached as Annexure 12.

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	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.	The ground water requirement is less than 10 KLD therefore no ground water NOC is required as per Notification No.-330/76-3-2021-44NG/2020 Lucknow, dated: 02 March, 2021. Copy of the Notification is attached as annexure 13.
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.	Copy of letter regarding supply of power from concerned agency is attached as annexure 14.
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.	Not required for this project.
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	Yes, Complied Online monitoring system is installed. Dioxin & Furans will be monitored regularly. Photograph of emission monitoring system connected with the server of SPCB & CPCB will be installed.

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	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.	Complied. Monitoring Reports are attached as annexure 15.
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.	This condition will be strictly followed. Photographs of equipments are attached as annexure 16.
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/Nm ³ .	Complied. Ventury scrubber is provided with incinerator with stack height of 30 m to control particulate emission under the prescribed limited. Photograph of ventury scrubber attached as annexure 17.
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	Complied. Venturi scrubber is installed as pollution control device. Stack monitoring details are attached as annexure 18.
6.	Masking agents should be used for odour control.	Noted. Masking agent will 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.	Not applicable
2.	Waste water generated from	Complied. ETP is installed and treated waste water will be

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	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.	reused in the APCD connected to the incinerator. Zero liquid discharge is maintained at the site Photographs of ETP attached as annexure 19.
3.	Process effluent/any waste water should not be allowed to mix with storm water.	Waste water will 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.	The fresh water demand is calculated on the basis of peak demand so it will not exceed the requirements.
5.	A sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused within the project.	Domestic waste water is managed through septic tank followed by soak pit.
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.	ZLD is implemented at site.
7.	The leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.	Not applicable.
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.	Attached as Annexure 20.
9.	Rain water runoff from the hazardous waste storage area shall be collected and treated in the effluent treatment plant.	Complied Rain water runoff from the hazardous waste storage area will be collected and treated in the effluent treatment plant. Photograph of ETP installed at the site is attached.
IV.	Noise monitoring and prevention:	

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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.	Complied 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. Please refer to monitoring reports attached 17.
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;	Complied. Solar power will be harnessed for lightening the common area, street lights, parking etc.
2.	Provide LED lights in their offices and residential areas.	Complied. LED lights are provided inside the plant premises attached as annexure 21.
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.	Noted Incinerated ash will be disposed of at approved TSDF site copy of MOU in this regards attached as annexure.
2.	The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016.	Yes solid wastes will be managed 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.	Noted
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	Noted
5.	No landfill site is allowed within the CBWTF site.	Noted
6.	The Project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB.	Noted
VII.	Green Belt:	
1.	Green belt shall be developed in the area as	Complied. Tree planation work is going on and we have planned to develop green belt in approx. 33 % of the total plant

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	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.	area. Photographs of green belt are attached.
VII I	Public bearing and Human health issues:	
1.	Feeding of materials/Bio-medical waste should be mechanized and automatic no manual feeding is permitted.	Complied. No manual feeding will be done. Conveyors are provided for feeding. Photographs of Conveyor Belt are attached as annexure 22.
2.	Proper parking facility should be provided for employees & transport used for collection & disposal of waste materials.	Complied. Adequate parking facilities are provided for employees and transport vehicles used in plant operation. Photograph of parking facility is attached as annexure 23.
3.	Necessary provision shall be made for fire-fighting facilities within the complex.	Complied. Fire fighting facilities like Fire tenders, Fire extinguisher, fire alarms, smoke detector, fire water hydrant etc are provided at the project site. Photographs of the fire-fighting facilities are attached as annexure 24.
4.	An emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Complied. Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan attached as annexure 34.
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.	Complied. Copy of Emergency Plan 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 is attached as annexure 25.
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,	Complied. Temporary housing facility was provided to the construction labour during the construction phase of the project along with following facilities : 1. Safe drinking water 2. Toilet facility 3. First-aid 4. Creche

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	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.	Bi-annual occupational health surveillance for the Worker will be made each year. Occupational health surveillance report will be submitted with next compliance report.
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.II I dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	Noted for action
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.	Copy of Environmental policy duly approved by the director of the company is attached as annexure 26.
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.	Complied A separate Environmental Cell has been constituted with qualified personnel. Details of the Environmental Cell are attached as annexure 27.
4.	Action plan for implementing EMP and environmental conditions	Action plan for implementing EMP has been prepared We assure that funds earmarked for environmental protection

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	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 rise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.	measures will not be diverted for any other purpose.
5.	A self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.	Noted for action
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 MoEF&CC/SEIAA website where it is displayed.	Complied Copy of newspaper advertisement attached as annexure 28.
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.	Complied.
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	Website not developed. Compliance report regularly submitted to the RO MoEF.

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	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.	Complied. Reports on the status of the compliance of the stipulated environmental conditions are regularly submitted.
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.	Noted Form V will be submitted to the Pollution Control Board by September 2024.
6.	The criteria pollutant levels namely; SPM, RSPM, SP, NOx (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.	Regular monitoring will be carried out for all environmental Parameters along with stack monitoring and provision has been made for display of the monitored data near the main gate of the company.
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.	CA certificate is attached as annexure 29.
8.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	We will ensure compliance of all the stipulations made by State Pollution Control Board by timely submission of Environmental Statement in Form V and Annual report in Form IV.
9.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report,	We are adhering to all our commitments and recommendations made in the EIA/EMP report.

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	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).	Noted No expansion or modifications in the plant will be done 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.	Noted We have not concealed any factual data or submitted false/fabricated data at any stage.
12.	The Ministry may revoke or suspend the clearance if the implementation of any of the above conditions is not satisfactory.	Noted
13.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.	Noted
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.	Noted We will extend our full cooperation to the officer (s) of the Regional Office by furnishing the requisite data/information/monitoring reports as and when required.
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	Noted

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	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.	Noted

ANNEXURE I
Online Monitoring System



LAXMI ENGINEERS



CEMS - 109

**CONTINUOUS EMISSION
MONITORING SYSTEM**





ANNEXURE II
Action Plan of PH

S No.	NAME AND ADDRESS OF OBJECTOR /SUGGESTOR	Reply with Action Plan	Implementation
1	Shri Alok Pandey, Village-Rajdhani raised his concern that the temple of Chatti Mata is situated within 100 meters of the proposed site and the project site is located at about 01 km distance from the international border. Therefore, it is not appropriate for the unit to be set up here.	UPPCB RO inspection report is attached as Annexure XXIX & Lakhpal report (On DM order) is attached as Annexure XXX. Also the distance of the international border between India & Nepal as per the Toposheet Number G44F7 (Survey of India) is 1.25 KM.	No Action required.
2	Shri Vibhuti Narayan Mishra, Village - Barwa Kala informed that Sarus birds keep coming and going in and around the proposed site. A primary school and community health center are located near the proposed site. The Gandak river flows at a distance of about 1.2 km from the proposed site. Another CBWTF unit M/s MPCC is installed and operated at a distance of about 60-62 km from the proposed site. Therefore, it is not appropriate for this unit to be established	Biological conservation plan with EIA report is prepared and implemented in consultation with Forest department & Toposheet Number G44F7 (Survey of India). GAP analysis report from UPPCB Annexure VII. A survey of India letter is also attached as Annexure -IV which showing the areal distance from other CBWTF (M/s MPCC Khalilabad) is 72.72 KM. The 33% of the plot area is marked as green belt. A scientifically designed green belt along the inner periphery of the premises, plantation along the road	<ul style="list-style-type: none"> • The plant has been installed after obtaining all the necessary clearances and permissions i.e. Environment Clearance from SEIAA and CTE and CTO from the UPPCB. <p>Following measures are taken to protect the environment :</p> <ul style="list-style-type: none"> • The height of the stack is kept 30 m from its platform. Photograph is attached as Annexure...XIII

	<p>here, and I oppose it.</p>	<p>sides and pathways, plantation around the waste treatment and management facilities, etc., is proposed. Extensive horticulture development and landscaping within the plant will also be taken up.</p>	<ul style="list-style-type: none"> • Effluent Treatment plant of 10 KLD has been installed. The treated water from the ETP is being recycled and reused in various activities i.e. green belt development, floor washing etc. Photographs of the ETP is attached as Annexure XXIV. • The green belt is developed in the plant and Photographs of the same are attached as annexure XXVI. •
<p>3.</p>	<p>Shri Anoop, Village- Barwa Kala asked the Environmental Advisor that as conveyed by you that the proposed unit will be equipped with online sensors and Meters if the amount of pollution in the smoke coming out of the chimney exceeds the standards, the sensor will automatically switch off the production of the unit. Sir, which industry in the industrial area has currently installed such</p>	<p>RO inspection report Letter & Lakhpal letter also the distance of the international border between India & Nepal as per the Toposheet Number G44F7 (Survey of India) is Annexure -I & II respectively.</p> <p>Our existing CBWTF plant located at Gazipur has the online sensor and meter facility as discussed.</p>	<p>The plant has been connected to the UPPCB/CPCB's server online through OCSMS and now being continuously monitored by the UPPCB/CPCB.</p>

	<p>sensor, please inform. I am of the opinion that the unit should not be set up here but in the industrial area.</p>		
4.	<p>It was informed by Shri Anshu Mishra that we have just gone through the Corona period, which was due to infection. Due to the installation of this unit, there will be a possibility of infection. I oppose this unit coming up here</p>	<p>RO inspection report attached as Annexure I and the waste management will be done in adherence with the CPCB guidelines.</p>	<ul style="list-style-type: none"> • The plant is designed as Zero Liquid Discharge plant. Effluent Treatment plant of 10 KLD has been installed. The treated water from the ETP is being recycled and reused in various activities i.e. green belt development, floor washing etc. Photographs of the ETP is attached as Annexure XXIV. No wastewater will be discharged outside the plant premises. • Similarly, hazardous waste and ash will be sent to the TSDF for the ultimate disposal. The MoU with the TSDF is attached as Annexure XI.

5.	<p>Shri Virendra Kumar Rao, Former Head Village - Barwa Kala informed that due to the installation of the proposed unit, a lot of problems will be faced in the coming time. The movement of birds will be reduced, such a situation may also come that we have to leave the village</p>	<p>The 33% of the plot area is marked as green belt. A scientifically designed green belt along the inner periphery of the premises, plantation along the road sides and pathways, plantation around the waste treatment and management facilities, etc., is proposed. Extensive horticulture development and landscaping within the plant will also be taken up.</p>	<ul style="list-style-type: none"> • The green belt is developed in the plant and Photographs of the same are attached as Annexure XXVI. • During construction of the plant, labour workers were hired from the neighboring villages. • Now during operation phase, 20 people from the nearby villages have been hired and now working at various post. • As per the commitment made under CER for investment of 2% of the project cost, the company has made following investment: <ul style="list-style-type: none"> ○ Installation of Solar Light on village road, ○ Repairing of a Handpump in the village ○ Distribution of Stationary in the Govt School. Hence, people who were complaining earlier now getting jobs and other
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			benefits from the plant.
6	Shri Himanshu Dwivedi, Village- Kaulhi expressed his apprehension of adverse impact on Saras birds and that the proposed site is an agricultural area which is suitable for cultivation and farming is also done nearby. After setting up of the unit, the nearby cultivable land will be adversely affected	Land conversion report from competent authority has been obtained attached as Annexure- V. All the measures as per the CPCB guidelines will be followed and all necessary actions will be taken to comply the conditions of EC / CTE & CTO. Pollution control system & ZLD (Zero liquid discharge) system will also provide the better environmental management inhibiting outside plant premises adverse impact. Copy of CTE is attached as Annexure VI.	<ul style="list-style-type: none"> • The plant is designed as Zero Liquid Discharge plant. Effluent Treatment plant of 10 KLD has been installed. The treated water from the ETP is being recycled and reused in various activities i.e. green belt development, floor washing etc. Photographs of the ETP is attached as Annexure XXIV. No wastewater will be discharged outside the plant premises. • Similarly, hazardous waste and ash will be sent to the TSDF for the ultimate disposal. The MoU with the TSDF is attached as Annexure XI.
7	It was conveyed by Shri Raju Dubey, Village-Kaulhi that the installation of the unit would destroy the environment and adversely affect the nearby cultivable land.		
8	It was conveyed by Mr. Prince Mishra, Village-Capital that many facts have been concealed by the Environment Advisor Curiosity was expressed about the ill-effects on the nearby arable land and it was conveyed that 7.0 acres of own		

	cultivars were also present next to it. land is located. Due to the installation of the plant, agricultural land will be destroyed, the factory should not be set up		
9	The representative of M/s MPCC, Khalilabad Sant Kabir Nagar gave his complaint in writing alleging that the proposed unit is not being established as per Central Pollution Control Board guidelines (Photocopy is attached).	CTE form the pollution control board was granted to the project after the GAP analysis as per the CPCB guideline.	<ul style="list-style-type: none"> The plant has been installed after obtaining all the necessary clearances and permissions i.e. Environment Clearance from SEIAA and CTE and CTO from the UPPCB.
	Shri Vibhuti Narayan Mishra, Shri Rama Shankar Tripathi, Shri Anoop Pathak, Shri Niraj Pathak submitted their protest in writing. (Photocopy attached).		

ANNEXURE III
CPCB guidelines for setting up the
(CBWTF)

Criteria for development of a new Common Bio-medical Waste Treatment and Disposal Facility for a locality or region as per Revised Guidelines for Common Bio-medical Waste Treatment and Disposal Facilities, 2016

Prior to allowing any new CBWTF, following criteria or steps may be followed:		
Sl. No.	Conditions	Compliance
a.	<p>Prescribed authority under the BMW Rules, 2016 [i.e., State Pollution Control Board (SPCB) in the respective State or Pollution Control Committee (PCC) in the respective Union Territory Administration] is required to prepare an inventory or review with regard to the bio-medical waste generation at least once in five years in the coverage areas of the existing bio-medical waste treatment and disposal facility. The prescribed authority is also required to extrapolate the coverage-area wise bio-medical</p>	CTE/CTO Copy attached as annexure 11.

	waste generation for the next ten years.	
b.	<p>SPCB/PCC is required to conduct gap analysis w.r.to coverage area of the bio-medical waste generation and also projected over a period of next ten years, adequacy of existing treatment capacity of the CBWTF in each coverage area of radius 75 KM.</p> <p>All the SPCBs and PCCs shall conduct the gap analysis and based on the gap analysis, action plan for development of new CBWTFs is required to be prepared and submitted to MoEF & CC & CPCB within six months' time. In case of States/UTs, where no CBWTF is available, in such a case, SPCB/PCC being prescribed authority under the BMWM Rules is required to submit the detailed proposal to MoEF & CC/MoH & FW through the respective State</p>	Gap analysis report attached in annexure 9.

	<p>Government or UT Administration. Also, the option of forming association by the group of health care facilities (HCFs) to develop their own CBWTF also be encouraged following these guideline. In case, any coverage area requires additional treatment capacity , in such a case, action may be initiated by the prescribed authority for allowing a new CBWTF in that locality without interfering the coverage area of the existing CBWTF and beds covered by the existing CBWTF.</p>	
c.	<p>SPCB/PCC shall identify the coverage area, which require additional treatment facility and bring it to the notice of the concerned department in the business allocation of land assignment in the respective State Government or UT Administration. The department in the business allocation of land assignment shall be responsible</p>	<p>75 km map is attached as annexure 31.</p>

	for providing suitable site in the identified coverage area for setting up of a CBWTF, in consultation with the prescribed authority (i.e., SPCB/PCC), other stakeholders and in accordance with these guidelines issued by CPCB from time to time.	
d.	Alternately, a CBWTF may also be allowed to be established on a land procured by an entrepreneur in accordance with the location criteria suggested under these guidelines.	Gap analysis report attached in annexure 9.
e.	The SPCB/PCC or concerned department in the business allocation of land assignment in the respective State Government or UT Administration may seek expression of interest from the proponents for development of new CBWTF (s) in the identified coverage area. Upon allocation of site to the proponent, the proponent	Land conversion certificate is attached as annexure 32.

	<p>is required to take necessary approvals as required under the Environment (Protection) Act, 1986 for development of the new CBWTF in accordance with these guidelines.</p>	
f.	<p>In the absence of expression of interest by any proponent, then SPCB/PCC shall insist health care facilities to form association and to develop its own CBWTF in line with these guidelines or to have captive treatment facilities for ensuring treatment and disposal of generated bio-medical waste as stipulated under the BMWM Rules, 2016.</p>	<p>Not applicable. Already installed. EC & CTE is already obtained from the concerned authority.</p>
g.	<p>In case of any regulatory action including closure of any existing CBWTF is inevitable, the respective SPCB/PCC may take action under the</p>	<p>Agreed and noted.</p>

	<p>BMWM Rules including for making alternate arrangement to ensure safe disposal of the bio-medical waste generated from the member health care facilities of such default CBWTF through CBWTF located nearby.</p>	
<p>h.</p>	<p>In case of hilly areas considering the geography, only one CBWTF with adequate treatment capacity may be developed covering atleast two districts to cater treatment services to the HCFs located in the respective Districts. The selection and allocation of site etc., should be done as per the criteria suggested under these guidelines. The treatment charges to be prescribed by the respective SPCB/PCC in consultation with the State Advisory Committee.</p>	<p>Not applicable.</p>

ANNEXURE IV

SOP for waste collection, handling transportation, treatment and disposal

Standard Operating Procedure for waste collection, handling transportation, treatment and disposal as per Biomedical Waste Management Rules 2016

1.1.1 Collection of Biomedical Waste from Hospitals

The health care facility shall be advised to segregate the waste and enable trained personnel to carefully pack the waste as it contains sharps, solid waste etc. The waste collected shall be endorsed by issuing a small manifest. It is also realized that the Bio-medical Waste shall be collected every day and not be delayed more than 48 hours as it has tendency to give out odour & deteriorate with long standing storage. The collection of the waste from hospital and its movement to the carrying vehicle shall be properly managed by avoiding any spillage in the path. It is intended to have 5 closed vehicles (E.g. dimension size of 14ft x 6ft x 5.5ft with carrying capacity 3000kg) for collection and transportation of biomedical waste to CBWTF covering all the 5 districts proposed to cater within 100km radius.

1.1.2 Transportation of the Waste to CBWTF

Proper fully covered dedicated vehicles shall be used for transportation of biomedical waste from healthcare facility to the treatment facility. The personnel hired for the transportation will be licensed driver and shall be trained for specific requirements of collection of infectious biomedical waste the bins containing the waste shall be stacked in a manner to avoid overturning in case of jerks. The Waste bins shall be unloaded from the trucks manually by trained staff at the facility wearing a persona viz. Overalls, Gloves, Gum Boots etc. ensuring there are no health impacts during the process. The dedicated vehicle for transportation of waste shall have following features;

- (I) Separate cabins shall be provided for driver/staff and the bio-medical waste containers.
- (II) The base of the waste cabin shall be leak proof to avoid pilferage of liquid during transportation.
- (III) The waste cabin may be designed for storing waste containers in tiers.
- (IV) The waste cabin shall be so designed that it is easy to wash and disinfect.
- (V) The inner surface of the waste cabin shall be made of smooth surface to minimize water retention.
- (VI) The waste cabin shall have provisions for sufficient openings in the rear and/or sides so that waste containers can be easily loaded and unloaded.
- (VII) The vehicle shall be labeled with the bio-medical waste symbol (as per the schedule iii of the rules) and display the name, address and telephone number of the CBWTF.
- (VIII) The vehicle will be fitted with GPS system for tracking.

Depending upon the area to be covered under the CBWTF, the route of transportation shall be worked out. The transportation routes of the vehicle shall be designed for optimum travel distance and to cover maximum number of healthcare units. As far as possible, the transportation shall be carried out during non-peak traffic hours. It shall be ensured that the total time taken from generation of bio-medical waste to its treatment, which also include collection and transportation and treatment time, shall not exceed 48 hours.

1.1.3 Storage

The proposed CBWTF will have storage area. The storage shed consists of different cells for storing different kinds of bio-medical waste. The storage building is an enclosed structure with sufficient ventilations. The bio medical waste can be directly stored in dumper containers with lids of suitable size. The storage area will be at the entry point of the CBWTF to unload and store all biomedical wastes that have been transported to the facility by vehicle. The front portion of the room shall be utilized for unloading the wastes from the vehicle and back or side portion shall be utilised for shifting the wastes to the respective treatment equipment. The room where waste is unloaded the floor shall be made impermeable so that any liquid spilled during unloading does not percolate into the ground. The liquid generated during handling of wastes and washing, shall be diverted to the inlet of ETP.

In the main storage room, wastes shall be stacked with clear distinction as per the color coding of the containers. From here, the coloured containers will be sent to the respective treatment equipment.

1.1.4 Treated Waste Storage

After autoclaving the wastes will be segregated and stored in the treated waste storage area. Plastic waste will be stored after shredding. Plastics, metals, glass will be stored separately. Waste having recycle value will be sold to registered or authorized recyclers. Disinfection and Destruction.

Upon receipt at the facility, wastes containers shall be unloaded. Wastes based on their colour codes shall be separated and properly treated and disposed off as per MoEF&CC rules the incinerable waste shall be loaded into the incinerator while autoclavable shall be loaded into the autoclave for disinfection. Residue from incinerator units shall be disposed into a landfill and waste from autoclave shall send to authorized recyclers.

1.1.5 Treatment of Waste

The segregated waste shall be subjected to treatment in accordance to procedure prescribed in Biomedical Rules and CPCB guidelines.

ANNEXURE V

Photograph of Incinerator



ACTIVATED
CARBON UNIT

WATER RE-CIRCULATION
TANK

WATER RE-CIRCULATION
TANK

CYCLONE
SEPARATOR

CYCLONE
SEPARATOR

WASTE FEEDING
SYSTEM

FURNACE CHAMBER

PRIMARY
CHAMBER

WATER TANK

ANNEXURE VI
Training Photographs



ANNEXURE VII
Authorization from UPPCB



UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone: 0522-2720828, 2720831 Fax: 0522-2720764

Email: info@uppcb.com Website: www.uppcb.com

FORM III (See Rule 10) AUTHORISATION

(AUTHORISATION FOR OPERATING A FACILITY FOR COLLECTION, RECEPTION, TREATMENT, STORAGE, TRANSPORT AND DISPOSAL OF BIOMEDICAL WASTES)

1. File no. of authorisation and date of issue: No:- 23858019 and Date:-19/01/2024
2. M/s MS AV BIOMEDICAL WASTE SERVICES, VINAY KUMAR RAI an occupier or operator of the facility located at Village- Rajdhani, Tehsil- Nautanwa, Maharajganj, Uttar Pradesh. is hereby granted an authorisation for:

Generation, segregation

Collection



Storage



Transportation



Reception



Use

Recycling

Offering for sale

Packaging

Transfer

Treatment or Processing or Conversion



Disposal or destruction



Any other form of handling

3. M/s MS AV BIOMEDICAL WASTE SERVICES is hereby authorized for handling of biomedical waste as per the capacity given below:
 - (i) Number of beds of HCF:
 - (ii) Number of health care facilities covered by CBMWTF:
 - (iii) Installed treatment and disposal capacity: Incinerator 250 Kg/Hr, Autoclave 1000 Kg/batch, Shredder 150 Kg/Hr and Chemical Disinfection Tank 1500 liters
 - (iv) Area or distance covered by CBMWTF: 75 Km Radius
 - (v) Quantity of Biomedical waste handled, treated or disposed:
4. This authorisation shall be in force for a period of Five Years Years from the date of issue.
- 4.1 The authorization shall be valid for till 15/12/2028

5. This authorisation is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986

Chief Environmental Officer, Circle-6

Terms and Conditions of Authorisation

1. The authorisation shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the prescribed authority.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical wastes without obtaining prior permission of the prescribed authority.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. It is the duty of the authorised person to take prior permission of the prescribed authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.
6. The Unit will file the renewal application at least 2 months prior to the expiry of this Order

Specific Conditions:

1. This authorization is valid for M/s. AV Biomedical Waste Services, Khasra no-274 and 279, VillageRajdhani, Tehsil-Nautanwa, Maharajganj, Pin code- 273162 having component with capacity- Incinerator 250 Kg/Hr, Autoclave 1000 Kg/batch, Shredder 150 Kg/Hr and Chemical Disinfection Tank 1500 liters. In Case of any changes, enhancement etc., No Objection Certificate shall be obtained from the Board.
2. The Authorization shall comply with provisions of the Environment (Protection) Act 1986 and the rules made there under.
3. The Authorization or its renewal shall be produced for inspection at the request of an officer, Authorized by the prescribed authority.
4. The Authorized person shall not rent, lend, transfer or otherwise transport the bio-Medical waste without obtaining prior permission of the prescribed authority.
5. It is duty of the Authorized person to take prior permission of the Board to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.
6. Any unauthorized change in personnel, equipment or working condition as mentioned in the application by the person authorized shall constitute a breach of his authorization.
7. Bio- Medical waste shall not be mixed with other waste.
8. Bio- Medical waste shall be segregated into containers/ bags at the point of generation in accordance with schedule II. Prior to its storage, transportation, treatment and disposal. The Containers shall be labeled according to schedule III.
9. No untreated bio medical waste shall be kept stored beyond a period of 48 hours.
10. You shall submit an annual report to the U.P. Pollution Control Board in form IV by 30th June every year. And include information about the categories and quantities of Bio Medical waste during the preceding year.
11. You shall maintain record related to the generation, collection, reception storage, Transportation, treatment and disposal and/or any form of handling of Bio Medical Waste in accordance with rule and guidelines, all records shall be subject to inspection and verification by the Board at any time.
12. It is within the power and functions of U.P. Pollution Control Board to modify/ revoke the terms and conditions of Authorization and issued under the Rule 7 (8) of the Bio-Medical waste Management Rules, 2016.
13. You are hereby directed to comply the stipulated above mentioned conditions and submit the compliance report and steps taken in this regard within a month so that capacity of the facility may be verified failing which the authorization may be revoked and necessary legal proceeding shall be initiated.
14. The Bio medical waste shall not be disposed in open place in the premises.

15. The CBWTF shall maintain logbook for the disposal of bio medical waste.
16. The CBWTF shall install bar code system within 15 days.
17. Discarded medicine shall be disposed in incinerator as per BMW Rule, 2016 and sharp pit shall be provided for disposal of waste sharp as per CPCB Guidelines.
18. The CBWTF shall comply with the Bio Medical Waste Management Rules 2016 and annual report shall be submitted.
19. The CBWTF shall comply with the provisions of Hazardous and Other waste (Management and Trans boundary Movement) Rules, 2016.
20. The facility shall ensure bar coding system to be adopted by member of healthcare facility in accordance with Bio Medical Waste Management Rules 2016.
21. The CBWTF shall obtain the State Ground Water Department permission for withdrawal of ground water and also comply with the CGWA guidelines for recharging of ground water.
22. The Facility shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com.
23. Separate space for untreated Bio Medical Waste shall be maintained by facility as per CPCB guidelines/Bio Medical Waste Management Rules 2016.
24. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
25. The CBWTF shall connect OCEMS to CPCB server before commissioning of the plant.
26. Onsite emergency plan approved by the competent authority shall be submitted to board.
27. The CBWTF shall comply with the Guideline of CPCB and shall only cater to beds which are in addition to 10,000 beds admissible to pre-existing CBWTFs located within 75 km radius. If any modification is required as per BMW rules, 2016 it will done and inform to the Board.
28. The CBWTF shall abide by orders / directions issued by Hon'ble Supreme Court Hon'ble High Court, Hon'ble National Green Tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time.
29. The CBWTF shall produce a MoU with the nearest CBWTF as an alternate arrangement in case of closure/any emergency before CTO.
30. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this authorization and attract action under the provisions of Environment (Protection) Act, 1986.

RAM
KARAN

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by RAM KARAN
Date: 2024.01.29
12:08:41 +05'30'

RAM
KARAN

Digitally signed by
RAM KARAN
Date: 2024.01.29
12:08:57 +05'30'
Dated:19/01/2024

Memo No.: 23858019

Copy To:

Regional Officer, U.P. Pollution Control Board, Gorakhpur for information and necessary action

RAM

Digitally signed
by RAM KARAN

KARAN

Date: 2024.01.29

Chief Environmental Officer, Circle-6
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मिशन LIFE - पर्यावरण के लिए जीवन शैली (Lifestyle For Environment) जनसहभागिता का सन्देश



- स्वच्छता – देशसेवा में अपने परिवेश की स्वच्छता हेतु अपना सक्रिय योगदान सुनिश्चित करें
- संकल्प लें -एकल उपयोग प्लास्टिक उत्पाद जैसे कप, तश्तरी, चम्मच, स्ट्रॉ, ईयरबड्स आदि का उपयोग न हो एवं पर्यावरण अनुकूल विकल्पों जैसे कागज/पत्तों से बने दोने या कटलरी को प्राथमिकता दी जाय |
- एकल उपयोग प्लास्टिक उत्पाद के प्रयोग को रोकने एवं प्लास्टिक बैग के बजाय कपड़े के थैले का उपयोग करने मात्र से 375 मिलियन टन ठोस (प्लास्टिक) कचरे का उत्सर्जन बचाया जा सकता है
- चक्रीय अर्थव्यवस्था (सर्कुलर इकोनॉमी) का समुचित कार्यान्वयन वर्ष 2030 तक लगभग 14 लाख करोड़ रुपये की अतिरिक्त बचत उत्पन्न कर सकता है | वेस्ट /अपशिष्ट फेकने के पूर्व सोचें, ये किसी का संसाधन तो नहीं ...?
- अनुपयोगी इलेक्ट्रिक / इलेक्ट्रॉनिक उत्पाद को कचरे में फेकने से रुकें | इसके उपयुक्त निस्तारण हेतु इसे प्राधिकृत ई – वेस्ट रीसाइकलर को दें | प्राधिकृत ई-रीसाइकिलिंग इकाई में अनुपयोगी इलेक्ट्रिक / इलेक्ट्रॉनिक उत्पाद को देने मात्र से 0.75 मिलियन टन तक ई-कचरे का पुनर्चक्रण किया जा सकता है एवं ई-कचरे के विषम पर्यावरणीय दुष्प्रभाव से बचा जा सकता है
- बाहर जाते समय - सोचें कि क्या आपको वास्तव में परिवहन की आवश्यकता है - वह भी क्या व्यक्तिगत रूप से ? छोटी दूरी के लिए पैदल चलना पसंद करें, अथवा सम्भव हो तो कार पूल के रूप में संसाधन को साझा करें अथवा सार्वजनिक परिवहन पर विचार करें
- घरेलू स्तर पर कम से कम ठोस अपशिष्ट का उत्सर्जन करें और इनका प्रथाक्रीकरण करें
- उपयोगी शेष खाद्य सामग्री आपके स्वयं प्रयास अथवा निकटस्थ सक्रिय स्वयं सेवी संस्थाओं की सहायता से समाज के वंचित वर्ग तक पहुंचाई जा सकती है | वहीं अनुपयोगी भोजन /खाद्य सामग्री को कंपोस्ट (वर्मी कम्पोस्ट) करने से 15 अरब टन भोजन को नष्ट होने से बचाया जा सकता है
- ध्यान रखें - उपयुक्त नल और शावर के उपयोग से पानी की खपत को 30 - 40% तक कम किया जा सकता है। एवं उपयोग में न होने पर नलों को बंद रखने मात्र से 9 ट्रिलियन लीटर पानी बचाया जा सकता है
- ट्रैफिक लाइट/रेलवे क्रॉसिंग पर कार/स्कूटर के इंजन बंद करने मात्र से 22.5 बिलियन kWh तक ऊर्जा की बचत हो सकती है
- परम्परागत बल्ब के स्थान पर CFL का उपयोग बिजली की खपत में प्रभावी कमी लाते हैं | उपयोग में न होने पर बिजली उपकरणों को बंद करें | स्टार रेटेड विद्युत उपकरणों के उपयोग को प्राथमिकता दें

हमारे द्वारा अपनी जीवन शैली की प्राथमिकताओं का उचित और पर्यावरण अनुकूल पुनर्निर्धारण समाज और पर्यावरण के प्रति हमारा दायित्व है |

ANNEXURE VIII
Photographs of Greenbelt



ANNEXURE XXVIII

Groundwater NOC

उत्तर प्रदेश शासन,
नमामि गंगे तथा ग्रामीण जलापूर्ति अनुभाग-3
संख्या-330/76-3-2021-44एनजी/2020
लखनऊ: दिनांक : 02 मार्च, 2021

-: अधिसूचना :-

उत्तर प्रदेश भू-गर्भ जल (प्रबन्धन और विनियमन) अधिनियम, 2019 (उत्तर प्रदेश अधिनियम संख्या 13 सन् 2019) की धारा 51 के अधीन शक्तियों का प्रयोग करके और राज्य भू-गर्भ जल प्रबन्धन और विनियामक प्राधिकरण की संस्तुति पर, राज्यपाल उत्तर प्रदेश के सूक्ष्म एवं लघु उद्यमों जिनका भू-गर्भ जल आहरण 10 घन मीटर प्रतिदिन से कम हो, को भू-गर्भ जल निष्कर्षण अनापत्ति प्रमाण पत्र प्राप्त करने के उपबन्ध से छूट प्रदान करती हैं। तथापि ऐसे उद्यम पूर्वोक्त अधिनियम की धारा 10 तथा 11 के अधीन यथाविहित रीति से रजिस्ट्रीकरण प्रमाण-पत्र प्राप्त करेंगे।

आज्ञा से,



(अनुराग श्रीवास्तव)
प्रमुख सचिव।

Uttar Pradesh Shasan
Namami Gange Tatha Gramin Jalapurti Anubhag-3

In pursuance of the provision of clause (3) of Article 348 of the Constitution of India, the Governor is pleased to order the publication of following English translation of notification no :330/76-3-2021-44NG/2020-Lucknow dated 02 March, 2021.


Notification

No:330/ 76-3-2021-44NG/2020

Lucknow: Dated: 02 March, 2021

In exercise of the powers under section 51 of the Uttar Pradesh Ground Water (Management and Regulation) Act, 2019 (U.P. Act no.13 of 2019) and on the recommendation of the State Ground Water Management and Regulatory Authority, the Governor is pleased to exempt Micro and Small Enterprises in the Uttar Pradesh drawing ground water less than 10 cubicmeters/day from the provision of seeking No-Objection Certificate for ground water extraction. However, such Enterprises shall obtain registration certificate in the manner as prescribed under sections-10 and 11 of the aforesaid Act.

By order,


(ANURAG SRIVASTAVA),
Pramukh Sachiv

Uttar Pradesh Shasan
Namami Gange Tatha Gramin Jalapurti Anubhag-3


In pursuance of the provision of clause (3) of Article 348 of the Constitution of India, the Governor is pleased to order the publication of following English translation of notification no:331/76-3-2021-44NG/ 2020-Lucknow dated 02 March, 2021.

Notification

No:331/ 76-3-2021-44NG/2020
Lucknow: Dated: 02 March, 2021

In exercise of the powers under section 51 of the Uttar Pradesh Ground Water (Management and Regulation) Act, 2019 (U.P. Act no.13 of 2019) and on the recommendation of the State Ground Water Management and Regulatory Authority, the Governor is pleased to exempt the new industries in the Uttar Pradesh, falling in the category of Micro, Small and Medium Enterprises (MSME) except the new packaged water industries from the operation of section 12 of the aforesaid Act.

By order,



(ANURAG SRIVASTAVA),
Pramukh Sachiv

उत्तर प्रदेश शासन,
नमामि गंगे तथा ग्रामीण जलापूर्ति अनुभाग-3
संख्या-331 / 76-3-2021-44एनजी / 2020
लखनऊ: दिनांक : 02 मार्च, 2021

-: अधिसूचना :-

उत्तर प्रदेश भू-गर्भ जल (प्रबन्धन और विनियमन) अधिनियम, 2019 (उत्तर प्रदेश अधिनियम संख्या 13 सन् 2019) की धारा 51 के अधीन शक्तियों का प्रयोग करके और राज्य भू-गर्भ जल प्रबन्धन और विनियामक प्राधिकरण की संस्तुति पर, राज्यपाल उत्तर प्रदेश के नये पैकेज वाले जल उद्योगों को छोड़कर सूक्ष्म, लघु एवं मध्यम उद्यमों (एम0एस0एम0ई0) की श्रेणी में आने वाले नये उद्योगों को पूर्वोक्त अधिनियम की धारा 12 के प्रवर्तन से छूट प्रदान करती हैं।

आज्ञा से,


(अनुराग श्रीवास्तव)
प्रमुख सचिव।

ANNEXURE IX
Gap analysis report

प्रदूषण रोकिए !

तार - पर्यावरण

Gram : Paryavaran

पर्यावरण बचाइए !!

दूरभाष एवं फ़ैक्स : 0551-2273937

Phone & Fax : 0551-2273937



क्षेत्रीय कार्यालय
उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
REGIONAL OFFICE

UTTAR PRADESH POLLUTION CONTROL BOARD

संदर्भ संख्या

Ref. No. 762/उ००३०सी०५४/२०२२

दिनांक

Dated...13/12/22.....

सेवा में,

ए०वी० बायो-मेडिकल वेस्ट,
वरदान, गोमती नगर, एक्टेंशन,
लखनऊ।

विषय:

क्षेत्रीय कार्यालय, गोरखपुर में आच्छादित जनपद गोरखपुर, देवरिया, कुशीनगर एवं महाराजगंज वर्तमान में संचालित अस्पतालों के बेड की संख्या के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक अपने पत्रांक शून्य दिनांक 01.12.2022 का संदर्भ ग्रहण करने का कष्ट करें। उक्त पत्र के माध्यम से आप द्वारा जनपद गोरखपुर में आच्छादित चारो जनपदों में वर्तमान में संचालित अस्पतालों के बेड की संख्या के सम्बन्ध में सूचना चाही गयी है। उक्त के सम्बन्ध में आपको अवगत कराना है कि कार्यालय अभिलेखानुसार चारो जनपदों में वर्तमान में संचालित अस्पतालों के बेडो की संख्या का विवरण निम्नवत है:-

1.	गोरखपुर	-	11575
2.	देवरिया	-	3758
3.	महाराजगंज	-	1995
4.	कुशीनगर	-	1880

उक्त के अतिरिक्त आपको अवगत कराना है कि वर्तमान में चारों जनपदों में कोई भी सी०वी०डब्लू०टी०एफ० इकाई संचालित नहीं है।

भवदीय

(पंकज झादव)
क्षेत्रीय अधिकारी

प्रतिलिपि- मुख्य पर्यावरण अधिकारी (वृत्त-6), उ०प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ।

क्षेत्रीय अधिकारी

प्रदूषण रोकिए !

तार - पर्यावरण

Gram : Paryavaran

पर्यावरण बचाइए !!

दूरभाष एवं फ़ैक्स : 0551-2273937

Phone & Fax : 0551-2273937

क्षेत्रीय कार्यालय

उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड

REGIONAL OFFICE

UTTAR PRADESH POLLUTION CONTROL BOARD

संदर्भ संख्या

Ref. No.

सेवा में,

727/रुग्ण ओ सी 54/2021

दिनांक

Dated 23-11-21

मुख्य पर्यावरण अधिकारी (वृत्त-6),

उ०प्र० प्रदूषण नियंत्रण बोर्ड,

पर्यावरण भवन, टी०सी०-12वीं,

विभूमि खण्ड, गोमती नगर,

लखनऊ।

विषय-

मेसर्स ए०वी० बायो-मेडिकल वेस्ट सर्विसेस, महाराजगंज (उ०प्र०) की निरीक्षण आख्या प्रेषित करने के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक बोर्ड मुख्यालय के पत्रांक सं० एच. 67769/सी०-6/344/बी०एम०डब्लू०/गोरखपुर/2021, दिनांक 01.11.2021 का संदर्भ ग्रहण करने का कष्ट करें। पत्र के माध्यम संदर्भित बायो-मेडिकल वेस्ट ट्रीटमेन्ट फैसिलिटी के पत्र दिनांक 22.10.2021 के माध्यम से बोर्ड मुख्यालय में दिनांक 26.10.2021 को प्राप्त पत्र ग्राम- प्रधान श्रीमती पूनम सिंह ग्राम- पंचायत, बरवा कला, विकास खण्ड, नौतनवां, तहसील- नौतनवां, जनपद- महाराजगंज द्वारा यह अवगत कराया गया है कि मेसर्स ए०वी० बायो-मेडिकल वेस्ट सर्विसेस के स्थापित होने से हम लोगों को कोई आपत्ति नहीं है। अध्यक्ष महोदय द्वारा अपेक्षा की गयी है। उक्त के संदर्भ में पुनः रिपोर्ट प्राप्त कर प्रस्तुत की जाये, आख्या निम्नवत है:-

प्रस्तावित उद्योग एक कामन बायो मेडिकल वेस्ट ट्रीटमेन्ट फैसिलिटी (CBMWTF) है जिसकी शुद्धीकरण क्षमता 5000 किलोग्राम/दिन प्रस्तावित है। उक्त व्यवस्था के अन्तर्गत एक अदद ऑयल फायर्ड डबल चैम्बर इन्सीनेरेटर-250 किलोग्राम/घण्टा, एक अदद ऑटो क्लेव ऑटोक्लेव-1000 किलोग्राम/बैच एवं एक अदद श्रेडर-150 किलोग्राम/घण्टा स्थापित किया जाना प्रस्तावित है। उद्योग में जल का प्रयोग घरेलू प्रयोजन एवं स्क्रबर तथा वाशिंग में किया जाना प्रस्तावित है घरेलू उत्प्रवाह के निस्तारण हेतु सेप्टिक टैंक/सोकपिट की स्थापना एवं प्रक्रिया से जनित प्रदूषित उत्प्रवाह के शुद्धीकरण हेतु 10 के०एल०डी० क्षमता के ई०टी०पी० की स्थापना का प्रस्ताव है। उद्योग में इन्सीनेरेटर से जनित निस्तारण के शुद्धीकरण हेतु वायु प्रदूषण नियंत्रण व्यवस्था के रूप वेन्चुरी स्क्रबर प्रस्तावित है। उत्सर्जन के लिये भू-तल से 30 मीटर ऊँची चिमनी प्रस्तावित है। 32 के०बी०ए० का एकोस्टिक एन्क्लोजरयुक्त डी०जी० सेट की स्थापना का प्रस्ताव है। प्रस्तावित CBMWTF के आस-पास लगभग 75 किलोमीटर में कोई दूसरा CBMWTF स्थापित नहीं है। प्रस्तावित स्थल के पूरब दिशा में लगभग 2 कि०मी० की दूरी पर ग्राम-बरवा कला, अनुमानित आबादी लगभग 2000 स्थित है। पश्चिम दिशा में 850कि०मी० पर ग्राम-चन्दीथान, अनुमानित आबादी 2500 स्थित है। दक्षिण दिशा में 900 मीटर पर दूरी पर ग्राम-राजधानी, अनुमानित आबादी 1800 स्थित है। प्रस्तावित इकाई द्वारा प्रेषित लोकेशन मैप के अनुसार इन्सीनेरेटर से उत्तर दिशा में लगभग 3.0 कि०मी० की दूरी पर ग्राम-पुड़ीला, अनुमानित आबादी 1500 स्थित है।

वर्तमान में क्षेत्रीय कार्यालय, गोरखपुर के अन्तर्गत आच्छादित चारो जनपदों (गोरखपुर, कुशीनगर, महाराजगंज एवं देवरिया) में कोई भी CBMWTF इकाई संचालित नहीं है। प्रस्तावित स्थल क्रिटीकली पाल्यूटेड क्षेत्र से प्रभावित नहीं है।

उपरोक्त आख्या आपके अवलोकनार्थ एवं अग्रिम आवश्यक कार्यवाही हेतु सादर प्रेषित है।

संलग्नक- उपरोक्तानुसार।

भवदीय

(पंकज यादव)
क्षेत्रीय अधिकारी

महादेव झारखण्डी, आवास विकास कालोनी, देवरिया रोड, कूड़ाघाट, गोरखपुर-273 008

MAHADEV JHARKHANDI, AVAS VIKAS COLONY, DEORIA ROAD, KUNRAGHAT, GORAKHPUR-273 008

E-mail : rogorakhpur@uppcb.com

#884u'
22/11/21



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
(UTTAR PRADESH POLLUTION CONTROL BOARD)

Ref. No. H.G. 769/सी-6/844/बी0एम0डब्लू0/गोरखपुर/21

01-11-21
दि.

सेवा में,
क्षेत्रीय अधिकारी,
उ0प्र0 प्रदूषण नियंत्रण बोर्ड,
गोरखपुर।

विषय: मेसर्स ए0वी0बायोमेडिकल वेस्ट सर्विसेज, महाराजगंज, (उ0प्र0) की निरीक्षण आख्या प्रेषित करने के सम्बन्ध में

महोदय,

कृपया उपरोक्त विषयक का संदर्भ ग्रहण करने का कष्ट करें तत्कम में अवगत कराना है कि संदर्भित बायोमेडिकल वेस्ट ट्रीटमेंट फेसिलिटी के पत्र दिनांक 22.10.2021 के माध्यम से बोर्ड मुख्यालय में दिनांक 26.10.2021 को प्राप्त संलग्न पत्र ग्राम प्रधान श्रीमती पूनम सिंह ग्राम पंचायत-बरवांकला, विकास खण्ड, नौतनवां, तहसील- नौतनवां, जनपद- महाराजगंज द्वारा अवगत कराया गया है कि मेसर्स ए0वी0 बायोमेडिकल वेस्ट सर्विसेज के स्थापित होने से हम लोगों को कोई आपत्ति नहीं है। अध्यक्ष महोदय द्वारा अपेक्षा की गयी है कि उक्त के सम्बन्ध में आपसे रिपोर्ट प्राप्त कर पुनः पत्रावली प्रस्तुत की जाय।

अतः आपको निर्देशित किया जाता है कि संदर्भित पत्र का संज्ञान लेते हुए प्रकरण पर निरीक्षण आख्या प्रेषित करना सुनिश्चित करें जिससे अग्रिम कार्यवाही की जा सके।

संलग्नक:- यथोपरि।

भवदीय,

सर्विसेज महाराजगंज (उ0प्र0) की निरीक्षण आख्या
(आर0 के0 त्यागी)
मुख्य पर्यावरण अधिकारी,

गोरखपुर/21
कृपया उपरोक्त विषयक का संदर्भ ग्रहण करने का कष्ट करें तत्कम में अवगत कराना है कि संदर्भित बायोमेडिकल वेस्ट ट्रीटमेंट फेसिलिटी के पत्र दिनांक 22.10.2021 के माध्यम से बोर्ड मुख्यालय में दिनांक 26.10.2021 को प्राप्त संलग्न पत्र ग्राम प्रधान श्रीमती पूनम सिंह ग्राम पंचायत-बरवांकला, विकास खण्ड, नौतनवां, तहसील- नौतनवां, जनपद- महाराजगंज द्वारा अवगत कराया गया है कि मेसर्स ए0वी0 बायोमेडिकल वेस्ट सर्विसेज के स्थापित होने से हम लोगों को कोई आपत्ति नहीं है। अध्यक्ष महोदय द्वारा अपेक्षा की गयी है कि उक्त के सम्बन्ध में आपसे रिपोर्ट प्राप्त कर पुनः पत्रावली प्रस्तुत की जाय।

T.C/12V, Vibhuti Khand Gomti Nagar, Lucknow - 226010
Phone: 2720831, 2720828, 2720691 & 2720681 - Fax: 0522 - 2720764
Email: info@uppcb.com - Web Site: www.uppcb.com

भवदीय

(आर0 के0 त्यागी)
मुख्य पर्यावरण अधिकारी



PAN - ABUFA6591R

AV BIOMEDICAL WASTE SERVICES

Mobile No. : 7007265289 | E-mail : avbmwsevice@gmail.com

Handwritten signature/initials

Ref No.

Date: 22.10.2021

पत्रांक : अध्यक्ष कैम्प/2021/1144...

MS.

दिनांक : 26.10.2021.....

कृ० RD, Gomti Nagar से
रिपोर्ट लेकर पतावली
प्रस्तुत करें।

To,

Chairman
U.P. Pollution Control Board,
Lucknow

JMS Rai

26/10/2021

(जे० पी० एस० राठौर)

Dear Sir,

We have applied for E.C. for setting up common bio medical waste treatment facility at village Rajdhani khasara No. 274 & 279. We have taken consent from Gram Panchayat and the same is being submitted for your consideration. There is no population in area around 500 meters from site.

Thanking You

Your faithfully

कृ० RD, Gomti Nagar से
रिपोर्ट लेकर पतावली
प्रस्तुत करें।
Vinay Kumar Rai

AV Biomedical Waste Services

3rd
EE/ASO/SA
for na
29.10.2021

CEO (C-6)

Handwritten signature

26/10/2021

(अजय कुमार शर्मा)
सदस्य सचिव

Enclosure

NOC From Gram Pradhan

Address - 1 F 964,
Vardan Khand, Gomti Nagar Extension
Lucknow, Uttar Pradesh



Thanking You

Vinay Kumar Rai

AV Biomedical Waste Services

ग्राम पंचायत- बरवांकला, विकास खण्ड- नौतनवां
तहसील- नौतनवां, जनपद- महाराजगंज (30प्र0)

पूनम सिंह
ग्राम प्रधान

ग्रामान प्रतिनिधि
आशुतोष सिंह (पूर्व प्रधान)
Mob. 7080687286

पत्रांक -

दिनांक 16/10/2021..

सेवा में
चेयरमैन उत्तर प्रदेश प्रबुधन कन्ट्रोल बोर्ड
टी.सी - 11V
विश्वीय खण्ड लखनऊ 226010

सहोदय मेराल ए.वी.मैडिकल वेल्थ सोसायटी के द्वारा हमे वास्तु एवं पत्र प्रबुधन के कन्ट्रोल में जो आपस तब दिया गया है उसमे विचार करते हुए हमारे एवं ग्राम समा द्वारा निर्जम लिखा गया है कि कामोमैडिकल वेल्थ सोसायटी की स्थापना में कोई भी हमारे द्वारा आपसी नहीं है।
होरे प्लान का स्थापना करते हुए।

उज्जवल आशुतोष की कामना करते हैं।

Poonam Singh
ग्राम प्रधान

उज्जवल आशुतोष की कामना करते हैं।

ANNEXURE X
CSR Plan

CSR PLAN

Rs. 6 Lakhs has been earmarked for the Corporate Environment Responsibility (CER) to meet expenditures for the development of the surrounding villages. The details of activities to be undertaken and the budget allocated are given in Table below:

S. No	Area of Concern	Action Plan	Budget Allocated (in Lakhs)
1.	Employment	Vocational Training for Skill development for self-employment like	2.00
2.	Health Camp	Health, Eye etc. check up camp will be organized for villagers	2.00
3.	Educational Facility	Distribution of School dress, books, Furniture, water cooler etc	2.00
		Total	6.00

ANNEXURE XI
Copy of CTE & CTO



UTTAR PRADESH POLLUTION CONTROL BOARD
Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

Validity Period :25/07/2021 To 26/07/2026

Ref No. - 132430/UPPCB/Gorakhpur(UPPCBRO)/CTE/MAHARAJGANJ/2021

Dated:- 16/08/2021

To ,

Shri VINAY KUMAR RAI
M/s MS AV BIOMEDICAL WASTE SERVICES
Village- Rajdhani, Tehsil- Nautanwa, Maharajganj, Uttar Pradesh.
MAHARAJGANJ

Sub : Consent to Establish for New Unit/Expansion/Diversification under the provisions of Water (Prevention and control of pollution) Act, 1974 as amended and Air (Prevention and control of Pollution) Act, 1981 as amended.

Please refer to your Application Form No.- 12918601 dated - 25/07/2021. After examining the application with respect to pollution angle, Consent to Establish (CTE) is granted subject to the compliance of following conditions :

1. Consent to Establish is being issued for following specific details :

A- Site along with geo-coordinates : Khasra no-274 and 279, Village-Rajdhani, Tehsil-Nautanwa, Maharajganj, Pin code- 273162

B- Main Raw Material :

Main Raw Material Details		
Name of Raw Material	Raw Material Unit Name	Raw Material Quantity
Biomedical waste	Metric Tonnes/Day	0

C- Product with capacity :

Product Detail	
Name of Product	Product Quantity
CBWTF capacity 5000 Kg/day	150

D- By-Product if any with capacity :

By Product Detail			
Name of By Product	Unit Name	Licence Product Capacity	Install Product Capacity
NA	Metric Tonnes/Day	0	0

2. Water Requirement (in KLD) and its Source :

Source of Water Details		
Source Type	Name of Source	Quantity (KL/D)
Ground Water (within premises)	Borewell	10.0

3. Quantity of effluent (In KLD) :

Effluent Details	
Source Consumption	Quantity (KL/D)
Domestic	2.0
aaa	8.0

4. Fuel used in the equipment/machinery Name and Quantity (per day) :

Fuel Consumption Details		
Fuel	Consumption(tpd/kld)	Use
Diesel	0.56	use in incinerator of capacity 250 Kg/hour
Diesel	0.01	use in DG set of capacity 32 KVA

5. For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.

For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.

2. You are directed to furnish the progress of Establishment of plant and machinery, green belt, Effluent Treatment Plant and Air pollution control devices, by 10th day of completion of subsequent quarter in the Board.
3. Copy of the work order/purchase order, regarding instruction and supply of proposed Effluent Treatment Plant/Sewerage Treatment Plant /Air Pollution control System shall be submitted by the industry till 26/07/2026 to the Board.
4. Industry will not start its operation, unless CTO is obtained under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and control of Pollution)Act, 1981 from the Board.
5. It is mandatory to submit Air and Water consent Application,complete in all respect, four months before start of operation, to the U.P. Pollution Control Board.
6. Legal action under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act,1981 may be initiated against the industry With out any prior information,in case of non compliance of above conditions.

Specific Conditions:

1. This CTE of M/s AV BIOMEDICAL WASTE SERVICES is only valid for establishment of Common Bio Medical Waste Treatment Facility (CBWTF) at Khasra no-274 and 279, Village-Rajdhani, Tehsil-Nautanwa, Maharajganj, Pin code- 273162.
2. This CTE is only valid for common facility for Bio medical waste treatment through double chambered incinerators of capacity 250 Kg/hr, Autoclave 1000 Kg/batch, Shredder 150 Kg/Hr and Chemical Disinfection Tank 1500 liters as proposed.
3. The CTE shall only be valid with the effect from the date on which the proponent obtains Environmental Clearance (EC) from SIEAA, UP
4. The proponent should not start construction activities before obtaining Environmental Clearance (EC) from SIEAA, UP, failing which this CTE would be deemed cancelled. The Construction Work/installation of plant and machinery for the establishment of CBWTF shall only be started after obtaining the Environmental Clearance under the Environment (Protection) Act, 1986.
5. The CBWTF shall achieve Zero Liquid Discharge as proposed and in no effluent shall be allowed discharged from the CBWTF.
6. The proponent shall submit adequacy of proposed Water Pollution Control System, Air Pollution Control System and Zero Liquid Discharge System done by reputed technical Institution like IIT/NPC etc.
7. CBWTF shall strictly comply with the CPCB guidelines dated 21.12.2016 for setting up the Common Bio Medical Waste Treatment Facility.
8. CBWTF shall install ETP of capacity-10.0 KLD for treatment of effluent generated from the process.
9. CBWTF shall provide the arrangement for storage of incinerator ash as per CPCB guidelines and shall obtain membership of Common TSDF for disposal of incineration ash.
10. CBWTF shall comply with the emission Standard for treatment and disposal of Biomedical waste by incineration as per Schedule-II of BMW Rules 2016.
11. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Waste (Management and Handling) Rules, 2016.
12. Record w.r.t. operational parameter of autoclave such as temperature pressure etc. as well as records for validation test conducted to check efficiency of autoclave shall be maintained.
13. Incinerator shall be operated in accordance with Bio-Medical Waste Management Rules, 2016 w.r.t. maintenance of Temperature for primary and secondary chamber of incinerator.
14. Incinerator Ash shall be disposed through TSDF and Log books/records shall be maintained properly for generation and disposal of incinerator Ash.
15. The water generated from scrubbing system of incinerator shall be treated through ETP and treated water shall be recycled for scrubbing purpose and for irrigation in the premises. No effluent shall be discharged directly or indirectly outside the premises.
16. Discarded medicine shall be disposed in incinerator as per BMW Rule, 2016 and sharp pit shall be provided for disposal of waste sharp as per CPCB Guidelines.
17. The CBWTF shall comply with the Bio Medical Waste Management Rules 2016 and annual report shall be submitted.
18. The CBWTF shall comply with the provisions of Hazardous and Other waste (Management and Trans boundary Movement) Rules, 2016.
19. The facility shall ensure bar coding system to be adopted by member of healthcare facility in accordance with Bio Medical Waste Management Rules 2016.

20. The CBWTF shall obtain the State Ground Water Department permission for withdrawal of ground water and also comply with the CGWA guidelines for recharging of ground water.
21. The Facility shall develop and maintain green belt as per the guidelines issued by the Board vide office order dated 16/02/2018, which is available on Board's Website- www.uppcb.com.
22. The Separate space for untreated Bio Medical Waste shall be provided by facility as per CPCB guidelines/Bio Medical Waste Management Rules 2016.
23. The Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
24. The CBWTF shall install Online Continuous Emission Monitoring System and Online Continuous Effluent Monitoring System with data connectivity to CPCB server before commissioning of the plant.
25. The Onsite emergency plan approved by the competent authority shall be submitted to board.
26. The Project shall install at least 0.5 meter from roof level along with acoustic enclosures on DG set of capacity 32 KVA for use of backup power.
27. The dust emission from the construction sites will be completely controlled and all precautions will be taken as per the provisions of Construction & Demolition Waste Management Rules 2016.
28. The CBWTF shall comply the provisions of Environment (Protection) Act 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended. CBWTF shall operate the plant after taking CTO under the provisions of Water Act 1974 and Air Act 1981 from the Board.
29. The Project shall comply with the provisions of SWM Rules 2016 and provide facility for safe disposal of generated solid waste in housing project area.
30. The CBWTF shall comply with the Guideline of CPCB and shall only cater to beds which are in addition to 10,000 beds admissible to pre-existing CBWTFs located within 75 km radius.
31. The CBWTF shall comply with the relevant provisions of Environmental Laws.
32. To ensure the compliance of CTE condition from 1 to 31 a Bank Guarantee of Rupees 3,00,000/- (Three Lacs only) in the prescribed format shall be submitted to the Board within 15 days, failing which this CTE would deemed void.

Please note that consent to Establish will be revoked, in case of, non compliance of any of the above mentioned conditions. Board reserves its right for amendment or cancellation of any of the conditions specified above. Industry is directed to submit its first compliance report regarding above mentioned specific and general conditions till 16/09/2021 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

Chief Environmental Officer, Circle-6

Dated:- 16/08/2021

Copy To -

Regional Officer, U.P. Pollution Control Board, Gorakhpur for information and necessary action.

Chief Environmental Officer, Circle-6



Uttar Pradesh Pollution Control Board

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

198603/UPPCB/Gorakhpur(UPPCBRO)/CTO/both/MAHARAJGANJ/2023

Date: 16/01/2024

To,

M/s

MS AV BIOMEDICAL WASTE SERVICES

Village- Rajdhani, Tehsil- Nautanwa, Maharajganj, Uttar Pradesh.

**Application Id-
23911826**

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule-6(2) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 notified under Environment (Protection) Act, 1986 as applicable (to be referred hereinafter as Water Act, Air Act and HW Rules respectively).

CCA is hereby granted to **MS AV BIOMEDICAL WASTE SERVICES** located at **Village- Rajdhani, Tehsil- Nautanwa, Maharajganj, Uttar Pradesh.** . subject to the provisions of **the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016** and the orders that may be made further and subject to following terms and conditions :-

1. This CCA MS AV BIOMEDICAL WASTE SERVICES **granted for the period from 15/12/2023 to 31/12/2027** and valid for manufacturing of following products.

S No	Product	Quantity	Unit
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2. **Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-**

(i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	02 KLD	Septic Tank	
Industrial	ZLD (Zero Liquid Discharge)	ETP	Reused in scrubber for cooling purpose and green belt purpose

(ii) Trade Effluent Treatment and Disposal :-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

Industrial Effluent Quality Standard

S.No.	Parameter	Standard
-------	-----------	----------

(iv) Sewage Treatment and Disposal :- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pH	As per E(P)A Rules, 1986
2	BOD (mg/L)	As per E(P)A Rules, 1986
3	TSS (mg/L)	As per E(P)A Rules, 1986
4	Fecal Coliform (MPN/100ml)	As per E(P)A Rules, 1986

3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	Incinerator 250 Kg/Hr	Diesel Oil	1	Particulate Matter	As per E(P)A Rules, 1986
2	32 KVA DG Set	Diesel Oil	2	Sulphur Dioxide	As per E(P)A Rules, 1986

Emission Quality Standards

S No.	Stack no	Parameters	Standards
1	1	Particulate Matter	As per E(P)A Rules, 1986
2	2	Sulphur Dioxide	As per E(P)A Rules, 1986

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

(ii) The unit will not use any type of restricted fuel.

iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows :-

Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

4. Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 :-

The Factory Manager of M/s MS AV BIOMEDICAL WASTE SERVICES. is hereby granted an authorization to operate a facility for collection and storage of Hazardous wastes. The authorization is granted to operate a facility for generation, collection and storage of hazardous wastes within factory premises for following category of wastes:-

S.No.	Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity(ton/annum)
1	Cat-36.2 (Ash from incineration of hazardous waste, flue gas cleaning residues)	Through TSDF	8.0 MTA
2	Cat-36.1 (Sludge from Wet Scrubbers)	Through TSDF	0.2 MTA

The authorization shall be in force and shall be valid upto 31/12/2027. The authorization is subject to the conditions stated below and such conditions as may be specified in the rules for the time being in force under Environment (Protection) Act, 1986.

Terms and conditions of Hazardous Waste authorization :-

- (i) The authorization shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
- (ii) The authorization and its renewal shall be produced for inspection at the request of an officer authorized by the SPCB.
- (iii) The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous wastes without obtaining prior permission of the SPCB.
- (iv) Any unauthorized changes in personnel, equipment as working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- (v) It is the duty of the authorized person to take prior permission of the SPCB to close down the facility.
- (vi) An application for the renewal of an authorization shall be made as laid down under these rules.
- (vii) The unit shall comply with any other conditions specified in the guidelines issued by the MoEF or CPCB/SPCB from time to time.
- (viii) The authorization is valid for temporary storage of Hazardous Waste within premises only.
- (ix) The authorized agency shall ensure that on-line data with regard to quantity and nature of hazardous chemicals being used in the plant as well as air emission and waste generated within premises is displayed on Display Board of size 6x4 feet outside the main factory gate within premises
- (x) It is duty of the authorized person to take prior permission of this Board to close and cleanup the facility for treatment, storage and disposal of hazardous waste.
- (xi) The applicant shall maintain record of hazardous waste in Form-3 and shall submit annual return in Form-4 on or before the 30th day of June following to the financial year to which that return relates.
- (xii) In no case any hazardous waste shall be disposed off on land, in any drain, or into any water stream. All spillage must also be safely collected and stored.

(xiii) Before the hazardous waste is stored or dumped in the facility, applicant must conduct a detailed physical and chemical analysis of hazardous waste sample and report to the Board.

(xiv) Dried hazardous sludge from the process in the plant shall be stored in double lined HDPE pit constructed with R.C.C. or such material which does not react with the waste contained in it.

(xv) The storage area should be fenced properly and Sign/Notice Board indicating 'Danger' and 'Hazardous' shall be displayed at appropriate position both in Hindi and English.

(xvi) The industry shall store non-ferrous metal waste, used oil/spent oil waste in sealed drums placed on impervious floor under covered shed. Hazardous waste if required shall be sold only to Registered Recyclers/Re-processors.

(xvii) In case of any transportation of hazardous waste, the details in Form-10 of the Hazardous and Other Wastes Rules, 2016 shall be submitted to the Board.

5. Essential documents to be submitted by the Industry/Unit as Applicable:-

(i) Annual return in Form-4 and Waste Disposal Manifest in Form-10 under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and Third Party Audit Report.

(ii) Environment Statement in Form-V of Environment (Protection) Rules, 1986.

(iii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.

6. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.

7. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will result in legal action under the aforesaid Acts and Rules.

8. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-<http://www.upecp.in/TrainingSession.aspx> for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.

9. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

General Conditions:-

1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.

2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.

3. Treated Industrial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.

4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.

5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof

6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.

7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.

8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

Specific Conditions:-

1. This consent is valid for CBWTF at Khasra no-274 and 279, VillageRajdhani, Tehsil-Nautanwa, Maharajganj, Pin code- 273162 by M/s AV Biomedical Waste Services having plant-Incinerator 250 Kg/Hr, Autoclave 1000 Kg/batch, Shredder 150 Kg/Hr and Chemical Disinfection Tank 1500 liters.
2. This CCA is valid for Zero Liquid Discharge (ZLD) as per the CTE and EC. In no case trade effluent is allowed to discharge from the CBWTF”.
3. The CBWTF shall submit the flue gas monitoring report from incinerator and treated effluent quality report from the ETP after commissioning of CBWTF within 01 month from the issuance of this CTO.
4. The all conditions mentioned in the environmental clearance issued by SEIAA vide EC Identification No. EC23B057UP186256 dated 27.03.2023 shall prevail on this CCA.
5. Separate Energy meter shall be installed for recording the electricity consumption in the operation of the ETP and a log book is maintained.
6. ETP shall be operated and maintained to ensure that the treated effluent shall meet the prescribed standards.
7. Proper and regular operation of GPS equipments, installed in all the vehicles plying to collect and transport Bio Medical Waste, shall be ensured.
8. The CBWTF shall submit the valid NOC from U.P. Ground Water Board for Abstraction of Ground Water within 03 months failing which this CTE would be deemed cancel.
9. CBWTF will strictly comply with the CPCB guidelines dated 21.12.2016 for setting up the Common Bio Medical Waste Treatment Facility.
10. CBWTF will comply with the emission Standard for treatment and disposal of Common Bio medical waste by incineration as per Schedule-II of BMW Rules 2016.

11. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Waste (Management and Handling) Rules, 2016.
12. Record w.r.t. operational parameter of autoclave such as temperature, pressure etc. as well as records for validation test conducted to check efficiency of autoclave shall be maintained.
13. The incinerator is operated in accordance with Bio-Medical Waste Management Rules, 2016 w.r.t. maintenance of temperature for primary and secondary chamber of incinerator.
14. The water generated from scrubbing system of incinerator shall be treated through ETP and treated water shall be recycled for scrubbing purpose and for irrigation in the premises. No effluent shall be discharged directly or indirectly outside the premises.
15. Discarded medicine will be disposed in incinerator as per BMW Rule, 2016 and sharp pit shall be provided for disposal of waste sharp as per CPCB Guidelines.
16. The CBWTF will comply with the Bio Medical Waste Management Rules 2016 and annual report shall be submitted.
17. The CBWTF will comply with the provisions of Hazardous and Other waste (Management and Trans boundary Movement) Rules, 2016.
18. The facility will ensure bar coding system to be adopted by member of healthcare facility in accordance with Bio Medical Waste Management Rules 2016.
19. The CBWTF will comply with the Guideline of CPCB and will only cater to beds which are in addition to 10,000 beds admissible to pre-existing CBWTFs located within 75 km radius.
20. CBWTF will comply with the relevant provisions of Environmental Laws.
21. Latest attested copy of Balance sheet/Audited C.A. Certificate indicating (Fixed Assets + Current Assets- Current Liabilities) for the financial year 2018-2019 should be submitted to verify the consent fee payable by the industry.
22. All Non-Chlorinated plastic Bags shall be used as per BIS standards and prevailing Plastic Waste Management Rules, 2016.
23. The wastes must be safely collected in leak proof containers and shall be duly marked in a manner suitable for handling, storage and transport and the packaging shall be easily visible and be able to withstand physical conditions and climatic factors. All hazardous waste containers / bags shall be provided with a general label. The storage area should be at an isolated spot in the premises and must be fenced, covered and duly marked.
24. The authorized person/agency shall ensure that no adverse impact on the air, soil and water including groundwater takes place due to activities for which authorization has been requested. Comprehensive safety measures must be followed in handling of wastes and the staff must be properly trained.
25. It is brought to your notice that as per the order dated 14-11-2003 passed by the Hon'ble Supreme Court in W.P. (c) No. 657 of 1995, no industry covered under Hazardous and other Wastes (Management and Trans boundary Movement) Rules, 2016 shall be allowed to operate without valid authorization. It is also provided

in the same orders that industries which are not complying with the conditions of authorization shall not be allowed to operate. Hence in case you fail to apply for authorization, before its expiry or fail to comply with conditions of the earlier authorization issued to you, closure order shall be issued against your industry without any further notice.

26. The applicant must file returns on prescribed Form- 4 along with a compliance report of this letter and should also maintain records on Form 3 and present it to Board's inspecting officials.

27. In case of occurrence of an accident, complete details on form must be sent to U.P. Pollution Control Board at the earliest along with details of mitigate and remedial measures taken.

28. The authorized person/agency shall not receive, collect, or store any hazardous waste from any unauthorized occupier or generator of hazardous wastes. In case any hazardous wastes is sold to any other reprocessing unit it must be ensured that such unit is fully complying with environmental requirements and has a valid authorization of the Board.

29. In no case any hazardous wastes shall be disposed off on land, in any drain or stream. All spillages of hazardous chemicals, used containers, of hazardous chemicals such as flammable corrosive, explosive and toxic nature must be safely collected and stored. Non-compatible wastes must be suitably and safely handled.

30. It is within the powers and functions of the U.P. Pollution Control Board to modify / revoke the terms and conditions of the authorization/Registration issued under the Rule – 7 of Hazardous and Other Wastes (Management and Tran boundary Movement) Rules, 2016.

31. You are directed to display on-line data/display board outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises. Necessary compliance should be sent within 15 days of receipt of this letter.

32. It is the mandatory duty of the authorized person/agency to comply with the guidelines for transportation of hazardous waste in accordance with rule 18 of Hazardous and Other Waste (Management and Tran boundary Movement) Rules, 2016.

33. It should be ensured that hazardous wastes shall be properly collected and packed in HDPE bags and then temporarily stored in a lined RCC tank/pit with suitable shed.

34. An ETP sludge test report of a laboratory approved under E.P. Act shall be submitted along with compliance of this letter of this office.

35. Used oil will be sold only to recyclers registered with U.P. Pollution Control Board. The record shall be maintained.

36. The occupier, transporter and operator of a facility shall be liable for damages caused to the environment resulting due to improper handling and disposal of hazardous waste listed in schedule 1,2, and 3 and shall be liable to pay a fine as levied by the State Pollution Control Board under the rules.

37. Details of raw material (which is Hazardous waste) and product along with quantity shall be sent within a month.

38. You shall become the member of any common TSDF for S.L.F. which has been authorized by UPPCB and send the stored hazardous wastes for final disposal to the TSDF and report back to U.P.P.C.B. with the required manifesto (document of proof) within one/three month of this letter.

39. The unit shall ensure that H.W. is regularly sent to Authorized common TSDF and shall not store for more than 90 days in accordance with under rule 8 of HOWM Rules, 2016.

40. Copies of Hazardous Waste Manifest in Form-10 shall be sent regularly to UPPCB for each category of waste sent to TSDF/Incinerator.

41. This authorization/Registration is valid till the industry is having valid consent as per the provisions of Air(Prevention and Control of Pollution) Act 1981 and Water (Prevention and Control of Pollution) Act, 1974.

42. The authorized actual user of hazardous and other wastes shall maintain records of hazardous and other

wastes purchased in a passbook issued by the State Pollution Control Board along with the authorization.

43. The industry shall submit the colored photo graph of display board within 15 days.

44. Closure order is issued by CPCB or UPPCB against any defaulting unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be from the date of issuance of closure order revocation, with additional conditions mentioned in the closure revocation order.

45. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this CCA and attract action under the provisions of Environment (Protection) Act, 1986.

Chief Environmental Officer, Circle-6

Copy to:

Regional Officer, U.P. Pollution Control Board, Gorakhpur for information and necessary action.

Chief Environmental Officer, Circle-6



मिशन LIFE - पर्यावरण के लिए जीवन शैली (Lifestyle For Environment) जनसहभागिता का सन्देश



- स्वच्छता – देशसेवा में अपने परिवेश की स्वच्छता हेतु अपना सक्रिय योगदान सुनिश्चित करें
- संकल्प लें -एकल उपयोग प्लास्टिक उत्पाद जैसे कप, तश्तरी, चम्मच, स्ट्रॉ, ईयरबड्स आदि का उपयोग न हो एवं पर्यावरण अनुकूल विकल्पों जैसे कागज/पत्तों से बने दोने या कटलरी को प्राथमिकता दी जाय |
- एकल उपयोग प्लास्टिक उत्पाद के प्रयोग को रोकने एवं प्लास्टिक बैग के बजाय कपड़े के थैले का उपयोग करने मात्र से 375 मिलियन टन ठोस (प्लास्टिक) कचरे का उत्सर्जन बचाया जा सकता है
- चक्रीय अर्थव्यवस्था (सर्कुलर इकोनॉमी) का समुचित कार्यान्वयन वर्ष 2030 तक लगभग 14 लाख करोड़ रुपये की अतिरिक्त बचत उत्पन्न कर सकता है | वेस्ट /अपशिष्ट फेकने के पूर्व सोचें, ये किसी का संसाधन तो नहीं ...?
- अनुपयोगी इलेक्ट्रिक / इलेक्ट्रॉनिक उत्पाद को कचरे में फेकने से रुकें | इसके उपयुक्त निस्तारण हेतु इसे प्राधिकृत ई – वेस्ट रीसाइकलर को दें | प्राधिकृत ई-रीसाइकिलिंग इकाई में अनुपयोगी इलेक्ट्रिक / इलेक्ट्रॉनिक उत्पाद को देने मात्र से 0.75 मिलियन टन तक ई-कचरे का पुनर्चक्रण किया जा सकता है एवं ई-कचरे के विषम पर्यावरणीय दुष्प्रभाव से बचा जा सकता है
- बाहर जाते समय - सोचें कि क्या आपको वास्तव में परिवहन की आवश्यकता है - वह भी क्या व्यक्तिगत रूप से ? छोटी दूरी के लिए पैदल चलना पसंद करें, अथवा सम्भव हो तो कार पूल के रूप में संसाधन को साझा करें अथवा सार्वजनिक परिवहन पर विचार करें
- घरेलू स्तर पर कम से कम ठोस अपशिष्ट का उत्सर्जन करें और इनका प्रथाक्रीकरण करें
- उपयोगी शेष खाद्य सामग्री आपके स्वयं प्रयास अथवा निकटस्थ सक्रिय स्वयं सेवी संस्थाओं की सहायता से समाज के वंचित वर्ग तक पहुंचाई जा सकती है | वहीं अनुपयोगी भोजन /खाद्य सामग्री को कंपोस्ट (वर्मी कम्पोस्ट) करने से 15 अरब टन भोजन को नष्ट होने से बचाया जा सकता है
- ध्यान रखें - उपयुक्त नल और शावर के उपयोग से पानी की खपत को 30 - 40% तक कम किया जा सकता है। एवं उपयोग में न होने पर नलों को बंद रखने मात्र से 9 ट्रिलियन लीटर पानी बचाया जा सकता है
- ट्रैफिक लाइट/रेलवे क्रॉसिंग पर कार/स्कूटर के इंजन बंद करने मात्र से 22.5 बिलियन kWh तक ऊर्जा की बचत हो सकती है
- परम्परागत बल्ब के स्थान पर CFL का उपयोग बिजली की खपत में प्रभावी कमी लाते हैं | उपयोग में न होने पर बिजली उपकरणों को बंद करें | स्टार रेटेड विद्युत उपकरणों के उपयोग को प्राथमिकता दें

हमारे द्वारा अपनी जीवन शैली की प्राथमिकताओं का उचित और पर्यावरण अनुकूल पुनर्निर्धारण समाज और पर्यावरण के प्रति हमारा दायित्व है |

ANNEXURE XII
Copy of MoU with TSDF

To,

M/s. AV Bio Medical Waste Services
Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa,
District-Maharajganj, 273164

Valid From: 12th December 2023

Valid Till: 11th March 2024

Sub: - Provisional Membership of UPWMP (CHW-TSDF) Site, Kanpur Dehat.

Dear Sir,

We thank you for your enrolment as an esteemed member of Re Sustainability Limited at our UPWMP TSDF. We welcome you as a **PROVISIONAL MEMBER** of Uttar Pradesh Waste Management Project (A division of Re Sustainability Limited) for utilizing our Common Hazardous Waste Treatment, Storage Disposal Facility [CHW-TSDF] to dispose your Hazardous Waste safely & securely.

Your Provisional Membership No. is **UPWMP-KNP-HzW-CHW-TSDF – 2366**.

This membership is valid for **90 days** as above mentioned dates.

In the meantime, you are requested to complete the following steps and begin active disposal of wastes.

1. Submission of Hazardous Waste generation types, quantity and categorization as per "Hazardous & Other waste (Management and Transboundary movement) Rules - 2016" to complete the membership and to obtain permanent membership from our TSDF.
2. Submission of Hazardous Waste Comprehensive Analysis report as per the all parameters and standards prescribed by CPCB in the guidelines of Hazardous waste Management series: Hazwams/32/2005-2006

We will provide all the possible guidance and assistance to enable you to complete all the formalities.

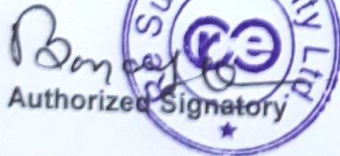
We acknowledge the receipt of your Membership Form.

Please feel free to contact for any clarification.

Thanking you,

Yours truly,

For **Uttar Pradesh Waste Management Project**,
[A Division of Re Sustainability Limited]
(Formerly known as Ramky Enviro Engineers Ltd)


Authorized Signatory

Re Sustainability Limited

CIN No. U74140TG1994PLC018833

Registered Office:

Level 11B, Aurobindo Galaxy,
Hyderabad Knowledge City, Hitech City Road,
Hyderabad - 500081,
Telangana

Site Address:

Uttar Pradesh Waste Management Project
Plot No.672, On NH-19 Sikandra Road,
Village - Kumbhi, Tehsil - Akbarpur,
District Kanpur Dehat - 209101
Uttar Pradesh



Certificate No. 23EQKT95, ISO 9001:2015
Certificate No. 23EEKH88, ISO 14001:2015
Certificate No. 23EOKQ81, ISO 45001:2018

NABL Accredited Laboratory
[ISO/IEC 17025:2017], Certificate No. TC-11283



T: +91 93357 45566
E: upwmp@resustainability.com

ANNEXURE XIV

Power Certificate

TAX INVOICE

POORVANCHAL VIDYUT VITRAN NIGAM LIMITED, VARANASIDLW Bhikharipur,
Varanasi :- 221004

GSTIN No 09AADCP4092M5ZT

Bill to	Place of Supply	INVOICE No	Dated
AV BIOMEDICAL WASTE SERVICE 1F964 VARDAN KHAND GOMTI NAGAR EXTENTION LUCKNOW GSTIN No:-09ABUFA6591R1Z5	AV BIOMEDICAL WASTE SERVICE Village- Rajdhani, Tehsil- Nautanwa, Maharajganj, Uttar Pradesh. ,MAHARAJGANJ,273162,MAHARAJGANJ, Uttar Pradesh	14531299	13/09/2023
Description of Services		SAC CODE	Amount
Security Deposit			136400.00
System Loding Charge		998631	0.00
Line Charge OverHead		998631	394399.00
Line Charge Under Ground		998631	0.00
Meter Cost		998631	8483.06
Additional GST Amount		998631	
Total			539282.06
Less Discount			0.00
Taxable Value			402882.06
ADD CGST 9%		9%	36259.38
ADD SGST 9%		9%	36259.38
Total			611800.82
Amount Chargeable (in words) Six Lakh Eleven Thousand Eight Hundred Rupees and Eighty Two Paise Only		Executive Engineer EDD NAUTANWAN	

ANNEXURE XV
Monitoring Reports



TEST REPORT

TEST REPORT NO.: ETS/1471-4/05/2024

DATE OF REPORT: 14.05.2024

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL-NAUTANWA,
MAHARAJGANJ, UTTAR PRADESH

Date of Monitoring : 09.05.2024

Analysis Start Date : 11.05.2024

Analysis End Date : 14.05.2024

Duration Of Monitoring : 09.05.2024 To 10.05.2024

Time Of Monitoring : 10.30 AM To 10.30 AM (24 Hrs.)

Sample ID No : 1471-4

Sampling Done By : ETS STAFF

Sampling Location : PROJECT SITE

Sampling Method : ETS/STP/AIR-01

Sampling Machine Placed At Height : 1.5 METER FROM GROUND LEVEL

Weather Condition : CLEAR Ambient Temperature: 38.0 °C

Wind Direction : E To W

Equipment Used : Respirable Dust Sampler (PM₁₀) + Fine Particulate Sampler (PM_{2.5})

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM ₁₀)	µg/m ³	83.7	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters,(PM _{2.5})	µg/m ³	24.9	For 24 Hrs.=60	IS 5182 (Part-24)
3	Sulphur Dioxide, (SO ₂)	µg/m ³	13.1	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO ₂)	µg/m ³	33.5	For 24 Hrs.=80	IS: 5182 (Part-6)
5	Carbon Monoxide,(CO)	mg/m ³	0.50	For 1 Hrs.=4	IS 5182 (Part-10)

*****End of Test Report*****



For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-01, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
2. The results indicated only refer to the tested samples and listed applicable parameters.
3. No complaint will be entertained if received after 7 days of issue of test report.
4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.



ENVIRO-TECH SERVICES

An Analytical Laboratory



(A GOVERNMENT APPROVED LAB)

Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/1471-5/05/2024

DATE OF REPORT: 14.05.2024

AMBIENT NOISE MONITORING REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL-NAUTANWA,
MAHARAJGANJ, UTTAR PRADESH

Date of Monitoring : 09.05.2024
Monitoring Start Date : 09.05.2024
Monitoring End Date : 10.05.2024
Duration Of Monitoring : 24 HOURS
Sample ID No : 1471-5
Monitoring Done By : ETS STAFF
Sampling Location : PROJECT SITE
Sampling Method : ETS/STP/NOISE-01
Category Of Area : INDUSTRIAL AREA

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Day Time Noise Level	Leq :dB (A)	49.3	75	IS: 9989
2	Night Time Noise Level	Leq :dB (A)	38.9	70	IS: 9989

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

*****End of Test Report*****



For ENVIRO-TECH SERVICES
MD HUMRAJ
AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-02, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

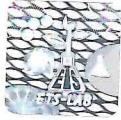
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4. Our liability is limited to invoice value only.
5. The sample shall be destroyed after 15 days & Biological / Perishable sample shall be destroyed immediately after issue of test report.
6. This test report shall not be used in any advertising media or as evidence in the court of Law without prior written permission of the laboratory.



(A GOVERNMENT APPROVED LAB)

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/1471-1/05/2024

DATE OF REPORT: 14.05.2024

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL-NAUTANWA,
MAHARAJGANJ, UTTAR PRADESH.

Date of Sampling : 09.05.2024
Analysis Start Date : 11.05.2024
Analysis End Date : 14.05.2024
Sample ID No : 1471-1
Sampling Done By : ETS STAFF
Sampling Description : GROUND WATER
Sampling Location : FROM BOREWELL
Sampling Method : ETS/STP/WATER-02
Sample Quantity : 2.0 + 0.5 Ltr.
Packing Condition : SEALED
Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
				Desirable	Permissible	
PHYSICAL & CHEMICAL PARAMETERS;						
1	Colour	Hazen	<5.0	5	15	APHA 2120-B
2	pH	...	7.36	6.5 - 8.5	No Relaxation	APHA 4500-H+
3	Turbidity	NTU	<1.0	1	5	APHA 2130-B
4	Total Hardness,(CaCO ₃)	mg/L	176.0	200	600	APHA 2340-C
5	Total Alkalinity,(CaCO ₃)	mg/L	168.0	200	600	APHA 2320-B
6	Total Dissolved Solids,(TDS)	mg/L	403.0	500	2000	APHA 2540-C
7	Chloride,(Cl)	mg/L	32.0	250	1000	APHA 4500:(Cl-)-B
8	Calcium,(Ca)	mg/L	40.5	75	200	APHA 3500:(Ca)-B
9	Fluoride,(F)	mg/L	0.11	1	1.5	APHA 4500:(F-)-D
10	Nitrate,(NO ₃)	mg/L	<0.1	45	No Relaxation	APHA 4500:(NO ₃ -)-B
11	Sulphate,(SO ₄)	mg/L	24.0	200	400	APHA 4500:(SO ₄)-E
12	Magnesium,(Mg)	mg/L	18.2	30	100	APHA 3500:(Mg)-B
13	Conductivity	µs/cm	612.0	Not Specified	Not Specified	APHA 2510-B



For Enviro-Tech Services

Pushpal Mittal
AUTHORIZED SIGNATORY
Lab In-charge

Format No ETS/LAB/TR-09, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

1. Test reports without ETS LAB HOLOGRAM are not issued by our laboratory.
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ENVIRO-TECH SERVICES

An Analytical Laboratory



ISO 45001

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/1471-1/05/2024

DATE OF REPORT: 14.05.2024

WATER SAMPLE ANALYSIS REPORT

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
				Desirable	Permissible	
14	Total Kjeldahl Nitrogen (NH ₃)	mg/L	<0.01	Not Specified	Not Specified	APHA 4500:(N org)-B
HEAVY METALS;-						
15	Copper, (Cu)	mg/L	<0.01	0.05	1.5	APHA 3120B
16	Zinc, (Zn)	mg/L	<0.01	5	15	APHA-3120B
17	Lead, (Pb)	mg/L	<0.01	0.01	No Relaxation	APHA-3120B
18	Mercury, (Hg)	ug/L	<0.001	0.001	No Relaxation	APHA-3114C
19	Nickel, (Ni)	mg/L	<0.01	0.02	No Relaxation	APHA-3120B
20	Cyanide, (CN)	mg/L	NIL	0.05	No Relaxation	APHA 4500:(CN-)-D
21	Manganese, (Mn)	mg/L	<0.01	0.1	0.3	APHA-3120B
22	Iron, (Fe)	mg/L	0.17	1.0	No Relaxation	APHA-3120B
23	Sodium, (Na)	mg/L	68.0	Not Specified	Not Specified	APHA-3120B
24	Phosphate	mg/L	<0.05	Not Specified	Not Specified	APHA 4500:(P)-D

*****End of Test Report*****



For Enviro-Tech Services

Puskar Mittal
AUTHORIZED SIGNATORY
Lab In-charge

Format No ETS/LAB/TR-09, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

Note:-

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TEST REPORT

TEST REPORT NO.: ETS/1471-2/05/2024

DATE OF REPORT: 14.05.2024

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL-NAUTANWA,
MAHARAJGANJ, UTTAR PRADESH

Date of Sampling : 09.05.2024

Analysis Start Date : 11.05.2024

Analysis End Date : 14.05.2024

Sample ID No : 1471-2

Sampling Done By : ETS STAFF

Sampling Description : SURFACE WATER

Sampling Location : FROM POND

Sampling Method : ETS/STP/WATER-02

Sample Quantity : 2.0 + 0.5 Ltr.

Packing Condition : SEALED

Packed In : P.V.C. AND GLASS BOTTLE

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
				Desirable	Permissible	
PHYSICAL & CHEMICAL PARAMETERS;						
1	Colour	Hazen	<10.0	5	15	APHA 2120-B
2	pH	...	7.54	6.5 - 8.5	No Relaxation	APHA 4500-H+
3	Turbidity	NTU	<1.0	1	5	APHA 2130-B
4	Total Hardness,(CaCO ₃)	mg/L	340.0	200	600	APHA 2340-C
5	Total Alkalinity,(CaCO ₃)	mg/L	443.0	200	600	APHA 2320-B
6	Total Dissolved Solids,(TDS)	mg/L	864.0	500	2000	APHA 2540-C
7	Chloride,(Cl)	mg/L	87.3	250	1000	APHA 4500:(Cl ⁻)-B
8	Fluoride,(F)	mg/L	0.35	1	1.5	APHA 4500:(F ⁻)-D
9	Nitrate,(NO ₃)	mg/L	2.37	45	No Relaxation	APHA 4500:(NO ₃ ⁻)-B
10	Sulphate,(SO ₄)	mg/L	65.0	200	400	APHA 4500:(SO ₄ ⁻)-E
11	Conductivity	µs/cm	1223.0	Not Specified	Not Specified	APHA 2510-B

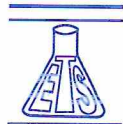


ENVIRO-TECH SERVICES
AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-09, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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ETS-LAB

ENVIRO-TECH SERVICES

An Analytical Laboratory



ISO 45001

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Plot No. 1/32, S.S. of G.T. Road Industrial Area, Ghaziabad (U.P.) - 201001

email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/1471-2/05/2024

DATE OF REPORT: 14.05.2024

WATER SAMPLE ANALYSIS REPORT

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
				Desirable	Permissible	
HEAVY METALS:-						
12	Copper,(Cu)	mg/L	<0.01	0.05	1.5	APHA 3120B
13	Zinc,(Zn)	mg/L	0.43	5	15	APHA-3120B
14	Lead,(Pb)	mg/L	<0.01	0.01	No Relaxation	APHA-3120B
15	Mercury,(Hg)	ug/L	<0.001	0.001	No Relaxation	APHA-3114C
16	Nickel,(Ni)	mg/L	<0.01	0.02	No Relaxation	APHA-3120B
17	Cyanide,(CN)	mg/L	NIL	0.05	No Relaxation	APHA 4500:(CN-)-D
18	Manganese,(Mn)	mg/L	<0.01	0.1	0.3	APHA-3120B
19	Iron,(Fe)	mg/L	0.34	1.0	No Relaxation	APHA-3120B
20	Cadmium,(Cd)	mg/L	<0.001	0.003	No Relaxation	APHA 3120B
21	Total Chromium,(Cr)	mg/L	<0.001	0.05	No Relaxation	APHA-3120B
ORGANIC MATTER						
22	Biological Oxygen Demand(BOD _{3d} 27°C)	mg/L	12.6	Not Specified	Not Specified	IS: 3025 (Part-44)
23	Chemical Oxygen Demand,(COD)	mg/L	57.0	Not Specified	Not Specified	APHA 5220-B
Residue Pesticides;						
24	Polynuclear Aromatic Hydrocarbons (as PAH)	mg/L	Present	0.0001	Not Specified	APHA 6440:2022
25	Polychlorinated biphenyls (as PCB)	mg/L	Present	0.0005	Not Specified	APHA 6630:2022

*****End of Test Report*****



ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

Format No ETS/LAB/TR-09, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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TEST REPORT

TEST REPORT NO.: ETS/1471-3/05/2024

DATE OF REPORT: 14.05.2024

SOIL ANALYSIS REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL-NAUTANWA,
MAHARAJGANJ, UTTAR PRADESH

Date of Sampling : 09.05.2024

Analysis Start Date : 11.05.2024

Analysis End Date : 14.05.2024

Sample ID No : 1471-3

Sampling Done By : ETS STAFF

Sampling Description : SOIL

Sampling Location : PROJECT SITE

Sampling Method : ETS/STP/SOIL-01

Sample Quantity : 2.0 Kg.

Packing Condition : SEALED

Packed In : POLY BAG

S. No.	Test Parameter	Unit	Result	Test Method
1	pH	...	7.73	IS 2720 (Part-26)
2	Cadmium,(Cd)	mg/kg	<0.01	USEPA-3050A
3	Copper,(Cu)	mg/kg	<0.01	USEPA-3050A
4	Lead,(Pb)	mg/kg	15.0	USEPA-3050A
5	Manganese,(Mn)	mg/kg	5.3	USEPA-3050A
6	Mercury,(Hg)	mg/kg	<0.01	USEPA-3050A
7	Nickel,(Ni)	mg/kg	17.0	USEPA-3050A
8	Total Chromium,(Cr)	mg/kg	13.0	USEPA-3050A
9	Electrical Conductivity (EC)	µs/cm	55.0	IS 14767
10	Total Organic Carbon,(TOC)	%	10.0	BS 1377 -3
11	Sodium,(Na)	mg/kg	14.0	USEPA-3050A
12	Potassium (K)	mg/kg	23.0	USEPA-3050A
13	Total Nitrogen (N)	mg/kg	21.0	APHA 4500:(Norg-)-B
14	Organic Matter,(OM)	%	<0.01	IS 2720 (Part-22)

*****End of Test Report*****



For ENVIRO-TECH SERVICES
AUTHORIZED SIGNATORY
MD HEMPRY
Quality Manager

Format No ETS/LAB/TR-12, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/1471-36/05/2024

DATE OF REPORT: 14.05.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL- NAUTANWA, MAHARAJGANJ,
UTTAR PRADESH

Date Of Sampling : 09.05.2024
Analysis Start Date : 11.05.2024
Analysis End Date : 14.05.2024
Duration Of Sampling : 30 MIN.
Sample ID No. : 1471-36
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/ STACK-01
Stack Attached To : DG SET
Capacity Of Stack : 35.0 KVA
Quantity Of Fuel Used : 5.0 LPH
Type Of Fuel Used : L.D.O
Stack Height Above Ground : 12.0 MTR.
Stack Dia At The Top : 100.0 MM
Material Of Construction : M.S.
Attached APCS : ACOUSTIC ENCLOSURE
D.G. Set Comm. Date : AFTER 01/04/2014 (> 19 KW To < 75 KW)
Normal Operating Schedule : AS PER REQUIRMENTS
Ambient Temperature : 38.0°C
Flue Gas Temperature : 145.0°C
Velocity Of Flue Gases : 8.7 MTR./SEC.
Quantity Of Emission Discharged : 245.86 m³/hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	g/kw-hr	0.09	0.3	IS 11255 (Part-1)
2	Sulphur Dioxide,(SO ₂)	mg/Nm ³	28.8	Not Specified	IS 11255 (Part-2)
3	Carbon Monoxide,(CO)	g/kw-hr	0.35	3.5	IS 13270
4	Oxide of Nitrogen (NO _x) + Hydro Carbon (HC)	g/kw-hr	1.21	4.7	IS-11255 (Part-7) & IS 15207

*****End of Test Report*****



For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
MD HUMRAJ
Quality Manager

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/1471-43/05/2024

DATE OF REPORT: 14.05.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL- NAUTANWA, MAHARAJGANJ,
UTTAR PRADESH.

Date Of Sampling : 09.05.2024
Analysis Start Date : 11.05.2024
Analysis End Date : 14.05.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1471-43
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : INCINERATOR
Capacity Of Stack : 250.0 KG/HR
Quantity Of Fuel Used : 250.0 LPH
Type Of Fuel Used : L.D.O
Stack Height Above Ground : 30.0 MTR.
Stack Dia At The Top : 200.0 MM
Material Of Construction : M.S
Attached APCS : ---
Normal Operating Schedule : AS PER REQUIRMENTS
Ambient Temperature : 38.0°C
Flue Gas Temperature : 130.0°C
Velocity Of Flue Gases : 7.2 MTR./SEC.
Quantity Of Emission Discharged : 813.88 m³/hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	43.5	50	IS-11255 (Part-1)
2	Oxide of Nitrogen,(NOX as NO ₂)	mg/Nm ³	112.8	400	IS-11255 (Part-7)
3	Acid Mist (HCl)	mg/Nm ³	8.4	50	Volumetric Method



For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

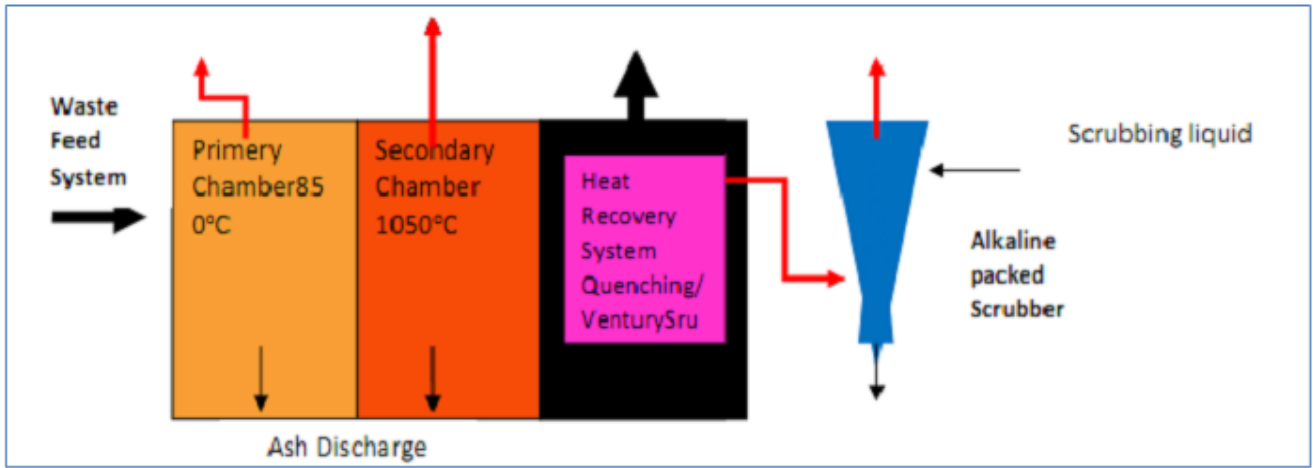
Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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ANNEXURE XVI

Photographs of equipments



Diagrammatic view of Incinerator



DRINKING
WATER TANK

PACKED
COLUMN

SECONDARY
TANK

EMERGENCY
TANK

WASTE FEEDING
SYSTEM

SOLIDIFICATION
CHAMBER

PRIMARY
CHAMBER





ANNEXURE XVII

Ventury scrubber with stack







ANNEXURE XVIII
Stack monitoring data



ENVIRO-TECH SERVICES

An Analytical Laboratory



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email : etslab2012@gmail.com | Website : www.etslab.in | Ph.: 9911516076, 9811736063



TEST REPORT

TEST REPORT NO.: ETS/1471-43/05/2024

DATE OF REPORT: 14.05.2024

STACK EMISSION MONITORING AND ANALYSIS REPORT

Name And Address of Customer : M/S AV BIOMEDICAL WASTE SERVICES
VILLAGE- RAJDHANI, TEHSIL- NAUTANWA, MAHARAJGANJ,
UTTAR PRADESH.

Date Of Sampling : 09.05.2024
Analysis Start Date : 11.05.2024
Analysis End Date : 14.05.2024
Duration Of Sampling : 30.0 MIN
Sample ID No. : 1471-43
Sampling Done By : ETS STAFF
Sampling Method : ETS/STP/STACK-01
Stack Attached To : INCINERATOR
Capacity Of Stack : 250.0 KG/HR
Quantity Of Fuel Used : 250.0 LPH
Type Of Fuel Used : L.D.O
Stack Height Above Ground : 30.0 MTR.
Stack Dia At The Top : 200.0 MM
Material Of Construction : M.S
Attached APCS : ---
Normal Operating Schedule : AS PER REQUIRMENTS
Ambient Temperature : 38.0°C
Flue Gas Temperature : 130.0°C
Velocity Of Flue Gases : 7.2 MTR./SEC.
Quantity Of Emission Discharged : 813.88 m³/hr

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per CPCB)	Test Method
1	Particulate Matters,(PM)	mg/Nm ³	43.5	50	IS-11255 (Part-1)
2	Oxide of Nitrogen,(NOX as NO ₂)	mg/Nm ³	112.8	400	IS-11255 (Part-7)
3	Acid Mist (HCl)	mg/Nm ³	8.4	50	Volumetric Method



For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
MOHINDERAJ
Quality Manager

Format No ETS/LAB/TR-05, Issue No. 05, Date 01.04.2019, Amd. No. 04 Date 01.04.2019

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ANNEXURE XIX
Photographs of ETP



ANNEXURE XX

Photographs of Magnetic flow meters





ANNEXURE XXI

Photographs of LED lights

ANNEXURE XXII
Photographs of Conveyor Belt



ANNEXURE XXIII

Photographs of parking facility



ANNEXURE XXIV

Photographs of fire-fighting facilities



ANNEXURE XXV
Copy of Emergency Plan

Impact Phase- Emergency Relief Measures

This phase includes measures taken immediately after the disaster.

The key activities are:-

- Rescue operation/Evacuation by teams (already identified) and providing basic infrastructure and movement to rescue centers.
- Functioning of District Control Room (DCR) & other Sub Divisional/Block/Tehsil/Line Departmental Control Rooms.
- Coordination meeting with officials at District Control Room at each 12 hours interval to take stock of the situation.
- Management of Rescue Shelters
- Monitoring Disaster Management by ensuring a line of control through Police & Paramilitary forces, Civil Defense, Fire services, Civilians, PSUs, NGOs etc.
- Administration of Relief

ANNEXURE XXVI

Copy of Environmental policy

M/s AV Biomedical Waste Services
1 F 964 Vardan Khand, Gomti Nagar Extension- 226010.
State- Uttar Pradesh.
e-mail: avbmwseVICES@gmail.com

ENVIRONMENT POLICY- M/s AV BIOMEDICAL WASTE SERVICES

- Effectively manage, monitor, improve and communicate the environmental performance.
- Take all reasonable steps to prevent pollution.
- Set realistic and measurable objectives and targets for continual improvement of the environmental performance.
- Ensure that all employees and contractors are trained to understand their environmental responsibilities and create an environment that adheres to the Company's Policies, procedures and applicable regulations.
- Minimize waste and increase recycling within the framework of waste management procedures.
- Comply fully with all relevant legal requirements, codes of practice and regulations.
- Identify and manage environmental risks and hazards.
- Hold leadership accountable for good environment performance of our operations and projects. Inherent in that accountability will be the commitment of management to provide resources and successfully create an appropriate environment.
- Reduce, recycle and reuse natural resources.
- The project proponent shall regularly review this policy and ensure that corrective and preventative actions are taken in order to ensure continual improvement.
- To treat all the pollutants viz. liquid and gaseous, which contribute to the degradation of the environment, with appropriate technologies.
- To comply with all regulations stipulated by the Central/State Pollution Control Boards related to air emissions and liquid effluent discharge as per air and water pollution control laws, to handle hazardous wastes as per the Hazardous & Other Wastes [Management and Transboundary Movement] Rules, 2016 of the Environment (Protection) Act, 1986.
- To encourage support and conduct developmental work for the purpose of achieving environmental standards and to improve the methods of environmental management.
- To make continuous efforts to improve environment.

Date: 02/02/2024
Place: Maharajganj

for M/s AV Biomedical Waste Services

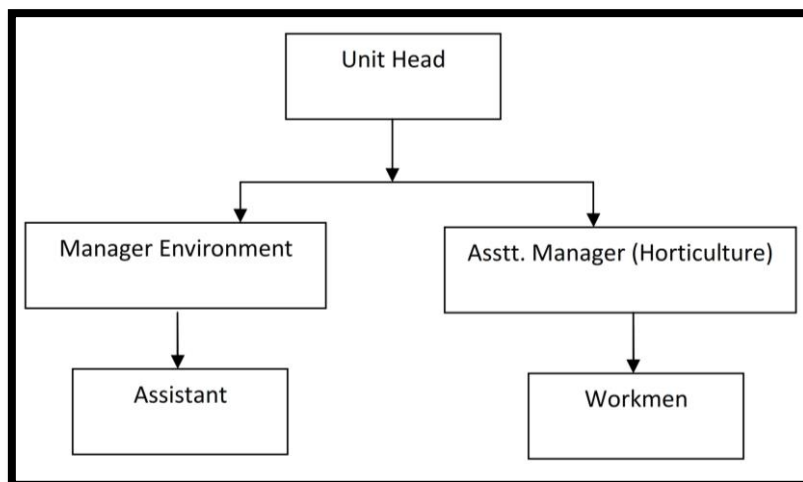
Authorized Signatory

(Director)

ANNEXURE XXVII
Environmental Cell

ENVIRONMENTAL MANAGEMENT CELL

M/s AV Biomedical Waste Services is responsible for implementation Environmental Monitoring Program. A separate department “Environmental Management Cell” (EMC) shall be established in the company to look after all environmental related matters of the plant. The EMC will supervise the activities from time to time for smooth implementation of Environmental Monitoring Program and will take necessary actions if required. The cell will act to ensure the suitability, adequacy and effectiveness of the Environment Management Program will also ensure to meet all the Statutory Requirements. The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions is presented below:



Organizational chart of Environmental Monitoring Cell

Monitoring & responsibility

The cell will be responsible for monitoring of the plant environment related requirements which include:

I. Interaction with the State Pollution Control Board

EMC shall be in regular touch with UPPCB and shall send them environmental monitoring reports regularly in the prescribed format, as per the prevailing practice. Any new regulations considered by State/Central Pollution Control Board for the biomedical waste unit shall be taken care of by EMC.

II. Provide Training

EMC would be responsible for the implementation of the EMP, needs to be trained on the effective implementation of the environmental issues. To ensure the success of the implementation set up proposed, there is a high requirement of training and skill up-gradation. For the proposed project, training facilities will be developed for environmental control. For proper implementation of the EMP, the officials responsible for EMP implementation will be trained accordingly.

To achieve the overall objective of pollution control it is essential not only to provide latest pollution control and monitoring systems but also to provide trained man power resources to operate and maintain the same. So far, the practice with many plants is to utilize the plant operations and maintenance crew for operation of systems. This has shown adverse results due to lack of specialized knowledge in addition to priority selection. Therefore apart from the ECD, specific training will be provided to personnel handling the operation and maintenance of different pollution control equipment.

In-plant training facilities will be developed for environmental control. Specialized courses at various Research / Educational institutes will be organized. The training will be given to employees to cover the following fields:

- Awareness of pollution control and environmental protection to all.
- Operation and maintenance of specialized pollution control equipment.
- Organize field monitoring, maintenance and calibration of pollution monitoring instruments.
- Occupational health/safety.
- Disaster management.
- Environmental management.
- Afforestation / plantation and post care of plants.
- Knowledge of norms, regulations and procedures.
- Risk assessment and Disaster Management.

III. Plant Safety

- Checking of safety related operating conditions.
- Visual inspection of safety equipment
- Preparation of a maintenance plan and documentation of maintenance work specifying different maintenance intervals and the type of work to be performed

IV. Responsibilities of the cell w.r.t Environment Management System:

- Identification of any problem in implementation of EMP and mitigation measures
- Initiating or providing solutions to those problems through designated channels and verification of the implementation status
- Control of activities inside the plant, until the environmental problem has been corrected
- Suitably respond to emergency situations. Provide details of the emergency and the actions taken to the top management
- Suitably make modifications or alterations in the plan to meet regulatory standards as amended from time to time.
- Ensure the implementation of Policy on environment at plant level and review the status with respect to stipulated norms.
- Prevention of incidents/accidents that might result from abnormal operating conditions
- Conducting safety and health audits to ensure that recommended safety and health measures are followed.
- Establish appropriate management system for environment management and ensure regular auditing to verify compliance.

V. Other responsibilities of the cell will include:

- UPPCB registered agency will be retained to generate the environment quality data in respect of air, water, noise, soil and meteorology and prepare the Environmental report.
- Submitting environmental monitoring report to UPPCB. The cell will also take mitigate or corrective measures as required or suggested by the Board.
- Timely renewal of Consents & Authorization will be taken care off.
- Comply with the conditions prescribed under the Consents and Authorization.
- Conduct and submit annual Environmental Statement to UPPCB.
- Prepare and submit six monthly report on the compliance with the conditions of the environmental clearance.
- Keeping the management updated on regular basis about the findings/results of monitoring activities and proposes measures to improve environmental performance.
- Ensure conducting third party environmental monitoring through certified bodies to evaluate prevailing environmental condition with respect to statutory norms.
- Formally review environment performance of the company and report environmental performance to the Directors of the company once every quarter.
- Ensure the statutory environmental compliances.

Summary

The environment monitoring plan enables environmental management system with early sign of need for additional action and modification of ongoing actions for environment

management, improvement and conservation. The environmental monitoring program will be decided considering the environmental impacts likely to occur due to the operation of proposed project. Main objective of monitoring program is to track, timely and regularly the change in environmental conditions and to take timely action for protection of environment. Monitoring of environmental samples will be done as per the guidelines provided by UPPCB/CPCB/MoEF&CC. Separate records for water, wastewater, solid wastes, air emission, soil and manure/compost will be prepared and preserved regularly. Along with other budgets, Budget for environmental management will be prepared and revised regularly as per requirement.

ANNEXURE XXVIII

Copy of newspaper advertisement

● सार्वजनिक सूचना

सूचना - आम जनता को
उल्लेखित सूचना दिना
जाता है कि SEIAA, उपर प्रवेश में
नासरासराजि जिले के
आम-सुजवासी, पॉस्ट-लेनका में
प्रस्तावित 50 वीं बन्देमेठिनले
वेस्ट सर्किल को एव
E. No. 754E-6494/
23 वीं ग्राज्म से विज्ञाप
27.03.2023 को पर्यावरण
नेबुरे प्रकाश की है। पर्यावरण
नेबुरे की प्रति गाइड
environmentalclearance.nic.in/
proposal/status/state.aspx?
pid=CJ054EC&date=01/04/2023
Uttar + N. (अच्छी) पर उपलब्ध है।

ANNEXURE XXIX

CA certificate

AV BIOMEDICAL WASTE SERVICES

1F 964, Vardan Khand, Gomti Nagar Extension,
Gomti Nagar, Lucknow

BALANCE SHEET AS on 31.03.2023

Liabilities	Amount	Assets	Amount
Partner's Capital A/c		FIXED ASSETS	
AJEET SINGH	1111633.75	(As per Annexure-B)	21793812.00
VINAY KUMAR RAI	1637633.75		
	<u>2749267.50</u>	Current Assets	
Less: Net Loss	<u>151413.72</u>	Closing Stock	
	2597853.78	Deposits (Assets)	1209190.00
Loans (Liabilities)		Cash-In-Hand	30710.00
Unsecured Loans	4000001.00	(As Certified by the Partner)	
Current Liabilities		Cash at Bank	108263.50
Sundry Creditors	17042158.00	Tds	6576.00
Audit Fees Payable	10000.00	GST ITC Receivable	501461.28
	17052158.00		
Total	23650012.78		23650012.78

For KAPUR KAMAL & ASSOCIATES
Chartered Accountants

AV BIOMEDICAL WASTE SERVICES



sd/-
CA VAIBHAV MEHROTRA
Partner
26/09/2023

sd/-
Vinay Rai
Partner

ANNEXURE XXX
UPPCB RO Report

प्रदूषण रोकिए !

तार - पर्यावरण

Gram : Paryavaran

पर्यावरण बचाइए !!

दूरभाष एवं फ़ैक्स : 0551-2273937

Phone & Fax : 0551-2273937

क्षेत्रीय कार्यालय

उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड

REGIONAL OFFICE

UTTAR PRADESH POLLUTION CONTROL BOARD

संदर्भ संख्या

Ref. No.

सेवा में,

727/रुग्ण ओ सी 54/2021

दिनांक

Dated 23-11-21

मुख्य पर्यावरण अधिकारी (वृत्त-6),

उ०प्र० प्रदूषण नियंत्रण बोर्ड,

पर्यावरण भवन, टी०सी०-12वीं,

विभूमि खण्ड, गोमती नगर,

लखनऊ।

विषय-

मेसर्स ए०वी० बायो-मेडिकल वेस्ट सर्विसेस, महाराजगंज (उ०प्र०) की निरीक्षण आख्या प्रेषित करने के सम्बन्ध में।

महोदय,

कृपया उपरोक्त विषयक बोर्ड मुख्यालय के पत्रांक सं० एच. 67769/सी०-6/344/बी०एम०डब्लू०/गोरखपुर/2021, दिनांक 01.11.2021 का संदर्भ ग्रहण करने का कष्ट करें। पत्र के माध्यम संदर्भित बायो-मेडिकल वेस्ट ट्रीटमेन्ट फैसिलिटी के पत्र दिनांक 22.10.2021 के माध्यम से बोर्ड मुख्यालय में दिनांक 26.10.2021 को प्राप्त पत्र ग्राम- प्रधान श्रीमती पूनम सिंह ग्राम- पंचायत, बरवा कला, विकास खण्ड, नौतनवां, तहसील- नौतनवां, जनपद- महाराजगंज द्वारा यह अवगत कराया गया है कि मेसर्स ए०वी० बायो-मेडिकल वेस्ट सर्विसेस के स्थापित होने से हम लोगों को कोई आपत्ति नहीं है। अध्यक्ष महोदय द्वारा अपेक्षा की गयी है। उक्त के संदर्भ में पुनः रिपोर्ट प्राप्त कर प्रस्तुत की जाये, आख्या निम्नवत है:-

प्रस्तावित उद्योग एक कामन बायो मेडिकल वेस्ट ट्रीटमेन्ट फैसिलिटी (CBMWTF) है जिसकी शुद्धीकरण क्षमता 5000 किलोग्राम/दिन प्रस्तावित है। उक्त व्यवस्था के अन्तर्गत एक अदद ऑयल फायर्ड डबल चैम्बर इन्सीनेरेटर-250 किलोग्राम/घण्टा, एक अदद ऑटो क्लेव ऑटोक्लेव-1000 किलोग्राम/बैच एवं एक अदद श्रेडर-150 किलोग्राम/घण्टा स्थापित किया जाना प्रस्तावित है। उद्योग में जल का प्रयोग घरेलू प्रयोजन एवं स्क्रबर तथा वाशिंग में किया जाना प्रस्तावित है घरेलू उत्प्रवाह के निस्तारण हेतु सेप्टिक टैंक/सोकपिट की स्थापना एवं प्रक्रिया से जनित प्रदूषित उत्प्रवाह के शुद्धीकरण हेतु 10 के०एल०डी० क्षमता के ई०टी०पी० की स्थापना का प्रस्ताव है। उद्योग में इन्सीनेरेटर से जनित निस्तारण के शुद्धीकरण हेतु वायु प्रदूषण नियंत्रण व्यवस्था के रूप वेन्चुरी स्क्रबर प्रस्तावित है। उत्सर्जन के लिये भू-तल से 30 मीटर ऊँची चिमनी प्रस्तावित है। 32 के०बी०ए० का एकोस्टिक एन्क्लोजरयुक्त डी०जी० सेट की स्थापना का प्रस्ताव है। प्रस्तावित CBMWTF के आस-पास लगभग 75 किलोमीटर में कोई दूसरा CBMWTF स्थापित नहीं है। प्रस्तावित स्थल के पूरब दिशा में लगभग 2 कि०मी० की दूरी पर ग्राम-बरवा कला, अनुमानित आबादी लगभग 2000 स्थित है। पश्चिम दिशा में 850कि०मी० पर ग्राम-चन्दीथान, अनुमानित आबादी 2500 स्थित है। दक्षिण दिशा में 900 मीटर पर दूरी पर ग्राम-राजधानी, अनुमानित आबादी 1800 स्थित है। प्रस्तावित इकाई द्वारा प्रेषित लोकेशन मैप के अनुसार इन्सीनेरेटर से उत्तर दिशा में लगभग 3.0 कि०मी० की दूरी पर ग्राम-पुड़ीला, अनुमानित आबादी 1500 स्थित है।

वर्तमान में क्षेत्रीय कार्यालय, गोरखपुर के अन्तर्गत आच्छादित चारो जनपदों (गोरखपुर, कुशीनगर, महाराजगंज एवं देवरिया) में कोई भी CBMWTF इकाई संचालित नहीं है। प्रस्तावित स्थल क्रिटीकली पाल्यूटेड क्षेत्र से प्रभावित नहीं है।

उपरोक्त आख्या आपके अवलोकनार्थ एवं अग्रिम आवश्यक कार्यवाही हेतु सादर प्रेषित है।

संलग्नक- उपरोक्तानुसार।

भवदीय

(पंकज यादव)
क्षेत्रीय अधिकारी

महादेव झारखण्डी, आवास विकास कालोनी, देवरिया रोड, कूड़ाघाट, गोरखपुर-273 008

MAHADEV JHARKHANDI, AVAS VIKAS COLONY, DEORIA ROAD, KUNRAGHAT, GORAKHPUR-273 008

E-mail : rogorakhpur@uppcb.com

#884u'
22/11/21



उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड
(UTTAR PRADESH POLLUTION CONTROL BOARD)

Ref. No. H.G. 769/सी-6/844/बी0एम0डब्लू0/गोरखपुर/21

01-11-21
दि.

सेवा में,
क्षेत्रीय अधिकारी,
उ0प्र0 प्रदूषण नियंत्रण बोर्ड,
गोरखपुर।

विषय: मेसर्स ए0वी0बायोमेडिकल वेस्ट सर्विसेज, महाराजगंज, (उ0प्र0) की निरीक्षण आख्या प्रेषित करने के सम्बन्ध में

महोदय,

कृपया उपरोक्त विषयक का संदर्भ ग्रहण करने का कष्ट करें तत्कम में अवगत कराना है कि संदर्भित बायोमेडिकल वेस्ट ट्रीटमेंट फेसिलिटी के पत्र दिनांक 22.10.2021 के माध्यम से बोर्ड मुख्यालय में दिनांक 26.10.2021 को प्राप्त संलग्न पत्र ग्राम प्रधान श्रीमती पूनम सिंह ग्राम पंचायत-बरवांकला, विकास खण्ड, नौतनवां, तहसील- नौतनवां, जनपद- महाराजगंज द्वारा अवगत कराया गया है कि मेसर्स ए0वी0 बायोमेडिकल वेस्ट सर्विसेज के स्थापित होने से हम लोगों को कोई आपत्ति नहीं है। अध्यक्ष महोदय द्वारा अपेक्षा की गयी है कि उक्त के सम्बन्ध में आपसे रिपोर्ट प्राप्त कर पुनः पत्रावली प्रस्तुत की जाय।

अतः आपको निर्देशित किया जाता है कि संदर्भित पत्र का संज्ञान लेते हुए प्रकरण पर निरीक्षण आख्या प्रेषित करना सुनिश्चित करें जिससे अग्रिम कार्यवाही की जा सके।

संलग्नक:- यथोपरि।

भवदीय,

सर्विसेज महाराजगंज (उ0प्र0) की निरीक्षण आख्या
(आर0 के0 त्यागी)
मुख्य पर्यावरण अधिकारी,

गोरखपुर।
कृपया उपरोक्त विषयक का संदर्भ ग्रहण करने का कष्ट करें तत्कम में अवगत कराना है कि संदर्भित बायोमेडिकल वेस्ट ट्रीटमेंट फेसिलिटी के पत्र दिनांक 22.10.2021 के माध्यम से बोर्ड मुख्यालय में दिनांक 26.10.2021 को प्राप्त संलग्न पत्र ग्राम प्रधान श्रीमती पूनम सिंह ग्राम पंचायत-बरवांकला, विकास खण्ड, नौतनवां, तहसील- नौतनवां, जनपद- महाराजगंज द्वारा अवगत कराया गया है कि मेसर्स ए0वी0 बायोमेडिकल वेस्ट सर्विसेज के स्थापित होने से हम लोगों को कोई आपत्ति नहीं है। अध्यक्ष महोदय द्वारा अपेक्षा की गयी है कि उक्त के सम्बन्ध में आपसे रिपोर्ट प्राप्त कर पुनः पत्रावली प्रस्तुत की जाय।

T.C/12V, Vibhuti Khand Gomti Nagar, Lucknow - 226010
Phone: 2720831, 2720828, 2720691 & 2720681 - Fax: 0522 - 2720764
Email: info@uppcb.com - Web Site: www.uppcb.com

भवदीय

सर्विसेज महाराजगंज (उ0प्र0) की निरीक्षण आख्या
(आर0 के0 त्यागी)
मुख्य पर्यावरण अधिकारी,



PAN - ABUFA6591R

AV BIOMEDICAL WASTE SERVICES

Mobile No. : 7007265289 | E-mail : avbmwseices@gmail.com

Handwritten signature/initials

Ref No.

Date: 22.10.2021

पत्रांक : अध्यक्ष कैम्प/2021/1144...

MS.

दिनांक : 26.10.2021.....

कृ० RD, Gomti Nagar से
रिपोर्ट लेकर पतावली
प्रस्तुत करें।

To,

Chairman
U.P. Pollution Control Board,
Lucknow

JMS Rai

Dear Sir,

26/10/2021

(जे० पी० एस० राठौर)

We have applied for E.C. for setting up common bio medical waste treatment facility at village Rajdhani khasara No. 274 & 279. We have taken consent from Gram Panchayat. The report is being submitted for your consideration. There is no population in area around 500 meters from site.

Thanking You

Your faithfully

30/10
EE/ASO/SA
for na
[Signature]
29.10.2021

CEO (C-6)

[Signature]

26/10/2021

(अजय कुमार शर्मा)
सदस्य सचिव

कृ० RD, Gomti Nagar से
रिपोर्ट लेकर पतावली
प्रस्तुत करें।
Vinay Kumar Rai
AV Biomedical Waste Services

Enclosure

NOC From Gram Pradhan

Address - 1 F 964,
Vardan Khand, Gomti Nagar Extension
Lucknow, Uttar Pradesh



Thanking You

ग्राम पंचायत- बरवांकला, विकास खण्ड- नौतनवां
तहसील- नौतनवां, जनपद- महाराजगंज (30प्र0)

पूनम सिंह
ग्राम प्रधान

ग्रामान प्रतिनिधि
आशुतोष सिंह (पूर्व प्रधान)
Mob. 7080687286

पत्रांक -

दिनांक 16/10/2021

सेवा में

चैमरोन उत्तर प्रदेश प्रबुधण कन्ट्रोल बोर्ड
टी.सी - 11V
विश्वीय खण्ड लखनऊ 226010

सहोदय मेराल ए.वी.मैडिकल वेल्थ सोसायटी के द्वारा हमे वास्तु एवं पत्र प्रबुधण के कन्ट्रोल में जो आपरा तब दिया गया है उसमे विचार करते हुए हमारे एवं ग्राम समा द्वारा निर्जम लिखा गया है कि वापोमैडिकल वेल्थ सोसायटी की स्थापना में कोई भी हमारे द्वारा आपरा नहीं है।
होरे प्लान का स्थापना करते हुए।

उज्जवल आशुतोष की कामना करते हैं।

आशुतोष सिंह
ग्राम प्रधान

उज्जवल आशुतोष की कामना करते हैं।

ANNEXURE XXXI

Lakhpal Report

महोदय,

पर्यावरण निदेशक इ.प्र. द्वारा M/s इ.की. बायोमेडिकल वेस्ट

सर्विलेज करदान खण्ड गोमती नगर सेक्टर लखनऊ को संबोधित पत्र के माध्यम से ग्राम राजधानी तथा मन्चवार परगना-विनापकूप तह. नौतनवा में भा. नं. 274 व 279 में बायोमेडिकल वेस्ट ड्रिपमेंट एंजेंट स्थापित किये जाने के संकक्ष में पत्र प्रेषित हुआ है। उक्त के संकक्ष में सादर सूचना करना है कि ग्राम-राजधानी, तथा - मन्चवार में परगना- विनापकूप, तह. नौतनवा में बंधव भा. नं. 274/2.614 एवं 279/0.241 से पर मुखारू खाँ, अहमद नली, भललम खाँ, अकरम खाँ, मुं. फारूख खाँ, शालम खाँ, हाजम खाँ व शक्ति खाँन वगैर संक्रमणीय कृमिधर लीकर है।

उक्त नाराज नगर राजधानी के सीमाने में है जिसके भाग पास ग्राम- राजधानी, कौलही, बरवा कला व चण्डीचान स्थित है तथा उक्त नाराज से ग्राम राजधानी लगभग 800 मी., कौलही 850 मी. चण्डीचान 1 कि.मी. व बरवा कला 900 मी. की दूरी पर स्थित है। तथा ये सहायकारी शैक्षणिक संस्था

उक्त नाराज से पी.एन. पब्लिक स्कूल चण्डीचान (900 मी. दूरी) तथा गंगा प्रसाद डिग्री कालेज (700 मी. दूरी) पर स्थित है। तथा उक्त पत्र में उल्लिखित अन्य बिन्दुओं पर्यावरणीय उपायों को संबंधित विभाग से जांच कराया जाना उचित है।

धन: रिपोर्ट सादर सेवा में प्रेषित है।

Spenda
13/6/22

महोदय

लेखपाल कार्या सेवा में अतिरिक्त कार्रवाई के लिये सेवा में सादर प्रेषित।

Spenda
16/6/22

208/Re

महोदय,

श्री. श्री. श्री. सेवा में सादर प्रेषित।

संगर/महोदय महोदय
सेवा में सादर प्रेषित है।

675/5T
पु. व. सेवा
श्री. श्री. श्री. सेवा में सादर प्रेषित।

State Level Environment Impact Assessment Authority, Uttar Pradesh

2408

ADM/DFD

Directorate of Environment, U.P.

Vincent Khand-1, Gomti Nagar, Lucknow - 226 010
 Phone: 91-522-2300 541, Fax: 91-522-2300 543
 E-mail: doeuplko@yahoo.com
 Website: www.seiaaup.com

①

To,
 M/s AV Biomedical Waste Services,
 1 F 964, Vardan Khand, Gomti Nagar Extension,
 Lucknow.

महाराजगंज
 7/3/22

Ref. No. 473/Parya/SEIAA/6494/2021

Date: 04 March, 2022

313

Sub: Terms of Reference for Proposed Common Bio-medical Waste Treatment Facility at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, U.P., M/s AV Biomedical Waste Services.

Reference- MoEFCC Proposal no- SIA/UP/MIS/66004/2021 & SEIAA, U.P File no- 6494

3291

Dear Sir,

This is with reference to your application / letter dated 10-08-2021 on above mentioned subject. The matter was considered by SEAC in meeting held on 22-12-2021 and SEIAA in meeting held on 10-01-2022.

A presentation was made by the project proponent along with their consultant M/s Environmental Management Division of India Glycols Ltd. to SEAC on 22-12-2021.

SOM/ADM/DFD/RC

Project Details as submitted or informed by the Project Proponent and their Consultant

उपरोक्त आवश्यक कार्यवाही

कम समय में पूरा करने के लिए

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

1. The terms of reference is sought for Common Bio-medical Waste Treatment Facility at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, U.P., M/s AV Biomedical Waste Services.

Salient features of the project:

S. No	Parameter	Description
1.	Identification of project	The Proposed project of CBWTF falls under Category B-1, schedule 7(da) as per the EIA Notification 14th Sep, 2006 and subsequent amendments dated 1st December, 2009 & 17th April, 2015.
2.	Proposed Project	Environment Clearance for Proposed Common Bio Medical Waste Treatment Facility (CBWTF) by M/s AV Biomedical Waste Services is located at Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, Uttar Pradesh.
3.	Total area of the Plant	0.450 ha (1Acre)
4.	Capital Cost	Rs. 2.78 Crores
5.	Location	Khasra No.-274 & 279, Village- Rajdhani, Post-Nautanwa, District-Maharajganj, Uttar Pradesh..
6.	Coordinates of the Site	Sr. No. Latitude Longitude
		1 27°22'12"N 83°23'53"E
2	27°22'15"N 83°23'54"E	
7.	Water Requirement/Source	
	Water Requirement (KLD)	Total - 11.00 KLD Fresh - 7.10 KLD Recycled - 3.90 KLD
	Source of water	Ground water Supply (Water will be abstracted only after getting

8/3/22

सुबोधिता

ए.जी.एम.डी.आई.जी.एल.डी.

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14.3.22

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Terms of Reference

	etc.
	Domestic Purpose
	Green Belt
D.	
E.	
Total (KLD/Day)	
	Waste
	Pro
	fo

8.	Water Break-up	NOC from CGWA Incineration Process : 2.40 KLD Steam Generation (Heat Exchanger) : 0.20 KLD Miscellaneous i.e. Floor & Vehicle washing etc. : 3.80 KLD KLD : 0.60 KLD Domestic Purpose : 4.00 KLD Green Belt : 11.00 KLD Total
9	Waste Water Management Waste water generation Mode of Disposal	Proposed ETP (Capacity -10.0 KLD). Ind. Activities: 4.75 KLD, Domestic Purpose: 0.50 KLD. Treated water from proposed ETP will be reused for scrubbing and Green belt purpose.
10	Rain water harvesting (RWH)	01 Nos of Pit will be provided
11	Employment generation	Total - 20 Nos.
12	Power Supply/ Start up Power	Total - 40 KVA (Sources from UPPCL)
13	DG sets	Total - 35.0 KVA (01 No.)
14	Land form, Land use and land ownership	Private Land

3. Waste generation details:

S.NO	DESCRIPTION	ASSUMPTION	TOTAL WASTE (IN KG)	REMARKS
1	NO OF ROPOSED BEDS	10000		
2	WASTE GENERATION/BED/DAY	0.2 KG- 0.4 KG		
3	ASSUMED WASTE GENERATION/BED/DAY (IN KG)	0.4		
4	HENCE ESTIMATED WASTE GENERATION		4000	
5	TOTAL INCINERABLE WASTE		3200	ASSUMING 80%
6	AUTOCLAVABLE WASTE		800	20%
7	ASH GENERATION POST INCINERATION		160	ASSUMING 5%
8	ALL AUTOCLAVABLE WASTE SHALL BE SHREDDED FURTHER BEFORE HANDING IT TO AUTHORIZED RECYCLER			

1. Water requirement 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	3.80	0.20	3.60	0.60	3.0

	etc.					
D.	Domestic Purpose	0.60				
E.	Green Belt	4.0	0.10	0.50	0.00	0.00
Total (KL/Day)		11.0	4.0	0.00	0.00	0.00
		7.10 (Fresh) + 3.90 (Recycle)	5.75	5.25	0.85	3.90

- 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 recirculated through ETP.
- Domestic Wastewater shall be treated in a soak pit/septic tank.

2. 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 TSD / Co processing industries.
4.	Ash from incinerator and flue gas cleaning residue	5.0 MTPA	37.2	Send to TSD / Co processing industries.

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

SEAC / SEIAA discussed the matter and recommended / granted ToR to the said project with standard ToR (as prescribed by Ministry of Environment, Forest & Climate Change, Government of India) along with additional ToR for preparing EIA-EMP report.

Standard Terms of Reference (ToR)

- Land conversion documents should be provided at the time of EIA presentation.
- The project proponent shall submit HCF's beds details and other bio-medical waste sources duly certified by concerning CMOs and other competent authority in the radial distance of 75 kms area of proposed CBWTF at the time of EIA presentation.
- Project proponent shall submit the point wise clarification/ proposal for biomedical waste treatment and disposal with respect to revised guidelines for CBMWTF 2016 of CPCB.
- The proposal should include storage/collection facility at proposed site for biomedical waste as per CBMWTF revised guidelines 2016 of CPCB.
- Letters from CMO/UPPCB regarding feasibility/requirement of Common Biomedical Waste Treatment Facility at the proposed site.
- Common biomedical waste inventory should be provided.
- The EIA report should address regarding the disposal of covid-19 waste as per the latest guidelines.
- PP/Consultant should provide the details of other bio medical waste facility within 75 Km radius of the proposed site with location and geo coordinates (along with map).

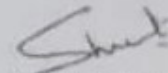
9. Project proponent submit the compliance of revised Guidelines for Common Bio-Medical Waste Treatment Facility, 2016 issued by CPCB.
10. Reasons for selecting the site with details of alternate sites examined/rejected/selected. Merit with comparative statement and reason/basis for selection. The examination should justify site suitability in terms of environmental damages, resources sustainability associated with selected site as compared to rejected sites. The analysis should include parameters considered along with weightage criteria for short-listing selected site.
11. Submit the details of the road/rail connectivity along with the likely impacts and mitigative measures.
12. Submit the present land use and permission required for any conversion such as forest, agriculture etc.
13. Executive summary of the project – giving a prima facie idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide EMP.
14. Land requirement for the facility including its break up for various purposes, its availability and optimization.
15. Details of proposed layout clearly demarcating various activities such as security. Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
16. Details on collection and transportation of Bio Medical Waste from health care establishments, No. of vehicles and feature of vehicles, etc.
17. Details of the treatment equipment's capacity and make. Details of the incineration system – a statement on the compliance to the CPCB guidelines for common bio medical waste incinerators in respect of waste feed cutoffs, operating parameters of combustion chambers, flue gas cleaning, ash handling, etc. Details on fuel requirement for incineration. Details on flue gas emissions discharge through stack and proposed pollution control technologies. Details on residue/ash generation and management. Details of waste heat utilization, if any. Details on wastewater management alongwith zero discharge plans as committed by the project proponent.
18. Details of the proposed overall safety and health protection measures and submit specific programme.
19. Details on source of water and power supply along with solar light provision.
20. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
21. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
22. Land use map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
23. Topography details.
24. Surface water quality of nearby water bodies.
25. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
26. Corporate Environmental Responsibility (CER) shall be prepared by the project proponent and the details of the various heads of expenditure to be submitted as per the guidelines provided in the recent CER notification No. 22-65/2017-IA.III dated 01/05/2018. A copy of resolution as above shall be submitted to the authority alongwith list of beneficiaries with their mobile nos./address.
27. Action plan for the greenbelt development in accordance to CPCB published guidelines.
28. Details on pollution control technologies and online monitoring equipments.
29. Details on monitoring of pollutants at source –performance of the incinerator. Including operating hours, fuel consumption, operating parameters (Combustion chamber –

- d) Every 3 year, environmental audit should be carried out through accredited environmental auditors and findings should be reported along with compliance of EC conditions.
- e) 33% of land area should be brought under tree cover and any standing tree should be transplanted and survival be ensured. A scheme to this effect should be submitted along with EIA-EMP report.
- f) Solar power shall be used for lighting to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the building or as per the requirement of the local building bye-laws, whichever is higher.

The final EIA report after incorporation of public hearing observations/comments should be submitted to the committee for further consideration of the matter.

You are advised to submit the EIA-EMP report incorporating recommendations of public hearing for further consideration of the matter as per procedure laid down in the Gazette Notification SO 1533(E) dated 14.09.2006 as amended. The matter will not be considered pending till your reply or EIA/EMP report is received.

This is issued with the approval of competent authority.

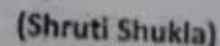


(Shruti Shukla)
Deputy Director, DoE, UP &
Nodal Officer, SEIAA, UP

No...../Parya/SEIAA/6494/2019 dated: As above

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

1. The Principal Secretary, Department of Environment, Forest and Climate Change, Government of Uttar Pradesh, Lucknow (email - soenvups@rediffmail.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, Uttar Pradesh.
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.



(Shruti Shukla)
Deputy Director, DoE, UP &
Nodal Officer, SEIAA, UP

ANNEXURE XXXIII
Land Conversion Report



खाता विवरण (अप्रमाणित प्रति)

ग्राम का नाम : राजधानी परगना : (विनायकपुर) तहसील : नौतनवाँ जनपद : महाराजगंज फसली वर्ष : 1429-1434 (01 जुलाई, 2021 से 30 जून, 2027) भाग : 1 खाता संख्या : 00007

खातेदार का नाम / पिता पति संरक्षक का नाम / निवास स्थान	खसरा संख्या	क्षेत्रफल (हे.)	आदेश	टिप्पणी
श्रेणी : 1-क / भूमि जो संक्रमणीय भूमिधरो के अधिकार में हो।				
अलीमुद्दीनखां, मुबारकखां / नबुअतअली / नि. ग्राम अहमदअली, असलमखां, मु0अकरमखा / नबुअतअली / नि. ग्राम मु0फास्करखां / नबुअतअली / कोल्हुइर्बाजार	274 279	2.6140 0.2410	असलम पुत्र नबुवत अली -एस0बी0आई भारीरथपुर के पक्ष मे मु0 198000रु0 बन्धक है अकरम पुत्र नबुवत अली -एस0बी0आई भारीरथपुर के पक्ष मे मु0 198000रु0 बन्धक है मुबारख खों पुत्र नबुवत अली -- पी0एन0बी0 बैंक पैसिया बाबू के पक्ष मे मु0161000रु0 बन्धक है। आवेदन सं0 2022518700944000507/17.04.2022 आदेशानुसार श्रीमान रा0नि0 महोदय जरिये आर0सी0 9 तालिका 02 से प्राप्त दिनांक 17.04.2022 आदेश हुआ कि ग्राम राजधानी के खाता सं0 7 व 166 से मृतक खातेदार अलीमुद्दीन पुत्र नबुवत अली के स्थान पर आविदी खातून पत्री अलीमुद्दीन व आलम खान व आजम खान पुत्रगण अलीमुद्दीन का नाम बतौर वारिस अंकित हो। मु0न0 1273/T202205470301318/04.11.2022 तहसीलदार नौतनवा-ग्राम-राजधानी तप्पा मर्चवार परगना विनायकपुर तहसील नौतनवाँ जनपद महाराजगंज के खतौनी वर्ष 1429-1434 फ0 के	बन्धक पत्र से प्राप्त 15.12..2018 आदेशानुसार श्रीमान तहसीलदार महोदय नौतनवा दिनांक 15.12.2018 आदेश हुआ कि ग्राम जिगिना के खाता सं0 10 पर अंकित अहमद अली पुत्र नबुवतअली की भूमि पूर्वाचल बैंक शाखा सम्पतीहा के पक्ष मे 226000 रु मे बन्धक है। बन्धक पत्र से प्राप्त 15.12..2018 आदेशानुसार श्रीमान तहसीलदार महोदय नौतनवा दिनांक 15.12.2018 आदेश हुआ कि ग्राम जिगिना के खाता सं0 10 पर अंकित अलीमुद्दीन पुत्र नबुवतअली की भूमि पूर्वाचल बैंक शाखा सम्पतीहा के पक्ष मे 226000 रु मे बन्धक है।

कृपया उक्त खसरे की प्रस्थिति (भूखंड (गाटा) के वाद ग्रस्त /विक्रय /भू-नक्शा /नामांतरण बही) हेतु खसरा संख्या पर क्लिक करें

Disclaimer: उक्त आँकड़े मात्र अवलोकनार्थ हैं, उक्त विवरण अद्यतन है, तहसील कम्प्यूटर केन्द्र एम सी.एस.सी/लोकवाणी केन्द्र से उद्धरण की प्रमाणित प्रति प्राप्त की जा सकती है।

Software Powered By: National Informatics Center, Uttar Pradesh State Unit, Lucknow.

Annexure XXXIV
Hazard Identification & Risk Assessment

An emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan

Risk Assessment

Risk assessment is a process to identify potential hazards and analyze what could happen if a hazard occurs. Risk assessment is done on the basis of past accident analysis at analogous projects, previous judgments and expertise in the field of risk analysis especially in accident analysis.

Hazard

Hazard has been defined as a source of potential harm to people, property or the environment. Alternatively, hazard is an agent (either chemical, biological or physical) or it is a set of conditions that presents a source of risk. In any given situation hazards are fixed, they can vary in two ways-their intrinsic nature (e.g. high pressure/low pressure) and their scale (more or a less).

Hazard Identification

Hazard Identification is used as the first step in a process used to assess risk. The result of a hazard analysis is the identification of different type of hazards. A hazard is a potential condition and exists or not (probability is 1 or 0). It may in single existence or in combination with other hazards (sometimes called events) and conditions become an actual Functional Failure or Accident (Mishap).

Hazard Identification and Risk Assessment is a method, by which, we try to identify the main hazardous substance, and then try to reduce the effect of hazard. For this purpose we will use various risk assessment methodologies by knowing hazards consequences and by

analyzing all the processes which are being carried out during handling and treatment of hazardous waste.

RISK ASSOCIATED WITH RAW MATERIAL AND FINISHED PRODUCT

The proposed project includes handling and storage of various hazardous wastes. All these wastes shall be stored with utmost care and safety precautions within the unit and by trained personnel only.

a) Process Risk:

- The proposed project would collect, treat and dispose various kinds of hazardous waste through Incineration. The major hazard due to the establishment of the proposed facility will be generation of fire and explosion of the incinerator.
- Apart from this the major concern will be emission of toxic agents majorly particulate matter (PM), carbon monoxide (CO), acidic gases (i.e., NO_x, SO₂, HCl) and acidic particles, certain metals (cadmium, lead, mercury, chromium, arsenic, and beryllium), dioxins and furans, polychlorinated biphenyls (PCBs), and polyaromatic hydrocarbons (PAHs). Hazardous substances may be classified into three main categories namely flammable, unstable and toxic substances.

b) Risk related to Fire incidents

- Chemical handling
- Combustible dust
- Hot work
- Flammable liquids and gasses
- Equipment and machinery

c) Risk related to waste disposal

Waste material generated from the unit possesses a great environmental and health risk. If unattended, it might get in human contact and may cause serious health problems. Similarly if any chemical gets leached into the ground along with water, it might contaminate the ground water and cause health related issues.

HAZARD IDENTIFICATION

Typical methods for hazard identification employed are:

- Identification of major hazardous units based on Hazardous and other water management Rules, 2016
- Identification of hazardous units and segments of plants and storage units based on relative ranking technique, viz. Fire-Explosion and Toxicity Index (FE&TI).

Hazardous substances and wastes

- Heavy and toxic metals (lead, mercury, cadmium, copper, zinc, etc.)
- Organometallic substances (tributyltin, etc.)
- Lack of hazard communication (storage, labelling, material safety data sheets)
- Batteries, fire-fighting liquids
- PCBs and PVC (combustion products)
- Welding fumes
- Volatile organic compounds (solvents)
- Inhalation in confined and enclosed spaces
- Physical hazards
- Noise
- Extreme temperatures
- Vibration
- Radiation (UV, radioactive materials)

a) Physical hazards

- Noise
- Extreme temperatures
- Vibration
- Radiation (UV, radioactive materials)

b) Mechanical hazards

- Trucks and transport vehicles
- Scaffolding, fixed and portable ladders
- Impact by tools, sharp-edged tools
- Power-driven hand tools, saws, grinders and abrasive cutting wheels
- Failure of machinery and equipment
- Poor maintenance of machinery and equipment
- Lack of safety guards in machines
- Structural failure

c) Biological hazards

- Risk of communicable diseases transmitted by pests, vermin, rodents, insects and other animals that may infest the project facility.
- Animal bites
- Vectors of infectious diseases (TB, malaria, dengue fever, hepatitis, respiratory infections, others)

d) Occupation & Socio-Health Hazards

- Ergonomic and psychosocial hazards
- Repetitive strain injuries, awkward postures, repetitive and monotonous work, excessive workload

- Long working hours, shift work, night work, temporary employment
- Mental stress, human relations (aggressive behaviour, alcohol and drug abuse, violence)
- Poverty, low wages, minimum age, lack of education and social environment

e) General concerns

- Lack of safety and health training
- Poor work organization
- Inadequate housing and sanitation
- Inadequate accident prevention and inspection
- Inadequate emergency, first-aid and rescue facilities
- Lack of medical facilities and social protection

f) Frequent causes of accidents

- Fire and explosion: explosives, flammable material
- Being struck by falling objects
- Caught in/compressed
- Snapping of cables, ropes, chains, slings
- Handling heavy objects
- Electricity (electrocution)
- Poor illumination
- Falls from height inside industrial units or on the ground
- Struck by moving objects
- Slipping on wet surfaces
- Sharp objects
- Oxygen deficiency in confined spaces
- Lack of personal protective equipment (PPE), housekeeping practices, safety signs

- Hackles, hooks, chains
- Cranes, winches, hoisting and hauling equipment;

The health impacts of incinerator working are majorly on three potentially exposed demographical conditions:

- 1) Workers at the facility, especially the ones involved in cleaning and maintenance activities
- 2) The local population, which is exposed primarily through inhalation of airborne emissions
- 3) The larger regional population, who may be remote from any particular incinerator, but who consume food potentially contaminated by one or more incinerators and other combustion sources that release persistent and bio accumulative pollutants

Emissions of dioxins/furans from incinerators

Incinerators produce dioxins (polychlorinated dibenzo-para-dioxins or PCDDs) and furans (polychlorinated dibenzofurans or PCDFs) as a result of the combustion of chlorine-containing wastes, e.g., polyvinyl chloride and other plastics (WHO 2001; WHO 1999). These chemicals are toxic, persistent (do not readily break down in the environment) and bio-accumulative (able to move up the food chain) and their releases to air are believed to be the most significant exposure pathway (UNDP 2003) in both vapour as well as particulate phases.

a) Health impact of dioxins/furans exposure to humans

The International Agency for Research on Cancer classifies 2,3,7,8 tetrachlorinated dioxin as a known human carcinogen based on strong evidence from animal experiments and enough evidence on human studies (IARC 1997, WHO 1999).

- Short-term (called acute) exposures: may result in skin lesions and altered liver function.

- Long-term or chronic exposure: impairment of the immune system, the developing nervous system, the endocrine system and reproductive functions.

b) Dose response and exposure evaluation

General toxicological effects

WHO has established a tolerable daily intake (TDI) of dioxin/furans of 1 – 4 pg TEQ/kg-day, a provisional tolerable monthly intake (PTMI) for dioxins, furans, and dioxin-like polychlorinated biphenyls of 70 pg/kg of body weight (FAO/WHO, 2001). The PTMI is an estimate of the amount of the chemical dosage from all sources that can be ingested from food or water over a lifetime without appreciable health risk (WHO, 1996). For an adult with a body weight of 70 kg, this is equivalent to 4.9 ng TEQ/month or 59 ng TEQ/year. For a child weighing 15 kg, this is equivalent to 10 ng TEQ/year.

c) Carcinogenic effects

US EPA expresses the probability of contracting cancer over a 70 year lifetime using an upper-bound cancer potency factor of 0.001 per pg TEQ/kg/day (EPA 2002). Typical risk benchmark values are 10^{-6} and 10^{-4} . For an excess lifetime cancer risk of 10^{-6} , the cancer potency factor yields an exposure of 0.001pg/kg/day or 0.03 ng TEQ/year. For an excess cancer risk of 10^{-4} , the corresponding exposure is 0.1pg/kg/day or 2.6 ng TEQ/year. (These values are 248 and 2.5 times lower than the WHO guideline.) EPA considers 2, 3, 7, 8- dioxin to be a probable carcinogen.

d) Non cancer effects.

US EPA derived a range of 10 – 50 ng TEQ/kg body burden as a point of departure for calculating the margin of exposure (MOE), that is, the likelihood that noncancer effects may occur in the human

population at environmental exposure levels. A MOE is calculated by dividing the human, or human-equivalent animal, lowest observed adverse effect levels (LOAEL) or no observed adverse effect level (NOAEL) with the human exposure level of interest. MOEs in range of 100 to 1000 are generally considered adequate to rule out the likelihood of significant effects in humans based on sensitive animal responses.

e) Emission into the atmosphere

Dioxins and furans are emitted from the incinerator into the ambient air by the means of:

- Stacks attached to it
- Fugitive releases (air leakage while fuel/ waste charging).
- Present in fly ash and bottom ash
- Sludge discharge from the scrubber

During combustion Dioxin/furan are formed by:

- “de novo” synthesis from dissimilar non-extractable carbon structures, and
- Precursor formation/reactions via aryl structures derived from incomplete aromatic oxidation or cyclization of hydrocarbon fragments.

The emission depends on many factors such as:

- Physical and chemical characteristics of the charged waste
- Process/combustion conditions
- Downstream conditions
- Presence and efficiency of air pollution control devices

DIOXIN AND FURAN – EMISSION CONTROL (Dioxin (PCDDs) and Furan (PCDFs) - Critical Persistent Organic Pollutants (POPs): CENTRAL POLLUTION CONTROL BOARD MINISTRY OF ENVIRONMENT & FORESTS December, 2004)

- Proper segregation of waste will be carried out as PVC in the waste affects the amount of dioxin formation.
- Chlorine containing waste will be minimized/ avoided as max extent possible because Chlorine input has a definite role in formation of dioxin and furan.
- Combustion of wet garbage will be avoided, as wet garbage produces more dioxin.
- Design of combustion chamber will be taken utmost care of to optimize the supply of air for achieving more complete destruction of waste.
- The flue gas resulting from the combustion process will be raised to a temperature of 1100°C for at least 2 seconds for destruction of dioxin in the flue gas.
- Quick cooling of flue gas will be done to minimize dioxin reformation between 200°C to 400°C.
- Facilities for injection of activated carbon by powered injection system, which is operated in parallel with the alarm warning system to capture any dioxin, if reformed, for treatment.
- Regular monitoring of combustion products including dioxin emissions will be carried out.
- Suspension of waste feeding operation to allow urgent trouble shooting and problem-fixing will be done, when abnormal monitoring readings of air emissions or incinerator temperature is detected.

Disaster Management Cycle

Three major functional areas were recognized as necessary components of a comprehensive approach; prevention, response and recovery. Without these areas, the key responsibilities of agencies include:

- **Planning:-** The analysis of requirements and the development of strategies for resource utilization.
- **Preparedness:-** The establishment of structures, development of systems and testing and evaluation by organizations of their capacity to perform their allotted roles
- **Co-ordination:-** The bringing together of organizations and resources to ensure.

Objectives

- Disaster Management Plan is a comprehensive plan, which optimally utilizes men, material and available resources to prevent loss to lives and minimizes loss to property. It ensures fastest approach for rescue and rehabilitation. Disaster Management Plan guides the entire machinery engaged in relief operation and induces courage amongst the community to face the eventuality boldly.
- The key objectives of the Disaster Management Plan are:
- To improve the preparedness for disaster through risk assessment and vulnerability analysis.
- To evolve a suitable mitigation strategy so as to minimize the impact of disaster in terms of men and material loss.
- To give professional guidance to the relief machinery engaged in relief operations.

- To create awareness amongst the community to face the disaster in case of an eventuality.
- To involve the voluntary organizations & NGO's in awareness creation and in relief operations.
- To enable quick restoration of the public service system affected by the disaster.
- To prevent the spread of post-disaster epidemics.

Identification and Prioritization of Hazards

- Earthquake
- Terrorist Attack
- Fire
- Chemical Hazards.
- Flood
- Accidents (Road, Railways, Air, Building Collapse)
- Road Blockade

Disaster Management Strategy

Optimum strategy is to be followed in accordance with the comprehensive District Disaster Management Plan to combat the effects of the disaster and to minimize the loss of life and property. Different stakeholders from district administration, public, NGO sector, civil defense, interest groups are required to play a major role in disaster mitigation. Broadly it has been divided into three major strategies viz Pre-Disaster Phase, Impact Phase and Post Disaster Phase.

Pre Disaster Phase- Preparedness in “No Disaster Situation”

In the Pre Disaster Phase – prevention, Mitigation and Preparedness activities are undertaken. The key activities are:-

- Formation of the District Disaster Management Committee.
- Formulation of District Disaster Management Plan for running year.
- Risk Assessment and Vulnerability Analysis.
- Resource Inventory.
- Allocation of responsibilities to the individual actors/Groups/Institutions/Organizations.
- Training and capacity building etc.

Impact Phase- Emergency Relief Measures

This phase includes measures taken immediately after the disaster.

The key activities are:-

- Rescue operation/Evacuation by teams (already identified) and providing basic infrastructure and movement to rescue centers.
- Functioning of District Control Room (DCR) & other Sub Divisional/Block/Tehsil/Line Departmental Control Rooms.
- Coordination meeting with officials at District Control Room at each 12 hours interval to take stock of the situation.
- Management of Rescue Shelters
- Monitoring Disaster Management by ensuring a line of control through Police & Paramilitary forces, Civil Defense, Fire services, Civilians, PSUs, NGOs etc
- Administration of Relief.

Post Disaster Phase- Damage Assessment and Long term relief.

All measures at this stage aim at speedy return of the affected areas to normalcy and to mitigate the long-term consequence of the disaster.

The key activities are:-

- Assessment & enumeration of damage.
- Developing a Reconstruction and Rehabilitation plan.
- Monitoring Relief Operation organized by outside agencies/ UN Agencies/ Red Cross/ NGOs/ PSUs/ other states etc through District Administration.
- Restoration of Communication- Roads, Railways, Electronic Communication etc.
- Maintenance of Law & Order.
- Provision of Medical facilities, Minimum sanitation, drinking water, free kitchen etc.
- Removal of debris and disposal of carcasses.
- Meeting officers of both District level and Field level in every 24 hours to take stock of the situation.
- Collection of Information and submission of daily situation report to Government through District Collector.
- Documentation of the entire event – Black & white/ Audio & Video.

In disaster situations, a quick rescue and relief mission is inevitable; however damage can be considerable minimized if adequate preparedness levels are achieved. Indeed, it has been noticed in the past that as and when attention has been given to adequate preparedness measures, the loss to life and property has considerably reduced.

The team members & workers will be trained according to the identified natural disaster by an experienced training professional so that loss of lives and property is at its minimum at operational as well as construction phase.

			<p>खाता सं0 00007 के आराजी नं0 274/2.614हे0 व आराजी नं0 279/0.241हे0 कुल दो खेत रकबा 2.855हे0 का 1/6 भाग रकबा 0.4758हे0 अपना सम्पूर्ण हक व हिस्सा मा0 मु0 60ख से विक्रेता मुबारक खां पुत्र नबुअत अली साकिन-राजधानी हा0मु0 कोल्हुई तहसील फरेन्दा जनपद महाराजगंज का नाम निरस्त कर क्रेता मेसर्स ए0वी0 बायोमेडिकल वेस्ट सर्विसेज पता-1 एफ0 964 वरदान खण्ड, गोमतीनगर एक्सटेंशन, लखनऊ उ0प्र0 द्वारा साझीदार विनय कुमार राय पुत्र रविन्द्र नाथ राय साकिन-लेन नं0 3, लक्ष्मीनगर, कंचनपुर ककरमता, वाराणसी उ0प्र0 का नाम निबन्धित विक्रय पत्र सं0 1718/13.04.2022 के आधार पर बतौर संक्रमणीय भूमिधर अंकित हो।</p> <p>वाद सं0 111/टी 202205470304716/20.12.2022 उपजिलाधिकारी नौतनवा - मेसर्स ए0वी0 मेडिकल वेस्ट सर्विसेज लखनऊ बनाम गांव सभा - आदेशानुसार श्रीमान उपजिलाधिकारी महोदय नौतनवा दिनांक 20.12.2022 आदेश हुआ कि ग्राम राजधानी तप्पा मर्चवार परगना विनायकपुर तहसील नौतनवा जनपद महाराजगंज की खतौनी वर्ष 1429-1434 फसली के खाता संख्या 00007 के आराजी नं0 274/2.614हे0 मे से रकबा 0.4356हे0 पर मेसर्स ए0वी0 बायोमेडिकल वेस्ट सर्विसेज पता 1 एफ 964 बरदान खण्ड गोमती नगर एक्सटेंशन लखनऊ द्वारा साझीदार विनय कुमार राय पुत्र रविन्द्र नाथ राय साकिन लेन नम्बर 3 लक्ष्मीनगर कंचनपुर ककरमता वाराणसी उत्तर प्रदेश द्वारा व्यवसायिक कार्य हेतु चारो ओर से बाउण्ड्रीवाल व टीन शेड का निर्माण कर बायो मेडिकल वेस्ट प्लान का कार्य निमाणीधीन होने के कारण उक्त रकबा को अकृषिक भूमि घोषित किया जाता है। यह आदेश खतौनी के परिवर्तन संबंधी आदेश के स्तम्भ में निरन्तर बना रहेगा।</p>	<p>आदेशानुसार श्रीमान ना0तहसीलदार महोदय नौतनवा दिनांक 30.06.2022 आदेश हुआ कि ग्राम राजधानी के खाता 7 पर अंकित मुबारक खां पुत्र नबुअत अली की भूमि बडौदा य0पी0 बैंक शाखा सम्पतिहा के पक्ष मे मु0 155000 रु0 मे बन्धक है।</p> <p>आदेशानुसार श्रीमान तहसीलदार महोदय नौतनवा दिनांक 17.05.2022 आदेश हुआ कि ग्राम राजधानी के खाता सं0 07 पर अंकित मुबारक खां पुत्र नबुअत अली की भूमि पी0एन0बी0 पैसिया बाबू के पक्ष मे मु0 161000 रु0 से बन्धक मुक्त किया जाता है।</p> <p>आदेशानुसार श्रीमान ना0तहसीलदार महोदय नौतनवा दिनांक 04.11.2022 आदेश हुआ कि ग्राम राजधानी के खाता 7 पर अंकित मुबारक खां पुत्र नबुअत अली की भूमि बडौदा य0पी0 बैंक शाखा सम्पतिहा के पक्ष मे मु0 155000 रु0 से बन्धक मुक्त किया जाता है।</p>
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