Half Yearly Compliance Report for Common Bio Medical Waste Treatment Facility (CBWTF) by M/s AV Biomedical Waste Services is located at Khasra No. 167Mi Village- Maleya, Tehsil- Sandila, District-Hardoi, Uttar Pradesh

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

Area: 8093.71 Sqm.

EC Reference No. EC22B057UP118105

File No. - 6288

Dated: 07/10/2022

Period- April 2024 to September, 2024

ENVIRONMENTAL CONSULTANT

RIAN ENVIRO PRIVATE LIMITED

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NABET ACCREDETION NO.: NABET/EIA/2124/SA019-Rev.01 VALID TILL 11/12/2024

Name of the project: Common Bio Medical Waste Treatment Facility (CBWTF) by M/s AV Biomedical Waste Services is located at Khasra No. 167Mi Village- Maleya, Tehsil- Sandila, District-Hardoi, Uttar Pradesh	**Project Code:** 2588
Clearance Letter No.- EC22B057UP118105	**Period of Compliance Report:** April 2024 to September 2024

<table>
<tr><th>S.No.</th><th>Conditions</th><th colspan="3">Compliance Status</th></tr>
<tr><td></td><td>Additional Conditions:</td><td colspan="3"></td></tr>
<tr><td>01.</td><td>Directions/suggestions given during public hearing and commitment made by the project proponent should be strictly complied.</td><td colspan="3"></td></tr>
<tr><td></td><td></td><td colspan="3">Directions/suggestions given during public hearing and commitment made by the project proponent along with its implementation status are as follow.</td></tr>
<tr><td></td><td></td><td>Query Raised</td><td>Commitment</td><td>Implementation status</td></tr>
<tr><td></td><td></td><td>From where the hospital waste collected?</td><td>M/s AV Biomedical Waste Services has made MoU with hospitals, pathology, health centres.
MoU is attached as evidence.</td><td>Followed and implemented as per guideline. Similarly CTE/CTO where also followed</td></tr>
<tr><td></td><td></td><td>Unemployed people of our area will get job opportunity or not?</td><td>The Local people were hired on the basis of
their skill and qualification in both phases
(Construction as well operational) of the project. Indirect employment will also be generated in the area due the proposed project.</td><td>Construction Phase:
15 people was hired locally during construction phase.
Operation phase:
27 percent of total manpower i.e., 10 people employed locally in operation phase.
Total Manpower-38 persons.</td></tr>
<tr><td></td><td></td><td>Will there be any impact of any kind of pollution due to the project?</td><td>Air pollution control device (Venturi Scrubber) attached with stack of 30 meter height is already installed at site.
Water will not be affected due to project as the plant worked on ZLD Scheme.</td><td>Implemented</td></tr>
</table>

		2 percent will be spent by the proponent related to development in your village schools, panchayat building etc.	Two percent of the total project cost will be spent on the development of the schools and panchayat buildings of the nearby villages	Partially implemented.
		Action plan is attached as annexure I.		
02.	The unit shall strictly comply with the CPCB guidelines for setting up the Common Bio-Medical Waste Treatment Facility (CBWTF).	Compliance with the CPCB guidelines for setting up CBWTF is as follow.		

		Sl. No.	Conditions	Compliance
		a.	Prescribed authority under the BMWM Rules, 2016 i.e., State Pollution Control Board in the respective State or Pollution Control Committee 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 waste generation for the next ten years.	Consent to Establish vide Ref No.-139010/UPPCB/Unnao(UPPCBRO)/CTE/HARDOI/2021 DATED 13/12/2021 valid upto 31/12/2026. Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent and authorization) (Fresh) under Section-25 of the Water (Prevention and Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention and Control of Pollution) Act, 1981 vide ref no. 186378/UPPCB/Unnao(UPPCBRO)/CTO/both/HARDOI/2023 dated 05/07/2023 valid upto 31/12/2027. Attached as annexure II.
		b.	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. 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 MoEFCC and 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	Gap analysis shall be done by Regional Officer, Unnao Assistant Scientist Shri Mahesh Chand Kashyap. On dated 13/09/2021 vide letter G36289/C-5/NOC49/UH/21 dated 03/09/2021. A total of 06 CBWTF plants are operating within a radius of 75 km from the proposed CBWTF site, in which the treatment capacity of each CBWTF is different. There are total 69328 beds and 2656 non-beds under 06 CBWTF. As per the promulgated guidelines, each CBWTF is to have 10000 beds and 3750 kg of bio-waste to be treated per day. It is clear in the above gap assessment of biomedical waste generated per day that based on the total number of beds/non-beds, there is a need for availability of 01 no of CBWTF biomedical waste generated per day within a radius of 75 km of the proposed site. Attached as annexure III

				BMWM Rules is required to submit the detailed proposal to MoEFCC/MoH and FW through the respective State Government or UT Administration. Also, the option of forming association by the group of heath 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.	
			c.	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 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.	Gap analysis shall be done by Regional Officer, Unnao Assistant Scientist Shri Mahesh Chand Kashyap. On dated 13/09/2021 vide letter G36289/C-5/NOC49/UH/21 dated 03/09/2021. A total of 06 CBWTF plants are operating within a radius of 75 km from the proposed CBWTF site, in which the treatment capacity of each CBWTF is different. There are total 69328 beds and 2656 non-beds under 06 CBWTF. As per the promulgated guidelines, each CBWTF is to have 10000 beds and 3750 kg of bio-waste to be treated per day. It is clear in the above gap assessment of biomedical waste generated per day that based on the total number of beds/non-beds, there is a need for availability of 01 no of CBWTF biomedical waste generated per day within a radius of 75 km of the proposed site. 75 km map is attached as annexure 4.
			d.	Alternately, a CBWTF may also be	Noted

				allowed to be established on a land procured by an entrepreneur in accordance with the location criteria suggested under these guidelines.	
			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 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.	Land conversion certificate is attached as annexure
			f.	In the absence of expression of interest by any proponent, then SPCB/PCC shall insist health care facilities to form association and to develope 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.	Noted
			g.	In case of any regulatory action including closure of any existing CBWTF is inevitable, the respective SPCB/PCC may take action under the BMWM Rules including for making	Agreed and noted.

			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.	
		h.	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.	Not applicable.
03.	Proponent shall strictly comply the design criteria for incinerator, autoclave, shredder and all other requirements including bar-coding etc. as per the CPCB guidelines.	We confirm that we have strictly complied with the design criteria for incinerator, autoclave, shredder, and all other requirements, including bar-coding, as per the Central Pollution Control Board (CPCB) guidelines. We have ensured that all equipment and systems were designed, installed, and operated in accordance with the relevant CPCB norms and guidelines. Attached as annexure VI.		
04.	The unit shall strictly ensure mercury waste management at health care facility as per the CPCB guidelines.	Mercury wastes are not treated at our facility. Instead, they are managed and disposed of by the Health Care Facilities (HCFs) themselves.		
05.	The unit shall establish Standard Operating Procedure for waste collection, handling transportation, treatment and disposal as per Biomedical Waste Management Rules 2016.	Standard Operating Procedure for waste collection, handling transportation, treatment and disposal as per Biomedical Waste Management Rules 2016 is attached as annexure VII.		

06.	Zero Liquid Discharge (ZLD) status shall be maintained all the time.	We have already implemented the Zero Liquid Discharge (ZLD) scheme. The treated water from our Effluent Treatment Plant (ETP) is being reused for greenbelt development.
07.	The project proponent shall comply with the Environmental standards notified by MoEF&CC for incinerators along with the technology/guidelines.	The incinerator technology used in our facility complies with the environmental standards notified by the Ministry of Environment, Forest and Climate Change (MoEFCC). The details of the technology used are as per the guidelines and a diagrammatic representation is attached as Annexure VIII.
08.	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 IX.
09.	Authorization from UPPCB under Bio-medical waste (Management and Handling) rule, 2016 shall be obtained.	We have obtained the authorization from the Uttar Pradesh Pollution Control Board (UPPCB) under the Bio-medical Waste (Management and Handling) Rules, 2016. A copy of the authorization is attached as Annexure X.
10.	The unit shall develop 33% of plot area as a green belt within premises as per the CPCB guidelines.	A total area of 2670.92 sqm has been designated and developed as a green belt, as per the requirements. Supporting photographs of the green belt area are attached as Annexure XI.
11.	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.	The project site does not involve any forest land. Consequently, no forest clearance is required for the project.

12.	Proposed CBWTF shall comply with the revised guidelines issued by CPCB on December 21st 2016 with respect to location criteria.	**S. No.**	**Parameter**	**Criteria**	**Observation**
		1	Lake or Pond (Distance from SW body)	Should not be within 200m	No lake or pond is located within 200m from the Site. Siras Jheel is 2.1 Km in NW direction.
		2	River	Should not be within 100m	The nearest water body is Sarda Canal 4 Km West Ganga River is located at 46.13 Km in SW direction.
		3	Flood Plain	Should not be within 100-year flood plain	Not in the flood plain.
		4	High way- State or National	Should not be within 500m	MDR 31C 1.51 Km (E) Sandila Road-4.48 Km (NW) State Highway 2 5 5.69 Km (E)
		5	Habitation- Notified habituated area	Should not be within 500m	Maleya 1.25 km in E direction Sandila 5.25 km in NE direction
		6	Public Parks	Should not be within 500m	No public parks within 500m
		7	Critical habit area- area in which one or more endangered species live	Not suitable	There are no endangered species in the site.
		8.	Reserved Forest area	Not suitable	Proposed land does not belong to Forest
		9.	Wet lands	Should not be within 500m	Not Available
		10.	Airport	Not Suitable	Chaudhary Charan Singh International Airport -47.63 Km SE direction
		11.	Coastal Regulation Area	Not suitable	Not suitable

12.	Ground water table level	GW table should be less than 2m from the base of the landfill	No land fill proposed.
13.	Presence of monuments/ religious structures.	Should not be within 200m	No

Sl.no	Condition as per guideline	Compliance
1.	A CBWTF can be located at a place reasonably far away from notified residential and sensitive areas and should have a buffer distance of preferably 500 m so that it shall have minimal impact on these areas.	No notified residential and sensitive areas in 500 m from the project site. The detailed committee report of UPPCB is attached as Annexure -III
2.	Sufficient land shall be allocated to the CBWTF to provide all requisite systems which include dedicated space for storage of waste (both treated and untreated), waste treatment equipment, vehicle washing bay, vehicle parking space, ETP, incineration ash storage provision, administrative room, space for DG Set etc.	2 Acers of land was already procured and land conversion was done for the non-agriculture use. Land document and conversion document are attached Annexure -V.
	Coverage area of CBWTF Suggested coverage area for development of a CBWTF is as follows:	

		3.	In case, number of beds is exceeding >10,000 beds in a locality (i.e. coverage area of the CBWTF under reference) and the existing treatment capacity is not adequate, in such a case, a new CBWTF may be allowed in such a locality in compliance to various provisions notified under the Environment (Protection) Act, 1986, to cater services only to such additional bed strength of the HCFs located.	The number of beds in 75 km radius are ~69378 as per the ROUPPCB report attached as Annexure -III. The Coverage area of 75 km already have 06 no of CBWTF facilities and as per the criteria one more CBWTF is required to cater all the HCU beds available in 75 km buffer area.
13.	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 has been done by Regional Officer, Unnao (Assistant Scientist Shri Mahesh Chand Kashyap). On dated 13/09/2021 vide letter G36289/C-5/NOC49/UH/21 dated 03/09/2021. A total of 06 CVWTF plants are operating within a radius of 75 km from the proposed CBWTF site, in which the treatment capacity of each CBWTF is different. There are total 69328 beds and 2656 non-beds under 06 CBWTF. As per the promulgated guidelines, each CBWTF is to have 10000 beds and 3750 kg of bio-waste to be treated per day. It is clear in the gap assessment of biomedical waste generated per day that based on the total number of beds/non-beds, there is a need for availability of 01 no of CBWTF biomedical waste generated per day within a radius of 75 km of the proposed site. Gap analysis report from UPPCB is attached as annexure III.	
14.	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.		
15.	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 were partially implemented. The implementation will be completed within 4 to 5 months. Details are attached as Annexure 36.		

16.	Dual pipelines plan for reuse of treated water should be implemented. No treated water should be discharged into the municipal drain without permission of competent authority.	A dual pipeline system has been implemented for the reuse of treated water. The plant operates on a Zero Liquid Discharge (ZLD) scheme. Supporting photographs of ETP are attached as Annexure 21 & 37.
Standard Environmental Clearance Conditions prescribed by MoEF&CC:		
I.	**Statutory compliance:**	
01.	The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.	Not applicable to this project as no forest land is involved in the project
02.	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.
03.	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	There is no schedule 1 species found within the study area of the project site, hence this condition is not applicable.

	case of the presence of schedule-I species in the study area)	
04.	The project proponent shall obtain Consent to establish/Operate under the provisions of the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Consent to Establish vide Ref No.- 139010/UPPCB/Unnao (UPPCBRO)/CTE/HARDOI/2021 dated 13/12/2021 with validity upto 31/12/2026 and Consolidated Consent to Operate and Authorisation vide ref no. 186378/UPPCB/Unnao(UPPCBRO)/CTO/both/HARDOI/2023 dated 05/07/2023 with validity upto 31/12/2027 has been obtained from Uttar Pradesh Pollution Control Board. Copy of CTE and CTO attached as annexure II.
05.	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 Rules1989.	Transportation and handling of Bio-medical Wastes is done as per the Bio-medical Waste (Management and Handling) Rules, 2016, including sections 129 to 137 of the Central Motor Vehicle Rules, 1989. A copy of the Standard Operating Procedure for waste collection, handling, transportation, treatment, and disposal, as per the Bio-medical Waste Management Rules, 2016, is attached as Annexure VII.
06.	The project shall fulfill all the provisions of hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2016 including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration — 2005, issued by CPCB Guidelines of CPCB/MPPCB for Bio-medical Waste Common Hazardous Wastes incinerators shall be followed.	Copy of authorization from UPPCB attached as annexure X and copy of MoU with TSDF attached as Annexure XIII.
07.	The project proponent shall	The ground water requirement is less than 10 KLD therefore no ground water NOC is required as per Notification

	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.	No.-330/76-3-2021-44NG/2020 Lucknow, dated: 02 March, 2021. Copy of the Notification is attached as annexure 14.
08.	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 15.
09.	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:**	
01.	The project proponent shall install an emission monitoring system including Dioxin and furans in monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online serves and calibrate these systems from time to time according to equipment supplier	An online monitoring system has been installed. Details are attached as Annexure 16. Dioxin and Furans will be regularly monitored as per the prescribed standards. Attached as annexure 17.

	specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	
02.	Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.	Complied. Monitoring Reports are attached as annexure 18.
03.	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 is strictly followed.
04.	Venture scrubber (alkaline) should be provided with the incinerator with stack of adequate height (Minimum 30 meters) to control particulate emission within 50 mg/Nm3.	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 19.
05.	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	A Venturi scrubber has been installed as part of the Air Pollution Control (APC) system to effectively control emissions from process. This system ensures compliance with the prescribed emission standards, maintaining a safe and environmentally friendly operation.

06.	Masking agents should be used for odour control.	Masking agent has been used for odour control.
III.	**Water quality monitoring and preservation:**	
01.	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.	Effluent monitoring system has been installed. Photographs are attached in annexure 20.
02.	Waste water generated from the facility shall be treated in the ETP and treated waste water shall be reused in the APCD connected to the incinerator. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero discharge should be maintained.	ETP of 10 KLD is installed and treated waste water is reused in the APCD connected to the incinerator. Zero liquid discharge is maintained at the site Photographs of ETP attached as annexure 21.
03.	Process effluent/any waste water should not be allowed to mix with storm water.	Waste water is not allowed to mix with storm water.
04.	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. Source of fresh water is ground water and ground water NOC is not required as per notification No.-330/76-3-2021-44NG/2020 Lucknow, Dated: 02 March, 2021.
05.	A sewage Treatment Plant shall be provided to treat the wastewater generated from the	Domestic waste water is managed through septic tank followed by soak pit.

	project. Treated water shall be reused within the project.	
06.	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
07.	The leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.	Not applicable
08.	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.	Magnetic flow meters have been provided at the inlet and outlet of the ETP. Attached as annexure 22.
09.	Rain water runoff from the hazardous waste storage area shall be collected and treated in the effluent treatment plant.	We confirm that there will be no rainwater runoff from the hazardous waste storage area, as the hazardous waste is stored in a fully enclosed, designated room, eliminating any possibility of runoff.
IV.	**Noise monitoring and prevention:**	
01.	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.	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.
V.	**Energy Conservation measures:**	
01.	Provide solar power generation on roof tops of buildings, for the solar light system for all	Provision has been made for solar power generation on rooftop of buildings to support the following: ▪ Solar lighting system for all common areas

	common areas, street lights, parking around the project area and maintain the same regularly;	▪ Street lights ▪ Parking area lighting around the project area Regular maintenance of the solar power system will be ensured to guarantee optimal performance Photographs are attached as annexure 23.
02.	Provide LED lights in their offices and residential areas	LED lights are provided inside the plant premises. Photographs of LED Lights are attached as annexure 24.
VI.	**Waste management:**	
01.	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.	Incinerated ash is disposed off at an approved TSDF site, vide Membership No. UPWMP-KNP-HzW-CHW-TSDF-2365, dated 15th September 2023. A copy of the MOU regarding this arrangement is attached as Annexure 13.
02.	The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016.	Yes solid wastes are managed as per the norms of the Solid Waste Management Rules, 2016. Colour coded dustbin provided for storage of solid waste.
03.	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.	MSW are handover to local municipal authority.
04.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016	C and D Waste has been managed at site. 50kg/sq. m generated waste used for filling purpose.
05.	No landfill site is allowed within the CBWTF site.	Noted

06.	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:**	
01.	Green belt shall be developed in the area as provided in project details, with native tree Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Greenbelt development is going on in 2670.92 (33 percent) of the total plant area. Photographs are attached as annexure 11.
VIII.	**Public bearing and Human health issues:**	
01.	Feeding of materials/Bio-medical waste should be mechanized and automatic no manual feeding is permitted.	No manual feeding has been done. Conveyors are provided for feeding. Photographs are attached as annexure 25.
02.	Proper parking facility should be provided for employees & transport used for collection & disposal of waste materials.	Adequate parking facilities (65.5 sq. m) are provided for employees and transport vehicles used in plant operation. Photographs are attached as annexure 26.
03.	Necessary provision shall be made for fire-fighting facilities within the complex.	Fire fighting facilities like Fire tenders, Fire extinguisher, fire alarms, smoke detector, fire water hydrant etc. provided at the project site. Photographs re attached as annexure 27.
04.	An emergency preparedness plan based on the Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Hazard Identification and Risk Assessment (HIRA) and Disaster Management Plan are attached as annexure 28.
05.	An emergency plan shall be	A copy of the Emergency Plan, outlining measures to mitigate hazards to human health and the environment

	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.	resulting from fires, explosions, or unplanned releases of hazardous waste, is attached as Annexure 29.
06.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	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
07.	Occupational health surveillance of the workers shall be done on a regular basis.	Bi-annual occupational health surveillance for workers is conducted every year. Labour and workers' health certificates are attached as Annexure 30.
IX.	**Corporate Environment Responsibility:**	
01.	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.1I I dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.	Noted for action
02.	The company shall have a well laid down environmental policy	Copy of Environmental policy duly approved by the director of the company is attached as annexure 31.

	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.	
03.	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.	A separate Environmental Cell has been constituted with qualified personnel. Details of the Environmental Cell are attached as annexure 32.
04.	Action plan for implementing EMP and environmental conditions along with the responsibility matrix of the company shall be prepared and shall be duly approved by the competent authority. The year-	Action plan for implementing EMP has been prepared. We assure that funds earmarked for environmental protection measures will not be diverted for any other purpose.

	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.	
05.	A self-environmental audit shall be conducted annually. Every three years third-party environmental audit shall be carried out.	Noted for action
X.	**Miscellaneous:**	
01.	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed	Copy of newspaper advertisement attached as annexure 33.
02.	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	Noted

	Government who in turn has to display the same for 30 days from the date of receipt.	
03.	The project proponent shall upload the status of compliance with the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Compliance report is uploaded at the Parivesh Portal of MOEFCC.
04.	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.	Reports on the status of the compliance of the stipulated environmental conditions are regularly submitted.
05.	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.
06.	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	Regular monitoring are carried out for all environmental Parameters along with stack monitoring. Monitoring data are displayed near the main gate of the company. Photographs are attached as annexure 34.

	displayed at a convenient location near the main gate of the company in the public domain.	
07.	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 35.
08.	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.
09.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitments made during Public hearings and also that during their presentation to the Expert Appraisal Committee.	We are adhering to all our commitments and recommendations made in the EIA/EMP report.
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 (MoEFCC).
11.	Concealing factual data or submission of false/fabricated	Noted We have not concealed any factual data or submitted false/fabricated data at any stage.

	data may result in revocation of this environmental clearance and attract action under the provisions of the Environment (Protection) Act, 1986.	
12.	The Ministry may revoke or suspend the clearance if the implementation of any of the above conditions is not satisfactory.	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	Agreed

	Wastes (Management and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts/NGT and any other Court of Law relating to the subject matter.	
16.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Agreed

ANNEXURE 1

Public hearing action plan

Sl No.	Name and Address of Objector /Suggestor	Time bound action Plan	Implementation
1	Shri Jabbar, Gram Panchayat Shah, Tehsil- Sundila Janpad-Hardoi has asked where the hospital waste will be collected from?	a. Bio-medical waste will be collected from nearby hospital, pathology, health centers falling in its jurisdiction. b. Take all necessary steps to ensure that the bio-medical waste collected from the occupier is transported, handled, stored, treated and disposed of, without any adverse effect to the human health and the environment, in accordance with Biomedical Waste Management Rules, 2016 and guidelines issued by the Central Government or the central pollution control board from time to time; c. Ensure timely collection of bio-medical waste from the occupier; d. Establish bar coding and global positioning system for handling of bio-medical waste within 2-3 months.	1. CBWTF, Sandila of M/s AV Biomedical Waste Services has made MoU with hospitals, pathology, health centers to whom the services has been provided. Copy of the MoU is attached as Annexure 33. 2. The biomedical waste is being collected in the designated vehicle embedded with GPS machine and have separate chambers for waste transportation. Copy of the transportation vehicle is attached as Annexure 34.

2	Shri Ajay kumar Singh, Gram Goshwa, Tehsil Sundila Janpad Hatdoi asked whether unemployed people of our area will get job opportunity or not?	The Local people were hired on the basis of their skill and qualification in both phases (Construction as well operational) of the project. Indirect employment will also be generated in the area due the proposed project. In consultation with local people skill development program are organized time to time.	During construction phase, around 10-12 workers from nearby villages were hired. Now, there are 3 people working in the plant belong to local villages.

3.	Shri Abdul Gazi, Gram Madaiya, Tehsil- Sundila Janpad- Hardoi has asked will there be any impact of any kind of pollution due to the installation of the plant? Will the water here be infected?	Air Pollution Control APCD equipment – Stack Height of 30 m and Venturi scrubber are installed to control the air pollution generated from the incineration. The entire system shall be a zero discharge system in terms of wastewater discharge from the process as recirculated through ETP. All the pollution control equipment is regularly monitored.	A 30 m high Stack with venturi scrubber is already present at the site. The photograph is attached as Annexure 17. The plant is a ZLD plant and treated water from ETP is used in gardening. Photographs of the ETP and garden area are an enclosed as Annexure 18 & 7.
4.	Additional District Magistrate Hardoi.	The project proponent will ensure that all the commitment done in the PH will be followed	For the development of the area, solar street lights have been installed by on the village road.

	ADM Hardoi said that the entire community present here in today's meeting has been told in technical language by the above teams, which may not have come in the knowledge of all of you. She said that wherever a factory is established, it develops the area. People come from outside, if they stay here, the development of the nearby area takes place. There is no common bio-medical treatment facility in the district so far, due to which filth spreads from the hospital. If any factory is set up here, then the surrounding area is developed. And out of the total budget, 2% will be spent by this institution in any way related to development in your village schools, panchayat buildings etc.	and regular compliances will be done. Two percent of the total project cost will be spent on the development of the schools & panchayat buildings of the nearby villages	Photographs are enclosed as annexure 19.

ANNEXURE 2

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 :08/12/2021 To 31/12/2026

Ref No. - 139010/UPPCB/Unnao(UPPCBRO)/CTE/HARDOI/2021 Dated:- 13/12/2021

To ,

Shri VINAY KUMAR RAI
M/s MS AV BIOMEDICAL WASTE SERVICES
Khasra No. 167Mi and 90Mi, Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh.
,HARDOI,241204
HARDOI

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 Polution) Act, 1981 as amended.

Please refer to your Application Form No.- 13729839 dated - 07/10/2021. 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 :

B- Main Raw Material :

Main Raw Material Details		
Name of Raw Material	**Raw Material Unit Name**	**Raw Material Quantity**
NA	Metric Tonnes/Day	0

C- Product with capacity :

Product Detail	
Name of Product	**Product Quantity**
CBTWF (Incinerator: 250 Kg/hour)	250

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 (ln 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**

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 31/12/2026 to the Board.
4. Industry will not start its operation, unless CTO is obtained under water (Prevention and control of Pollution) Act, I974 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 Consent to Establish is being granted to M/s AV Biomedical Waste Services to establish a Common Biomedical Waste Treatment Facility (CBWTF) for the treatment of Biomedical Waste at Khasra no. 167Mi and 90Mi, Village-Maleya, Tehsil-Sandila, Hardoi, subject to grant of Environmental Clearance (EC) from the concerned authority.

2. The PP shall ensure to obtain EC from SEIAA. This CTE certificate shall only be valid subject to issuance of Environmental Clearance from the SEIAA, UP.

3. No construction work at the proposed project site shall be started without obtaining Environmental Clearance from SEIAA, UP.

4. The PP shall ensure to submit the Land use certificate in the Board within 02 months from the date of issuance of this certificate.

5. The capacity of the Incinerator shall be 250 Kg/hr, Autoclave capacity-1000 Kg/Batch, Shredder capacity-1500 Kg/hr and Chemical Disinfection Tank capacity-1500 Lt in the proposed CBWTF.

6. In the case of any change/enhancement of capacity or process, further prior permission shall be obtained from the Board. This CTE shall be valid from the date of issuance.

7. The PP shall ensure to obtain CTO (Water & Air) from the Board prior to the commencement of the treatment & processing of waste.

8. The proposed unit shall ensure that collection, transportation, storage & treatment of Biomedical Waste will be done in a systematic manner by complying all regulatory norms as stipulated in Biomedical Waste (Management & Handling) Rules, 2016 and CPCB Guidelines 2016 for installation of Common Biomedical Waste Treatment Facility.

9. The effluent generated from all sources such as Autoclaving section, Vehicle washing, floor washing, scrubbing etc. shall be treated in ETP and after treatment the treated water shall be recycled and reused in the quencher as well in Air Pollution Control System and green belt.

10. The PP shall ensure to install proper Air Pollution Control System i.e. ventury scrubber attached with Diesel Fired Double Chamber Incinerator of 250 Kg/hr capacity and the stack height shall be maintained at 30 meter from ground level.

11. The PP shall ensure to install APCS in such a manner so that it can achieve the emission standards of (i.e. Particulate matter, NO2, HCL, Total Dioxins and Furans, Hg and its compounds) as specified in Schedule-II of Biomedical Waste Management Rules, 2016.

12. The PP shall install ETP of 10 KLD capacity for the treatment of effluent and treated water shall be reused in process to achieve zero liquid discharge.

13. Incineration ash (ash from incineration of any bio-medical waste) shall be disposed through hazardous waste treatment, storage and disposal facility, as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

14. The PP shall ensure to install OCEMS on the stack of incinerator and connect it with CPCB/Board's server.

15. The PP shall comply to the provisions of Construction & Demolition Rules 2016 at the time of construction.

16. The PP shall ensure to install the roof top rain water harvesting (RWH) system and piezometer within the premises.

17. The PP shall comply with 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, Solid Waste Management Rules 2016 & Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 (Whichever is applicable).

18. the PP shall develop proper green belt as per the guidelines issued vide Board office order no. H10405/220/2018/02 Dt. 16-02-2018 shall be complied.

19. The Order issued by Hon'ble Courts/Hon'ble NGT, MoEF & CC, Central Pollution Control Board, U.P. Pollution Control Board shall be complied with.

20. The PP shall install the proposed 01 no. DG set of capacity 32.0 KVA with acoustic enclosure and stacks as per prescribed norms.

21. The PP shall ensure to obtain as per applicable rules NOC for withdrawal of ground water from U.P. State Ground Water Authority, within 03 months and submit it to the Board.

22. The dust emission from the construction sites shall be completely controlled and all precautions will be taken in that behalf at the time of construction.

23. The PP shall ensure to submit a bank guarantee of Rs. 8,50,000/- within 15 days to ensure the compliance of the above conditions from Sl. no. 1 to 22.

Please note that consent to Establish will be revoked, in case of, non compliance ot 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 13/01/2022 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

This CTE is issued with approval of competent authority.

Chief Environmental Officer, Circle-5, UPPCB.

Dated:- 13/12/2021

Copy To -

Regional Officer, UPPCB, Unnao.

This CTE is issued with approval of competent authority.

Chief Environmental Officer, Circle-5, UPPCB.

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

186378/UPPCB/Unnao(UPPCBRO)/CTO/both/HARDOI/2023 **Date: 05/07/2023**

To,

M/s

MS AV BIOMEDICAL WASTE SERVICES

Khasra No. 167Mi and 90Mi, Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh. ,HARDOI,241204

Application Id-21597042

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 **Khasra No. 167Mi and 90Mi, Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh. ,HARDOI,241204**. 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 05/07/2023 to 31/12/2027** and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Treatment of Bio Medical Waste	120	Metric Tonnes/Month

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	**2.0 KLD**	**Septic Tank**	**Horticulture**
Domestic	**8.0 KLD**	**ETP**	**ZLD**

(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
1	Zero Liquid Discharge	ZLD

(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

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	32 KVA DG set	Diesel	1	Particulate Matter	as per norms
2	01 nos. Incinerator (capacity of 250 kg/hr) along with venture scrubber	Diesel	1	Particulate Matter	30 meter from GL

Emmission Quality Standards

S No.	Stack no	Parameters	Standards
1	1	Particulate Matter	as prescribed in BioMedical Waste Management Rules, 2016 issued by MoEF & CC vide gazette notification dated 28- 3-2016.

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	Sch-1, Cat.-37.2 (Ash from incinerator and flue gas cleaning residue)	TSDF	0.6 TPD
2	Sch-1, Cat.-37.1 (Sludge from wet scrubbers)	TSDF	0.005 TPD

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 results 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 Industial 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:-
This Consent is valid for the Treatment, Disposal of Bio-Medical Waste through Incinerator (250 kg/hr) Autoclave (1000 kg/hr) and Shredder (1000 kg/hr) with the following conditions:

1. Treated effluent shall be reused/recycled to the maximum possible and rest shall be used for irrigation to achieved ZLD.

2. Electromagnetic flow meter shall be installed at the Outlet of the ETP and log book be maintained.

3. A rotational PTZ web cam shall be installed.

4. Separate Energy meter shall be installed for recording the electricity consumption in the operation of the ETP and a log book be maintained.

5. Bar Coding system shall be adopted as prescribed in the Bio-Medical Waste Management Rules, 2016.

6. Discarded medicines shall be disposed of as per the provisions of Bio-Medical Waste Management Rules, 2016.

7. ETP shall be operated and maintained to ensure that the treated effluent shall meet the prescribed standards.

8. Proper temperature shall be maintained in all the chambers of the Incinerator while disposing the Bio-Medical Waste.

9. Incineration Ash shall be stored and disposed as per the provisions mentioned in Hazardous and Other Waste (Management and Transboundary) Rules, 2016 and other guidelines laid down by CPCB.

10. Proper and regular operation of GPS equipments, installed in all the vehicles plying to collect and transport Bio Medical Waste, shall be ensured.

11. Latest attested copy of Balance sheet/Audited C.A. Certificate indicating (Fixed Assets + Current Assets-

Current Liabilities) for the financial year 2017-2018 should be submitted to verify the consent fee payable by the industry.

12. Proper disposal of Solid Waste should be ensured such that it does not pollute the underground water.

13. All Non-Chlorinated plastic Bags shall be used as per BIS standards and prevailing Plastic Waste Management Rules, 2016.

14. Ensure the collection of the Segregated Bio-Medical Waste as per the Bio-Medical Waste Management Rules, 2016.

15. The unit shall comply with the provisions of notification no. SO. 3187(E) dated 07-10-2016 by Ministry of Water Resources, River Development and Ganga Rejuvenation, Govt. of India.

16. Ensure the time bound compliance of the provisions of Bio-Medical Waste Rules, 2016.

17. Ensure strict compliance of the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended.

18. The unit shall obtain NOC from CGWA before abstracting underground water and submit its copy to this office as well.

19. The Facility shall be operated in such a way so that it does not affect the surrounding population and environment.

20. The industry shall ensure to comply all conditions mentioned in CTE and Environmental Clearance (EC).

21. The CBWTF shall ensure to achieve the standards for treatment and disposal of bio-medical waste as specified in Schedule II for retention time in secondary chamber and Dioxin and Furans within two years from the date of this notification.

22. The unit shall submit the emission test report including the parameters for Dioxin and Furons within a month from NABL accredited laboratory.

23. The CBWTF shall mandatorily submit its Annual Status Report to CPCB as well as UPPCB within the stipulated time.

24. If 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 effective with additional conditions mentioned in the closure revocation order.

25. This CCA is subject to order passed by Hon’ble High Court, Allahabad, Lucknow Bench Writ-C No. of 2023 M/s Spectrum Waste Management Pvt. Ltd. V/s Union of India & others.

Chief Environmental Officer,
Circle-5, UPPCB.

Copy to:

Regional Officer, UPPCB, Unnao.

Chief Environmental Officer,
Circle-5, UPPCB.

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-रीसाइक्लिंग 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 प्रथाक्कीकरण 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 3

Gap Analysis

उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड, लखनऊ

मैसर्स ए0बी0 बायोमेडिकल वेस्ट सर्विसेज खसरा नं0 167मि, 90 मि., ग्राम–मलैया, परगना व तहसील–सण्डीला, जनपद–हरदोई नामक के प्रस्तावित नवीन सी0बी0डब्ल्यू0टी0एफ0 सयंत्र के उपयुक्तता Revised Guidelines for Common Bio-medical Waste Treatment Facilities दिनांक 21/12/2016 के अलोक मे पर्यावरणीय दृष्टिकोण से सम्बन्धी विवरण एवं स्थल निरीक्षण आख्या :–

उपरोक्त विषयक बोर्ड मुख्यालय पत्र G36289/C-5/NOC49/UH/21 दिनांक 03/09/2021 के अनुपालन में गठित टीम सदस्यों द्वारा प्रस्तावित नवीन सी.बी.डब्ल्यू.टी.एफ. मै0 ए0बी0 बायोमेडिकल वेस्ट सर्विसेज खसरा नं0 167मि, 90 मि., ग्राम–मलैया, परगना व तहसील–सण्डीला, जनपद–हरदोई का निरीक्षण दिनांक 13/09/2021 को किया गया । निरीक्षण के समय क्षेत्रीय कार्यालय उन्नाव के सहायक वैज्ञानिक अधिकारी श्री गणेश चंद कश्यप सहयोगी के रूप में उपस्थित थे, आख्या निम्नवत है :–

1. 02 कि0मी0 की त्रिज्या मे प्रस्तावित स्थल की स्थिति सम्बन्धी विवरण :

पूरब दिशा :– प्रस्तावित स्थल से सटा हुआ मलैया–सर्वे लिंक मार्ग तत्पश्चात् कृषि भूमि एवं लगभग 1.0 कि0मी0 की दूरी पर सण्डीला–उन्नाव रोड, लगभग 1.4 कि0मी0 की दूरी पर ग्राम– बहादुरखेड़ा की आबादी लगभग 900 स्थित है।

पश्चिम दिशा :– कृषि भूमि स्थित है। उत्तर दिशा में कृषि भूमि, लगभग 1.4 कि0मी0 की दूरी पर ग्राम–गोसवा डोंगा की आबादी लगभग 600 एवं उसी के निकट स्थित ग्राम–गोसवा की आबादी लगभग 1500 स्थित है।

दक्षिण दिशा :– कृषि भूमि, लगभग 200 मी0 की दूरी पर हाइटेंशन लाइन, लगभग 638 मी0 की दूरी पर ग्राम–मलैया का मजरा की आबादी लगभग 100 तत्पश्चात् कृषि भूमि स्थित है। प्रस्तावित स्थल से लगभग १०० मीटर की दूरी पर मुर्गी पालन फार्म स्थित है ।

पूरब–दक्षिण दिशा :– कृषि भूमि, लगभग 1.2 कि0मी0 की दूरी पर ग्राम–मस्जिद मलैया की आबादी लगभग 700 स्थित है।

पश्चिम–उत्तर दिशा :–प्रस्तावित स्थल से लगभग 50 मी0 की दूरी पर 05 बीघा का आम का बाग स्थित है ।

पश्चिम–उत्तर दिशा :– कृषि भूमि, लगभग 1.1 कि0मी0 की दूरी पर ग्राम–अजरैल की आबादी लगभग 500 स्थित है।

पूरब–उत्तर दिशा :– कृषि भूमि, लगभग 2.60 कि0मी0 की दूरी पर ग्राम–बेसरिया की आबादी लगभग 1150 स्थित है।

2. प्रस्तावित स्थल (27°00'69.3"N; 80°29'51.3"E) के 75 किमी0 की त्रिज्या मे संचालित सी0वी0डब्ल्यू0टी0एफ0 सयंत्रो की स्थिति सम्बन्धी विवरण :

क्रम संख्या	यूनिट का नाम	देशान्तर: अक्षांश	प्रस्तावित स्थल से दूरी (किमी मे)	प्रस्तावित नवीन सीवीडब्ल्यूटीएफ से किस दिशा में मौजूद है
1	M/s Star Pollutech, Vill-Musabbarpur Road, Chandra, Maholi, Sitapur	27°39'12.1"N 80°26'44.4"E	71.50	North
2	M/s Synergy Waste Management Vill-Mohammadpur, Nawabganj, Barabanki	26°56'58.8"N 81°09'31.4"E	66.52	East
3	M/s Spectrum Waste Solution (P) Ltd., Vill-Mastemau, Sultanpur Road, Lucknow	26°48'04.8"N 81°01'54.1"E	58.78	South-East
4	M/s SMS Watergrace Mediwaste Management (P) Ltd. Vill-Bindowa, Tehsil.-Mohanlalganj, Disrict-Lucnow	26°38'21.3"N 81°00'10.5"E	65.59	South-East
5	M/s Medical Pollution Contrlo Committee, Bhauti, Kanpur Nagar,	26°26'40.6"N 80°12'01.6"E	69.00	South
6	M/s Willword Environmental Inc. Chaudharypur, Mandhana, Bithoor Road, Kanpur Nagar	26°35'13.1"N 80°15'16.7"E	53.00	South-West

सारिणी -1

3. प्रस्तावित स्थल (27°00'69.3"N; 80°29'51.3"E) के 75 किमी0 की त्रिज्या मे संचालित सी0वी0डब्ल्यू0टी0एफ0 सयंत्रो की स्थिति सम्बन्धी विवरण :

क्षेत्रीय कार्यालय लखनऊ व क्षेत्रीय कार्यालय कानपुर में उपलब्ध अभिलेखानुसार सीवीडब्ल्यूटीएफ के अधीन आने वाली एच सी एफ के वेडस/ नानवेडस की संख्या का विवरण निम्नवत सूचित है :

क्रम संख्या	सीवीडब्ल्यूटीएफ यूनिट का नाम	सरकारी व प्राइवेट एच सी एफ के कुल संख्या (अंको मे)	सरकारी व प्राइवेट एच सी एफ के अधीन कुल वेडस/ नानवेडस की संख्या (अंको मे)		सीवीडब्ल्यूटीएफ क्षमता		
			वेडस	नानवेडस	विद्युत भस्मक सयंत्र (Kg/hr)	ऑटोक्लेव	शेडर (Kg/hr)
1	M/s Star Pollutech, Vill-Musabbarpur Road, Chandra, Maholi, Sitapur	51	469	36	100	500 Ltr/hr	50
2	M/s Synergy Waste Mangement Vill-Mohammadpur, Nawabganj, Barabanki	551	15226	300	250	75 Kg/hr	50
3	M/s Spectrum Waste Solution (P) Ltd., Vill-Mastemau, Sultanpur Road, Lucknow	411	6852	257	250	200 Kg/hr	50
4	M/s SMS Watergrace Mediwaste Management (P) Ltd. Vill-Bindowa, Tehsil.-Mohanlalganj, Disrict-Lucnow	1032	25258	579	250	175 Kg/hr	200 (each02nos)

5	M/s Medical Pollution Contrlo Committee, Bhauti, Kanpur Nagar,	380	9551	209	200	400 Kg/hr	100
6	M/s Willword Environmental Inc. Chaudharypur, Mandhana, Bithoor Road, Kanpur Nagar	512	11972	2731	100	250 Kg/hr	50
Total(T)		2931	69328	4112	1150		

सारिणी -2

उपरोक्त तथ्यों के दृष्टिगत प्रति दिन जनित जैव चिकित्सा अपशिष्ट गेप आकलन हेतु निम्नानुसार किया गया है ः

A) सीबीडब्ल्यूटीएफ के अधीन आने वाली एच सी एफ के बेडस/ नानबेडस की संख्या के आधार पर तुलनात्मक विश्लेषण ।

B) कुल बेडस/ नानबेडस की संख्या के आधार पर प्रति दिन जनित जैव चिकित्सा अपशिष्ट के सीबीडब्ल्यूटीएफ उपचार क्षगता के आधार पर विश्लेषण ।

A) सीबीडब्ल्यूटीएफ के अधीन आने वाली एच सी एफ के बेडस/ नानबेडस की संख्या के आधार पर तुलनात्मक विश्लेषण :- A CBWTF located within the respective State/UT shall be allowed to cater healthcare units situated at a radial distance of 75 KM. However, in a coverage area where 10,000 beds are available within a radial distance of 75 KM.

Adequacy of existing treatment capacity of the CBWTF in each coverage area of radius 75 KM = 69328 Beds.

Gap analysis w.r.to coverage area of the bio-medical waste generation per beds(G) = Total number of Beds All coverage CBWTF units - (number of cbwtf x each coverage 10000 beds)

Gap analysis (G) = 69328-(6nos x 10000beds) = 69328-60000 = 9328 Beds (Exceed) and also existing total 4112 Non beds units.

B) कुल बेडस/ नानबेडस की संख्या के आधार पर प्रति दिन जनित जैव चिकित्सा अपशिष्ट के सीबीडब्ल्यूटीएफ उपचार क्षमता के आधार पर विश्लेषण :-

Required to conduct gap analysis w.r.to coverage area of radius 75 KM, as given the bio-medical waste generation of the existing treatment capacity of the CBWTF :-

(Reference http://cpheeo.gov.in/upload/uploadfiles/files/chap7.pdf ; Central Public Health & Environmental Engineering Organisation (CPHEEO) Chapter 7 Pg 148)....."*The quantum of waste generated in India is estimated to be 1.5 kg per bed per day in a hospital and 600 gm per day per bed in a clinic.*"

Other Reference https://vikaspedia.in/energy/environment/waste-management/bio-medical-waste-management/bio-medical-waste-management-rules..... " The quantum of waste generated in India is estimated to be 1-2 kg per bed per day in a hospital and 600 gm per day per bed in a clinic. "

F1 = Estimated generation of total waste @ 1.5 kg/bed = 69328x 1.5 = 103992 kg/day

Estimated generation of bio-medical waste @ 25%

Of the total biomedical waste generated = 25998 kg/day

(F1) = 25998 kg/day

F2 = Non-beds estimated generation of total waste @600gm/bed = 4112 x 0.60 = 2467.20 kg/day

Estimated generation of bio-medical waste @ 25%

Of the total biomedical waste generated = 616.80 kg/day

(T2) = 616.80 kg/day

Final (F) = T1 + T2 = 25998 + 616.80 = **26214.80 Kg/day**

As per Revised Guidelines for Common Bio-medical Waste Treatment and Disposal Facilities

A CBWTF located within the respective State/UT shall be allowed to cater healthcare units situated at a radial distance of 75 KM. However, in a coverage area where 10,000 beds are available within a radial distance of 75 KM.

Each CBWTF a coverage area = 10,000 beds

Estimated generation of total waste @ 1.5 kg/bed = 10000x 1.5 = 15000 kg/day

Estimated generation of bio-medical waste @ 25%

Of the total bio-medical waste generated = 15000x0.25=3750 kg/day

Total (T1) =3750kg/day

Require Number of CBWTF = $\frac{F}{T1} = \frac{26214.80\ Kg/day}{3750\ Kg/day} = 6.99 \cong 07$ nos.require of cbwtf.

उपरोक्त तथ्यों के दृष्टिगत प्रस्तावित सी.बी.डब्लू.टी.एफ.स्थल से 75 किमी की परीधि में कुल 06 सी.बी.डब्लू.टी.एफ.सयंत्र संचालित है, जिसमे प्रत्येक सी.बी.डब्लू.टी.एफ. की उपचार क्षमता भिन्न है जो सारणी 02 में इंगित किया गया है तथा कुल 06 सी.बी.डब्लू.टी.एफ. के अधीन 69328 वैड्स व 2656 नान-वैड्स है । प्रख्यापित दिशानिर्देश में प्रत्येक सी.बी.डब्लू.टी.एफ. हेतु 10,000 वैड्स तथा 3750 किग्रा प्रति दिन जैव अपशिष्ट का उपचार किया जाना है । उक्त प्रति दिन जनित जैव चिकित्सा अपशिष्ट ग्रेप आकलन में स्वतः स्पष्ट है कि कुल वेडस/ नानवेडस की संख्या के आधार पर प्रति दिन जनित जैव चिकित्सा अपशिष्ट 01 नग सी.बी.डब्लू.टी.एफ. की प्रस्तावित स्थल (27°00'69.3"N; 80°29'51.3"E) की 75 किमी0 की त्रिज्या मे उपलब्धता की आवश्यकता है । उपरोक्त संस्तुति आख्या आपके अवलोकनार्थ सादर प्रस्तुत है ।

(अमित मिश्रा)
पर्यावरण अभियंता

(डॉ अनिल कुमार माथुर)
क्षेत्रीय अधिकारी कानपुर

(डॉ राजकरन)
क्षेत्रीय अधिकारी लखनऊ

सदस्य सचिव महोदय

MPCC	No. of HCF Bedded with Auth	Bedded With Auth.	No. of HCF Bedded without Auth	Bedded Non Auth	Non Bedded Auth	Non Bedded Without Auth
PVT	270	6384	40	542	207	93
Govt.	110	3167	8	557	2	1
Total	**380**	**9551**	**48**	**1099**	**209**	**94**

Willworld Environmental	No. of HCF Bedded with Auth	Bedded With Auth.	No. of HCF Bedded without Auth	Bedded Non Auth	Non Bedded Auth	Non Bedded Without Auth
PVT Kanpur Nagar	327	7667	89	1349	187	60
Govt. Kanpur Nagar	0	0	4	612	0	0
Total	**327**	**7667**	**93**	**1961**	**187**	**60**

Willworld Environmental	No. of HCF Bedded with Auth	Bedded With Auth.	No. of HCF Bedded without Auth	Bedded Non Auth	Non Bedded Auth	Non Bedded Without Auth
PVT Farrukhabad	176	3875	49	690	88	9
Govt. Farrukhabad	9	430	2	80	1	0
Total	**185**	**4305**	**51**	**770**	**89**	**9**

S.M.S Watergrace Mediwaste Management Pvt.Ltd, Lucknow

		Government		Private		
s.no	District Name	No of bed	No of HCF	No of bed	No of HCF	Non Badded
1-	Lucknow	2214	114	19538	717	491
2	Barabanki	-	-	812	23	19
2	Sitapur	-	-	578	22	12
4	Lakhimpur Kheri	-	-	2116	156	57
Total		**2214**	**114**	**23044**	**918**	**579**

Synergy Waste Management Pvt.Ltd, Barabanki

		Government		Private		
s.no	District Name	No of bed	No of HCF	No of bed	No of HCF	Non Badded
1-	Lucknow	5271	5	3391	95	134
2	Barabanki	1261	92	2738	174	120
2	Sitapur	1205	90	1285	90	46
4	Lakhimpur Kheri	-	-	75	10	-
Total		**7737**	**182**	**7489**	**369**	**300**

Spectrum Waste Solution Pvt.Ltd, Lucknow

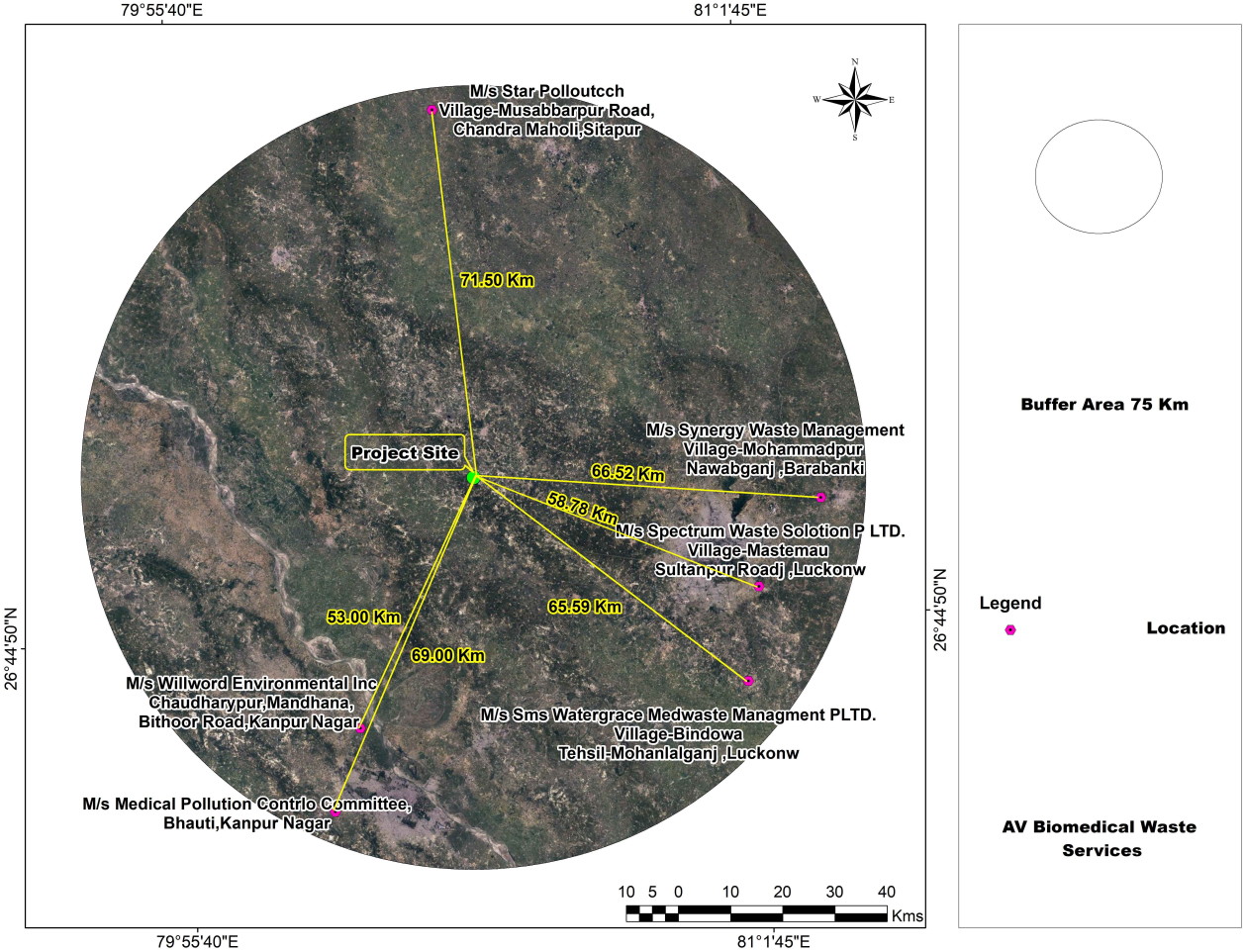
		Government		Private		
s.no	District Name	No of bed	No of HCF	No of bed	No of HCF	Non Badded
1-	Lucknow	-	-	5936	318	243
2	Barabanki	-	-	71	7	10
2	Sitapur	-	-	8	1	1
4	Lakhimpur Kheri	747	77	90	8	3
Total		**747**	**77**	**6105**	**334**	**257**

Star Pollutech, Sitapur

		Government		Private		
s.no	District Name	No of bed	No of HCF	No of bed	No of HCF	Non Badded
1-	Lucknow	-	-	-	-	-
2	Barabanki	-	-	-	-	-
2	Sitapur	-	-	167	18	20
4	Lakhimpur Kheri	-	-	302	33	16
Total		**-**	**-**	**469**	**51**	**36**

ANNEXURE 4

75 km map


79°55'40"E
81°1'45"E
26°44'50"N
M/s Star Polloutcch
Village-Musabbarpur Road,
Chandra Maholi,Sitapur
71.50 Km
Project Site
M/s Synergy Waste Management
Village-Mohammadpur
Nawabganj ,Barabanki
66.52 Km
58.78 Km
M/s Spectrum Waste Solotion P LTD.
Village-Mastemau
Sultanpur Roadj ,Luckonw
65.59 Km
53.00 Km
69.00 Km
M/s Willword Environmental Inc
Chaudharypur,Mandhana,
Bithoor Road,Kanpur Nagar
M/s Sms Watergrace Medwaste Managment PLTD.
Village-Bindowa
Tehsil-Mohanlalganj ,Luckonw
M/s Medical Pollution Contrlo Committee,
Bhauti,Kanpur Nagar
10 5 0 10 20 30 40
Kms
N
W
E
S
Buffer Area 75 Km
Legend
Location
AV Biomedical Waste
Services

ANNEXURE 5

Land Conversion Certificate

न्यायालय श्रीमान असि0 कलेक्टर/परगनाधिकारी महोदय, सण्डीला–हरदोई।

अतुल शुक्ला पुत्र राजेन्द्र प्रसाद शुक्ला नि0मो0 सुम्बाबाग महतवाना देहात कस्बा व पो0 व परगना व तहसील सण्डीला जिला हरदोई .....वादी

बनाम

सरकार .....प्रतिवादी

वाद अन्तर्गत धारा 80 उ0प्र0रा0सं0 2006
भूमि स्थित ग्राम **मलैंया** पर0 सण्डीला
तहसील सण्डीला हरदोई।
गाटा सं0 167मि रकबा 0.3000 हे0

महोदय,

वादी निम्न आधारों पर वाद प्रस्तुत करता है।

1– यह कि वादी उक्त पते का निवासी है।

2– यह कि वादी की भूमि स्थित ग्राम मलैंया पर0 व तह0 सण्डीला जिला हरदोई की खाता सं0 00008 गाटा सं0 167मि रकबा 0.3000 हे0 का संक्रमणीय भूमिधर दर्ज काश्तकार है।

3– यह कि वादी की उक्त भूमि पर लगभग 5 वर्षों से कृषि कार्य नही होता है। उसका उपयोग अकृषिक कार्य हेतु किया जा रहा है।

4– यह कि वादी की उपरोक्त भूमि पर कृषि/मत्स्य पालन/कुक्कुट पालन आदि नही हो रहा है, जिस कारण वादी की भूमि को अकृषिक घोषित किये जाने की आवश्यकता है।

5– यह कि वादी की भूमि स्थित ग्राम **मलैंया** परगना व तहसील सण्डीला जिला हरदोई की खाता सं0 00008 की गाटा सं0 167मि रकबा 0.3000 हे0 पर कृषि कार्य न होने के कारण उक्त भूमि को अकृषिक घोषित किया जाना न्यायसंगत है।

अतः श्रीमान जी से विनम्र निवेदन है कि भूमि स्थित ग्राम–**मलैंया** पर0 व तहसील सण्डीला जिला हरदोई की खाता सं0 00008 की गाटा सं0 167मि रकबा 0.3000 हे0 पर कृषि कार्य न होने के कारण अकृषिक घोषित करने की कृपा करें।

महान दया होगी।

दिनॉक–

वादी

अतुल शुक्ला पुत्र राजेन्द्र प्रसाद शुक्ला
नि0मो0 सुम्बाबाग महतवाना देहात कस्बा
व पो0 व परगना व तहसील सण्डीला जिला हरदोई।

न्यायालय श्रीमान असि0कलेक्टर/परगनाधिकारी महोदय, सण्डीला–हरदोई।

अतुल शुक्ला **बनाम** सरकार

वाद अन्तर्गत धारा 80 उ0प्र0रा0सं0 2006
भूमि स्थित ग्राम **मलैंया** पर0 सण्डीला
तहसील सण्डीला हरदोई
गाटा सं0 167मि रकबा 0.3000 हे0

शपथ – पत्र

मैं **अतुल शुक्ला** पुत्र राजेन्द्र प्रसाद शुक्ला नि0मो0 सुम्बाबाग महतवाना देहात कस्बा व पो0 व परगना व तहसील सण्डीला जिला हरदोइ का हूँ जो शपथ पूर्वक निम्न बयान करता हूँ।

1– यह कि शपथी उपरोक्त पते का निवासी है।

2– यह कि शपथी भूमि स्थित ग्राम मलैंया पर0 व तहसील सण्डीला जिला हरदोई की खाता सं0 00008 की गाटा सं0 167मि रकबा 0.3000 हे0 का संक्रमणीय भूमिधर कास्तकार है।

3– यह कि शपथी के कुल रकबे 0.3000 हे0 पर कृषि कार्य नही हो रहा है।

4– यह कि शपथी की गाटा सं0 167मि क्षेत्रफल 0.3000 हे0 पर कृषि कार्य न होने के कारण उक्त भूमि को अकृषिक कराना चाहता है।

5– यह कि शपथी के भू–खण्ड सं0 167मि रकबा 0.3000 हे0 को अकृषिक घोषित किया जाना आवश्यक है।

यह कि शपथ पत्र की धारा 1 ता 5 मेरे निजी ज्ञान में सच व सही है कुछ भी छिपाया नही है। ईश्वर मेरी मद्द करे।

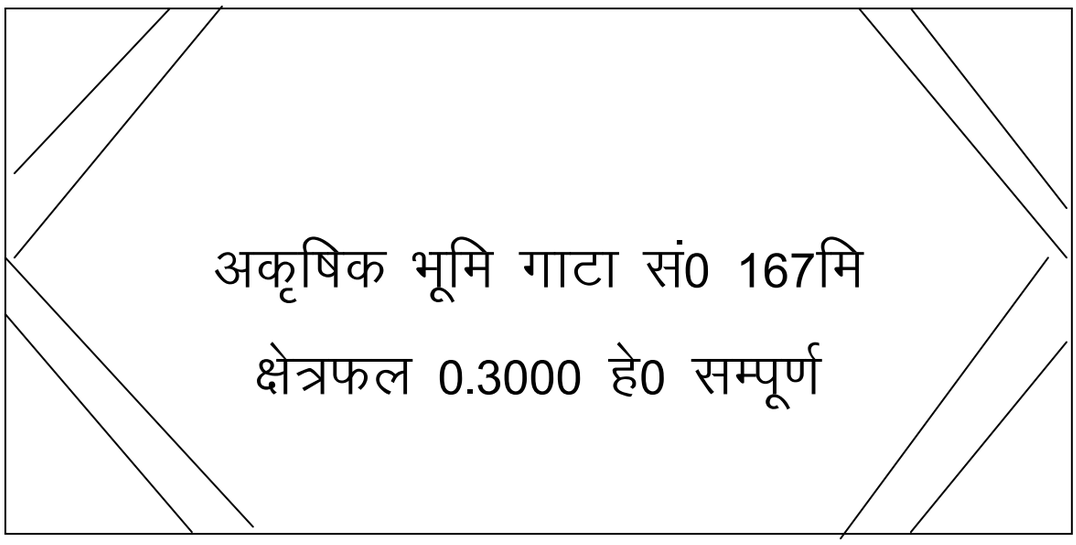
दिनॉक–

वादी

अतुल शुक्ला पुत्र राजेन्द्र प्रसाद शुक्ला
नि0मो0 सुम्बाबाग महतवाना देहात कस्बा व पो0
व परगना व तहसील सण्डीला जिला हरदोइ

नजरी नक्शा भूमि स्थित ग्राम– मलैंया
पर0 सण्डीला तह0 सण्डीला जिला हरदोई।

अतुल शुक्ला बनाम सरकार



दिनॉक–

वादी

अतुल शुक्ला पुत्र राजेन्द्र प्रसाद शुक्ला
नि0मो0 सुम्बाबाग महतवाना देहात कस्बा व पो0
व परगना व तहसील सण्डीला जिला हरदोइ

BHULEKH
Uttar Pradesh

खाता विवरण (अप्रमाणित प्रति)

ग्राम का नाम : मलैयां परगना : (सण्डीला) तहसील : सण्डीला जनपद : हरदोई फसली वर्ष : 1427-1432 भाग : 1 खाता संख्या : 00008

खातेदार का नाम / पिता पति संरक्षक का नाम / निवास स्थान	खसरा संख्या	क्षेत्रफल (हे.)	आदेश	टिप्पणी
श्रेणी : 1-क / भूमि जो संक्रमणीय भूमिधरों केअधिकार में हो।				
अतुल शुक्ला / राजेन्द्र प्रसाद शुक्ला / नि0 मो0 सुम्बाबाग महतवाना देहात पो0 व पर0 व तह0 सण्डीला	167मि 90मि.	0.3000 0.0790		
योग	2	0.3790		

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

उद्धरण क्रमांक : 14104620210428

उद्धरण खतौनी
(जन सुविधा केन्द्र / लोकवाणी केन्द्र से जारी)

Ref. no : 21155009001252

ग्राम क्रमांक : 141046 ग्राम का नाम / परगना : सण्डीला/सण्डीला तहसील : सण्डीला जनपद : हरदोई फसली वर्ष : 1427-1432 भाग : 1

खाता खतौनी क्रम संख्या	खातेदार का नाम / पिता पति संरक्षक का नाम / निवास स्थान	मौलिक अधिकार प्रारम्भ होने का वर्ष	खाते के प्रत्येक गाटे की खसरा संख्या	प्रत्येक गाटे का क्षेत्रफल (है.)	खातेदार द्वारा देय मालगुजारी या लगान	परिवर्तन सम्बन्धी आज्ञा या उसका सारांश उसकी संख्या तथा दिनांक सहित और आज्ञा देने वाले अधिकारी का पद	टिप्पणी
1	2	3	4	5	6	7/12	13
श्रेणी : 1-क भूमि जो संक्रमणीय भूमिधरों के अधिकार में हो।							
00003	अतुल शुक्ला / राजेन्द्र प्रसाद शुक्ला / नि0 मो0 सुम्बाबाग महतवाना देहात पो0 व प0 व तह0 सण्डीला	1424स0 1424स0	1625मि 90मि	0.3000 0.0790			
			2	0.3790	18.00	0	0

कुल गाटे- दो कुल क्षेत्रफल- शून्य दशमलव तीन सात नौ शून्य (हेक्टेयर) कुल भू-राजस्व - एक आठ दशमलव शून्य शून्य रुपये

Data Digitally Signed by:Suresh Chandra Pandey

उपरोक्त उद्धरण खतौनी का वेरीफिकेशन http://upbhulekh.gov.in Website पर प्राप्त किया जा सकता है।

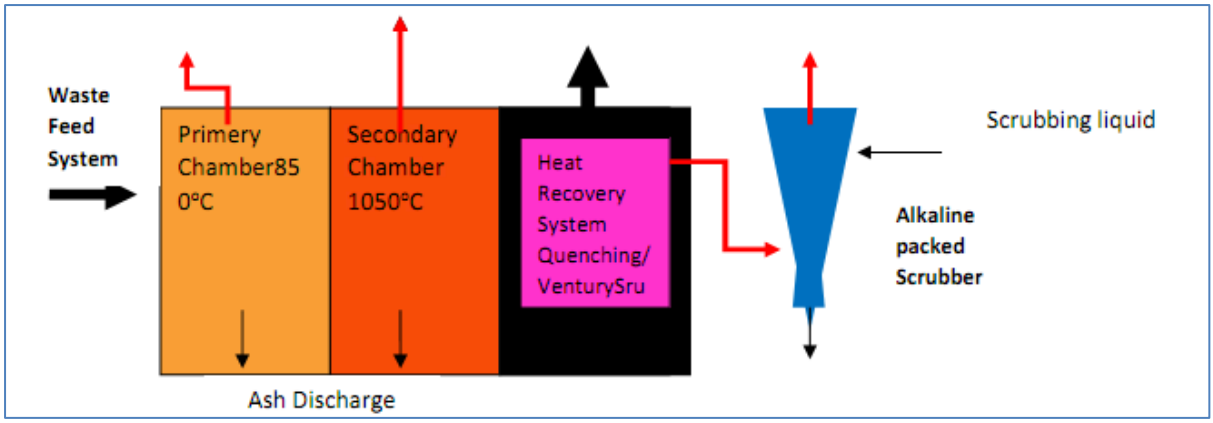
प्रभार अधिकारी:
तहसील: सण्डीला **जनपद:** हरदोई
दिनांक एवं समय: Fri Apr 09 15:30:26 IST 2021
यह उद्धरण खतौनी इलेक्ट्रॉनिक डिलीवरी सिस्टम द्वारा तैयार की गयी है तथा डाटा डिजिटल हस्ताक्षर द्वारा हस्ताक्षरित है।

आवेदक सी.एस.सी / लोकवाणी केन्द्र
नाम: डफल जन सेवा केंद्र नित प्रकाश शुक्ला
केन्द्र संचालक
पता: 264 Sumbabag Mahatwana Sandila Kasba Sandila Tehsil Sandila Distt Hardoi सण्डीला,महतवाना,हरदोई,उत्तर प्रदेश

-04-21

ANNEXURE 6

Incinerator Photographs



Diagrammatic view of Incinerator

ANNEXURE 7

SOP for Waste Collection

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 dis-infection. 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 8

Incinerator Details

GST : 09ABUFA6591R15 PAN - ABUFA6591R

AV BIOMEDICAL WASTE SERVICES

Head Office : Vardan Khand, Gomti Nagar Extension, Lucknow, Uttar Pradesh

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

Ref No.

Date : .....

Incinerator Details

AV Bio Medical Waste Services

located at Khasra No.167 Mi Village- Maleya, Tehsil- Sandila, District-Hardoi, Uttar Pradesh

Incinerator Capacity	250 Kg Per Hour
Loading of material	Bio Medical waste through feeding system
Duty of operation	Current operation 2 hours, Max.=22 hours
Fuel for Combustion	Diesel
Combustion units	Diesel Fired Burner
Fuel consumption	64 Litters Per Hour
Electric load	66.7 KVA
Space requirement	3,096 square feet
Incinerator Model	SKITRW-250 Kg Hour
Calorific Value of waste	Approx. 1500 kilocalories per kilogram
Temperature of primary chamber	850°C ± 50°
Temperature of secondary chamber	1050°C ± 50°
Residence time of secondary chamber	More Than Two Second
Particulate Emission at the outlet	SPM, Co2, O2, Nox, HCL
Primary Chamber	
Type	Rotary Kiln Chamber
Combustion System	Through FD Fan (Forced Draft fan)
Material Specifications	Mild Steel with 12 mm Thickness
Volume	4.10 m3
Lining Thickness	Lining Thickness 330 MM
Lining Material	Fire bricks & Insulation Bricks
Secondary Chamber	
Combustion System	Through FD Fan (Forced Draft fan)
Material Specifications	Mild Steel with 12 mm Thickness
Volume	7.42 m3
Lining Thickness	Fire bricks & Insulation Bricks

For – AV Biomedical Waste Services

Partner

स्वच्छ भारत
एक कदम स्वच्छता की ओर

PLant Address

1. Village Maleya Tehsil Sandila, District - Hardoi, Uttar Pradesh
2. Village Rajdhani, Post Nautanwa, District Maharajganj, U.P.
3. Plot No. A-2/36 Sector 15 at Gorakhpur Industrial Development Authority (GIDA), Gorakhpur

ANNEXURE 9

Training sheet

GST : 09ABUFA6591R15 PAN - ABUFA6591R

AV BIOMEDICAL WASTE SERVICES

Head Office : Vardan Khand, Gomti Nagar Extension, Lucknow, Uttar Pradesh

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

Ref No. Date : .....

Training Calendar for CBWTF Workers

1. General Information

- **Organization Name**: AV Biomedical Waste Services
- **Location**: Village-Maleya, Tehsil -Sandila, Hardoi
- **Prepared By**: Mahesh Kumar Dubey
- **Approval Date**: 19/01/2024

2. Training Schedule

Month	Training Topic	Target Participants	Duration	Trainer/Facilitator	Mode (On-site/Online)	Remarks
January	Biomedical Waste Management Rules	Waste Handlers, Supervisors	1 day	Sushil Kumar	On-site	Compliance to BMW Rules 2016
February	Handling and Segregation of Waste	Operators, Housekeeping	1 day	Sushil Kumar	On-site	Focus on color-coded bins
March	Emergency Preparedness (e.g., spills, fire)	All Workers	2 days	Sushil Kumar	On-site	Mock drills included
April	Use of Personal Protective Equipment (PPE)	Workers, Supervisors	Half-day	Sushil Kumar	On-site	Practical demonstration
May	Safety Measures for Hazardous Waste	Supervisors, Handlers	1 day	Sushil Kumar	Online	Use of MSDS emphasized

For – AV Biomedical Waste Services

Partner

स्वच्छ भारत
एक कदम स्वच्छता की ओर

PLant Address

1. Village Maleya Tehsil Sandila, District - Hardoi, Uttar Pradesh
2. Village Rajdhani, Post Nautanwa, District Maharajganj, U.P.
3. Plot No. A-2/36 Sector 15 at Gorakhpur Industrial Development Authority (GIDA), Gorakhpur

Ref No. Date : .....

3. Key Training Objectives

1. Ensure workers are aware of the **Biomedical Waste Management Rules, 2016** and amendments.
2. Improve skills in **waste segregation**, **handling**, and **transportation** to prevent accidents.
3. Reinforce **personal and workplace safety** through the correct use of PPE and emergency protocols.
4. Foster a culture of **continuous improvement** and **compliance** with environmental and safety standards.

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4. Evaluation and Feedback Mechanism

- **Pre-Training Assessment**: Knowledge/skill level before the session.
- **Post-Training Assessment**: Effectiveness of the training.
- **Feedback Collection**: Worker feedback to improve future sessions.

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5. Annual Training Review

- Maintain a summary of the training conducted, attendance, and outcomes.
- Identify gaps for next year's training calendar.

For – AV Biomedical Waste Services

Partner

स्वच्छ भारत
एक कदम स्वच्छता की ओर

ANNEXURE 10

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:- 21597061 and Date:-21/07/2023

2. M/s MS AV BIOMEDICAL WASTE SERVICES, VINAY KUMAR RAI an occupier or operator of the facility located at Khasra No. 167Mi and 90Mi, Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh. ,HARDOI,241204 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 (1500 kg/hr) and Chemical Disinfection Tank capacity-1500 Lt

(iv) Area or distance covered by CBMWTF: As per CPCB Guideline

(v) Quantity of Biomedical waste handled, treated or disposed: 4000 Kg/day

4. This authorisation shall be in force for a period of Years from the date of issue.

4.1 The authorization shall be valid for till 11/07/2028

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

Dr. Ram Karan
Chief Environmental Officer, Circle-5

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. The authorization shall comply with provisions of Environment (Protection) Act, 1986 and the rules made there under.

2. The authorization or its renewal shall be produced for inspection at the request of an officer, authorized by the prescribed authority.

3. The authorization person shall not rent, lend, transfer or otherwise transport the bio-medical waste without obtaining prior permission of the prescribed authority.

4. 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.

5. Bio-medical waste shall not be mixed with other waste.

6. Bio-medical waste shall be segregated into containers/bags at the point of generation in accordance with schedule-I. Prior to its storage. The containers shall be labeled as per provisions.

7. No untreated bio-medical waste shall be kept stored beyond a period of 48 hours for in compliance of rule8 of Bio-medical Waste Rules-2016.

8. You shall submit an annual report to the U.P. Pollution Control Board in from-IV by 30th June every year for a period from January to December and include information about the categories and quantities of biomedical waste during the preceding year.

9. You shall maintain record related to the generation and segregation of handling of bio-medical waste in accordance with rule and guideline, all records shall be subject to inspection and verification by the Board at any time.

10. 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 Rules2016.

11. You are herby 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.

12. The bio-medical waste shall not be disposed in open place in the premises.
13. Strict compliance of Rule 18 and all other provisions of BMW Rules-2016 must be ensured.

14. The CBMWTF shall submit the incinerator stack monitoring report analyzed by NABL accredited laboratory, giving all parameters as prescribed in BMW Rules-2016, within one month.

15. This BMW authorization is subject to order passed by Hon’ble High Court, Allahabad, Lucknow Bench Writ-C No. of 2023 M/s Spectrum Waste Management Pvt. Ltd. V/s Union of India & others.

Memo No.: 21597061 Dated:21/07/2023

Copy To:
Regional Officer, UPPCB, Unnao.

Dr. Ram Karan
Chief Environmental Officer, Circle-5

मिशन LiFE - पर्यावरण के लिए जीवन शैली

(Lifestyle For Environment)

<u>जनसहभागिता का सन्देश</u>

- 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-रीसाइक्लिंग 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 प्थाक्कीकरण 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 11

Greenbelt Photographs

ANNEXURE 12

Dual Pipeline

ANNEXURE 13

MoU with TSDF

Sustainability

Date: 15th September 2023

To,
M/s. AV Bio Medical Waste Services
Khasra No.-167Mi and 90Mi, Village- Maleya,
Tehsil- Sandila, Hardoi, Uttar Pradesh, 241204

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

Dear Sir/Ma'am,
We thank you for the completion of all the formalities and further welcome you as **PERMANENT MEMBER** of Uttar Pradesh Waste Management Project (A division of Re Sustainability Ltd.) for utilizing our Common Hazardous Waste Treatment, Storage Disposal Facility [CHW-TSDF], to dispose your Hazardous Waste safely & securely.

Your Membership No. is **UPWMP-KNP-HzW–CHW-TSDF –2365.**

We seek your co-operation & assistance to help us meet our common objectives of keeping our Environment Safe and Secure.
We once again thank and assure you of our best services and look forward to an environment-friendly relationship.
Please do contact us for any further information and clarification.

Thanking you.
Yours truly,

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

Re Sustainability 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 14

Ground Water NoC

उत्तर प्रदेश शासन,
नमामि गंगे तथा ग्रामीण जलापूर्ति अनुभाग–3
संख्या–330 / 76–3–2021–44एनजी / 2020
लखनऊः 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
लखनऊः 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 15

Power Certificate

Office of the Executive Engineer

Electricity Distribution Division-Sandila

Madhyanchal Vidut Vitaran Nigam Ltd.

Sandila, Disst -*Hardoi(U.P.)*

No.523...../EDD-(Sandila)/T.C. Dated :-27/04/23

Subject:-Terms & Condition for 75 KVA (68 KW) (LMV-6) New Connection.

Mr. Ajit Pratap Singh S/o CL Singh,
Village Mallaiya Tahsil Sandila,
Dist. Hardoi,
Application No-1010007097
Mo. No. 6307965259

In reference to the report Load Sanction vide OM No nil /EDD-Sandila/ Date nil for Load 75 KVA (68 KW) (LMV-6 Industrial) on new connection in name **Mr. Ajit Pratap Singh S/o CL Singh, Village Mallaiya Tahsil Sandila Hardoi,** kindly arrange to deposit the amount as per following details so that required work to release the connection may be carried out as early as possible.

S.No.	Particulars		Amount (Rs.)
1	लाइन चार्जेज	Rs.	733505.00
2	फिक्स चार्जेज (मीटर स्थापना हेतु)	Rs.	6900.00
3	जी0एस0टी0 18 प्रति0	Rs.	133273.00
4	जमानत प्रतिभूति	Rs.	91125.00
	Total		964803.00

1.Above payment should be made on the portal of UPPCL Site. (www.uppcl.org)
2.You are further requested to submit NOC to be obtainable from the office of Director Electrical safety, Vibhuti Khand Gomati Nagar Lucknow Zone / Unnao Zone.
3.Submit B&L from to be obtainable from A class L.E.C authorized by Director Electrical Safety, Gomati Nagar Lucknow/Unnao.
4.Connection charge may be deposited at EE office/SDO office after completion of line and satisfaction of supervisory officer.
5. Rs.100.00 revenue stamp on any working day between 10:30 hrs to 16:30 hrs. Along with two witness must be submitted.
6.Meter room of size 10x10x10ft. With independent gate entry from outside of premises is to be constructed by you wherever applicable which must be facilitated by light & fan etc.
7.It shall be consumer responsibility to obtain Row/way leave premises. The actual amount for the same has to deposited by consumer.
8.Material to be procured as per specification certified by Nigam/Department and must be inspected by authorized material to be procured as per specification certified by corporation/MVVNL and must be inspected by Authorized office of MVVNL. The Validity of the above T.C. is for a maximum period of three months (90 Days) only within a financial year. In case of any revision of stock issue rates/cost data book, action shall be taken as per rules of Nigam /Corporation/MVVNL.

EXECUTIVE ENGINEER

No...../EDD-(Sandila)/T.C.....Dated :-.....
Copy Forwarded to Following for information and necessary action :-

1. SDO, Electricity Distribution Sub-Division-Sandila.
2. JE 33/11 kv Substation, ~~UPSIDC~~ Sandila.

EXECUTIVE ENGINEER

कार्यालय, अधिशासी अभियन्ता
विद्युत वितरण खण्ड–सण्डीला
मध्यांचल विद्युत वितरण निगम लि0,
हरदाई–लखनऊ मुख्य मार्ग, सण्डीला, जिला हरदोई (उ0प्र0)

पत्रांक :– /वि0वि0ख0(सण्डीला)/भार स्वीकृत/2022–23 दिनांक :

कार्यालय ज्ञाप

एतद्द्वारा प्रबन्ध निदेशक उ0प्र0 पावर कारपोरेशन लि0 के कार्यालय ज्ञाप संख्या –4659/कार्य चौदह/पा0का0लि0/2015–16 के0/2015/निदेशक (वितरण) दिनांक 25.06.2015 एवं संशोधित कार्यालय ज्ञाप संख्या 696 कार्य चौदह /पा0का0लि0/2015–16 के0/2015 /निदेशक (वितरण) दिनांक 29.06.2015 में निहित आदेशों के अनुपालन में निम्नलिखित ईकाई/पाट्री के पक्ष में अधोलिखित शर्तो एवं प्रतिबन्धों के अधीन नया भार स्वीकृत किया जाता है :–

क0 स0	इकाई/पार्टी का नाम	भार स्वीकृत	श्रेणी / विधा	प्रयोजन	कार्य स्थल/संयोजन स्थल
1.	**Mr. Ajit Pratap Singh S/o CL Singh, Application No- 1010007097**	**75 KVA (68 KW)**	**LMV-6**	**Industrial**	**Village Mallaiya Sandila Hardoi. Mo. No. . 6307965259**

उपरोक्त विद्युत भार विद्युत आपूर्ति संहिता 2015 (यथासंशोधित) में निहित निम्न लिखित प्राविधानों एवं नियमों का अनुपालन सुनिश्चित करने के उपरान्त ही अवमुक्त किया जायेगा :–

1.उपरोक्त विद्युत भार 75 के0वी0ए0 (68 कि0वा0) एवं एकल विन्दु (LMV-6) मीटरिंग पर अवमुक्त किया जायेगा। 2.विरल श्रेंणी की औद्योगिक इकाईयों द्वारा पीक आवर्स में विद्युत भार का उपभोग पूर्णतया प्रत्येक दशा में प्रतिबन्धित होगा और इसका उल्लंघन करने पर इकाई का विद्युत संयोजन नियमानुसार विच्छेदित कर दिया जायेगा। 3. प्रभावित 400/200/132 के0वी0 उप–संस्थानों पर स्थापित परिवर्तकों की निर्धारित अधिकतम लोडिंग सीमा से अतिभारित होने की दशा में इकाई की विद्युत आपूर्ति में कटौती की जा सकती है। 4. विद्युत प्रणाली की ओवर लोडिंग के कारण आपूर्ति विभव मानक के कम/अधिक हो सकती है। 5. स्वीकृति आदेश के निर्गत होने से दो वर्ष की अवधि में उपभोक्ता द्वारा उक्त वर्णित भार उपयोग न करने की दशा में अथवा नियम व शर्ते निर्गत किये जाने की तिथि से छः माह के अन्दर वांछित धनराशि जमा न किये जाने की दशा में जो भी तिथि पहले हो से यह स्वीकृति स्वतः निरस्त समझी जायेगी।

6. उक्त संयोजन की विद्युत आपूर्ति कारपोरेशन के नियमों के अन्तर्गत की जायेगी परन्तु प्रतिकूल परिस्थितियों में विद्युत प्रणाली की सुरक्षा हेतु समय–समय पर आवश्यक्तानुसार रोस्टरिंग तथा आपातकालीन रोस्टरिंग की जा सकती है। 7. विधुत आपूर्ति कारपोरेशन में लागू रेट शेड्यूल में निहित वोल्टेज पर ही दी जायेगी। 8. उक्त विद्युत भार किसी भी दशा में कारपोरेशन की किसी ट्रंक लाइन को टेप करके अवमुक्त नही किया जायेगा। 9. किसी भी दशा में शहरी पोषक को नगर पालिका/नगर महापालिका/टाउन ऐरिया की सीमा से बाहर बढकर विधुत भार अवमुक्त नही किया जायेगा। 10. यदि कालम छः में उल्लेखित परिसर/इकाई पर अथवा उपभोक्ता के नाम से पहले से कोई कनेक्सन रहा हो तो उक्त भार तक अवमुक्त नही किया जायेगा जब तक कि पुराने कनेक्शन अथवा उपभोक्ता के विरूद्ध बकाया कारपोरेशन की धनराशि (यदि कोई हो) का पूरा भुगतान न कर दिया जाये। 11. यदि उक्त इकाई/उपभोक्ता और कारपोरेशन के मध्य कोई न्यायिक विवाद अथवा कोर्ट केस लम्बित् हो तो इस दशा में भी विद्युत भार अवमुक्त नही किया जायेगा। 12. कारपोरेशन द्वारा निर्धारित सभी औपचारिक्तायें पूर्ण करने के पश्चात ही स्वीकृत विधुत भार अवमुक्त किया जायेगा। 13. उपभोक्ता को मीटरिंग व्यवस्था हेतु डवल पोल अथवा परिवर्तक पिल्थ के निकट स्वतंत्र मीटर रूम का निर्माण कराना होगा मुख्य मार्ग से मीटर रूम तक स्वतंत्र प्रवेश की व्यवस्था करनी होगी। 14. कार्य पूर्ण होने के उपरान्त सहायक निदेशक (विद्युत सुरक्षा) उ0प्र0 शासन लखनऊ जोन/उन्नाव जोन से विधुत सुरक्षा सम्बन्धी अनापत्ति प्रमाण पत्र मिलने के उपरान्त ही आप द्वारा विकसित प्रणाली तंत्र को विभागीय नेटवर्क से जोडा जायेगा। 15. उपभोक्ता के विद्युत उपभोग की मानिटरिंग हेतु डवल मीटरिंग की व्यवस्था की जायेगी। 16. अग्नि शमन विभाग से प्रमाण पत्र प्राप्त करने पर ही संयोजन अवमुक्त किया जायेगा। 17. यदि भविष्य में नगर पालिका/उ0प्र0 आवास विकास परिषद/नगर निगम अथवा अन्य तत्सम्बन्धित सक्षम विभाग द्वारा किसी भी विभाग द्वारा कोई आपत्ति की जाती है तो उस स्थित में पूर्ण उत्तरदायित्व उपभोक्ता का होगा। ऐसी स्थिति में स्वीकृत भार/संयोजन निरस्त कर दिया जायेगा।

कार्यालय सहायक निदेशक विद्युत सुरक्षा उ0प्र0 शासन उन्नाव जोन / लखनऊ जोन से अधिष्ठापन को ऊर्जीकृत करने हेतु भारतीय विद्युत नियमावली के नियमों के अन्तर्गत संतोष जनक प्रमाण पत्र प्राप्त करना अनिवार्य है।

विपरीत प्रणाली दशाओं/आपातकालीन रोस्टरिंग अथवा विधुत कटौती की स्थिति में आवश्यक विधुत आवश्यक्ता / माँग बनाये रखने के लिए उपभोक्ता को परामर्श दिया जाता है कि उपयुक्त क्षमता का/के जनरेटरिंग सेट लगालें जिसके लिए वह कारपोरेशन की पूर्व अनुमति अलग से प्राप्त कर सकते हैं।

अधिशासी अभियन्ता

पत्रांक :– ५२१ /वि0वि0ख0(सण्डीला)/ भार स्वीकृत /2022–23 तद्दिनांक : २५/१/२३

प्रतिलिपि निम्नलिखित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित :–

1. उपखण्ड अधिकारी विधुत वितरण उपखण्ड सण्डीला।
2. तकनीकी अवर अभियन्ता, विधुत वितरण खण्ड सण्डीला।
3. सम्बन्धित आवेदक/उपभोक्ता।

अधिशासी अभियन्ता

ANNEXURE 16

CEMS Photographs


CEMS
Continuous Emission Monitoring System
SOX And SPM
NOX
CO / CO2 / O2
E&E
SOLUTIONS Pvt. Ltd
Engineering and Environmental Solutions Pvt. Ltd.
CP-TECH


CEMS
Continuous Emission Monitoring System
SOX And SPM
On/Off
NOX
On/Off
CO / CO2 / O2
On/Off
E&E
SOLUTIONS Pvt Ltd


HOPP BOND

ANNEXURE 17

Dioxin & Furan Report

SILKON BIOTECH PRIVATE LIMITED

Environmental Testing (NABL Accredited Lab) & Biomedical Waste Treatment

S.B.P.L

CIN NO : U74999UP2017PTC091011 | GSTIN : 09AAYCS2616M1ZJ
HO : Silkon House, Lane No 3, Maa Laxmi Nagar, Kanchanpur, BLW, Varanasi - 221005
Tel : +91-5427963773 , 08046057462 | EMail : silkonbiotech@gmail.com, Web : biotech.silkonhouse.in

Revision No.00

TEST REPORT

Format No. SBPL/QSF/11-01/00

NAME & ADDRESS OF CUSTOMER
Issued to. - AV Biomedical Waste Services
Khasra No. 167Mi and 90Mi, Village- Maleya,
Tehsil- Sandila, Hardoi, Uttar Pradesh

ULR No. TC149122400004099F
Job Order No. SBPL/SE/1002160
Report Issue Date. 25/11/2024

Type of Sample	:	Stack Emission	Type of Stack	:	Circular
Date of Sampling	:	20/11/2024	Air Pollution Control Device	:	Wet Scrubber
Test Start Date	:	20/11/2024	Stack Height from ground level (meter)	:	30
Test End Date	:	25/11/2024	Stack Dia (Centimeter)	:	40
Sampling Condition	:	Isokinetic	Port Hole Dia (Inch)	:	4
Sampling Done by	:	Lab Representative	Flue Gas Temperature ^0C	:	168
Stack Attached to	:	Rotary Incinerator	Velocity of Flue Gases m/sec	:	23.40
Type of Fuel Used	:	Diesel	Fuel Consumption	:	50 lit/hr

Test Result of Dioxin & Furans

S. No.	Congeners	UoM	TEQ
1	1234678-HpCDD	Ng/Nm^3, TEQ	0.001
2	1234678-HpCDF		0.001
3	1234789 HpCDF		0.000
4	123478-HxCDD		0.002
5	123478-HACDF		0.002
6	123678-HxCDD		0.038
7	123678-HxCDF		0.001
8	123789-HxCDD		0.019
9	123789-HxCDF		0.015
10	12378-PeCDD		0.087
11	12378-PeCDF		0.002
12	234678-HxCDF		0.008
13	23478-PeCDF		0.032
14	2378-TCDD		0.014
15	23478-TCDF		0.000
16	OCDD		0.000
17	OCDF		0.000
		Total ng TEQ	0.224
		Vstd (Nm^3)	4.885
		ng TEQ/Nm^3	0.0459
		% of O2 in Flue Gas	11.5
		Total Furans & Dioxins (ng TEQ/Nm3 at 11% 02 Correction)	0.0483
		Limits as per As per Schedule II of the Bio-medical Waste Management Rules, 2016. ng TEQ/Nm3 at 11 % 02 Correction	**<0.1**

Method of Testing: As per USEPA 1613

Checked By

Authorized Signatory
Uttam
Uttam
(Assistant Q. M.)

SILKON BIOTECH PVT. LTD. Varanasi

*****END OF REPORT*****

Note:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. The Result Tested as per Requirement of Customer.
3. This Report cannot be used as evidence in the court of law and cannot be used in part or full in any media without prior permission.
4. Sample will be disposed after 15 days from date of Issue of Test Report.

TC-14912

ANNEXURE 18

Periodical Monitoring Data

ETS-LAB

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

ISO 45001

TEST REPORT

TEST REPORT NO.: ETS/2651/09/2024 DATE OF REPORT: 21.09.2024

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : MS AV BIOMEDICAL WASTESERVICES
VILLAGE- MALEYA, TEHSIL SANDILA,
DISTRICT HARDOI, UTTAR PRADESH

Date of Sampling : 16.09.2024
Analysis Start Date : 18.09.2024
Analysis End Date : 21.09.2024
Sample ID No : 2651
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	...	7.30	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	174.0	200	600	APHA 2340-C
5	Total Alkalinity,(CaCO3)	mg/L	166.2	200	600	APHA 2320-B
6	Total Dissolved Solids,(TDS)	mg/L	409.2	500	2000	APHA 2540-C
7	Chloride,(Cl)	mg/L	35.3	250	1000	APHA 4500:(Cl-)-B
8	Calcium,(Ca)	mg/L	38.6	75	200	APHA 3500:(Ca)-B
9	Fluoride,(F)	mg/L	0.15	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	24.5	200	400	APHA 4500:(SO_4)-E
12	Magnesium,(Mg)	mg/L	18.6	30	100	APHA 3500:(Mg)-B
13	Conductivity	µs/cm	601.0	Not Specified	Not Specified	APHA 2510-B

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES
MD HUMRAJ
Quality Manager
AUTHORIZED SIGNATORY

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.

ETS-LAB

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

ISO 45001

TEST REPORT

TEST REPORT NO.: ETS/2651/09/2024 DATE OF REPORT: 21.09.2024

WATER SAMPLE ANALYSIS REPORT

S. No.	Test Parameter	Unit	Result	Specification/Limit (As per IS:10500: 2012)		Test Method
				Desirable	Permissible	
14	Total Kjeidahl 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	0.20	1.0	No Relaxation	APHA-3120B
23	Sodium,(Na)	mg/L	65.3	Not Specified	Not Specified	APHA-3120B
24	Phosphate	mg/L	<0.05	Not Specified	Not Specified	APHA 4500:(P)-D

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

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
Quality Manager

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.

ETS-LAB

ENVIRO-TECH SERVICES

An Analytical Laboratory

(A GOVERNMENT APPROVED LAB)

ISO 45001

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/2652/09/2024 DATE OF REPORT: 21.09.2024

WATER SAMPLE ANALYSIS REPORT

Name And Address of Customer : MS AV BIOMEDICAL WASTESERVICES
VILLAGE- MALEYA, TEHSIL SANDILA,
DISTRICT HARDOI, UTTAR PRADESH

Date of Sampling : 16.09.2024
Analysis Start Date : 18.09.2024
Analysis End Date : 21.09.2024
Sample ID No : 2652
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	...	7.47	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	345.3	200	600	APHA 2340-C
5	Total Alkalinity,(CaCO3)	mg/L	438.8	200	600	APHA 2320-B
6	Total Dissolved Solids,(TDS)	mg/L	859.3	500	2000	APHA 2540-C
7	Chloride,(Cl)	mg/L	85.9	250	1000	APHA 4500:(Cl-)-B
8	Fluoride,(F)	mg/L	0.33	1	1.5	APHA 4500:(F-)-D
9	Nitrate,(NO_3)	mg/L	2.45	45	No Relaxation	APHA 4500:(NO_3-)-B
10	Sulphate,(SO_4)	mg/L	65.2	200	400	APHA 4500:(SO_4)-E
11	Conductivity	µs/cm	1263.0	Not Specified	Not Specified	APHA 2510-B

ENVIRO-TECH SERVICES ETS-LAB

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
MD HUMRAJ
Quality Manager

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ETS-LAB

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

ISO 45001

TEST REPORT

TEST REPORT NO.: ETS/2652/09/2024 DATE OF REPORT: 21.09.2024

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	0.45	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	0.39	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($BOD_{3d}27^0C$)	mg/L	11.1	Not Specified	Not Specified	IS: 3025 (Part-44)
23	Chemical Oxygen Demand,(COD)	mg/L	56.4	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 ETS-LAB

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Quality Manager

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ISO 45001

TEST REPORT

TEST REPORT NO.: ETS/2653/09/2024 DATE OF REPORT: 21.09.2024

SOIL ANALYSIS REPORT

Name And Address of Customer : MS AV BIOMEDICAL WASTESERVICES
VILLAGE- MALEYA, TEHSIL SANDILA,
DISTRICT HARDOI, UTTAR PRADESH

Date of Sampling : 16.09.2024
Analysis Start Date : 18.09.2024
Analysis End Date : 21.09.2024
Sample ID No : 2653
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	...	7.63	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	14.3	USEPA-3050A
5	Manganese,(Mn)	mg/kg	6.7	USEPA-3050A
6	Mercury,(Hg)	mg/kg	<0.01	USEPA-3050A
7	Nickel,(Ni)	mg/kg	16.8	USEPA-3050A
8	Total Chromium,(Cr)	mg/kg	12.4	USEPA-3050A
9	Electrical Conductivity (EC)	µs/cm	54.4	IS 14767
10	Total Organic Carbon,(TOC)	%	15.3	BS 1377 -3
11	Sodium,(Na)	mg/kg	17.5	USEPA-3050A
12	Potassium (K)	mg/kg	26.7	USEPA-3050A
13	Total Nitrogen (N)	mg/kg	24.7	APHA 4500:(Norg-)-B
14	Organic Matter,(OM)	%	<0.01	IS 2720 (Part-22)

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

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
MR. PUNEET
Quality Manager

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ISO 45001

TEST REPORT

TEST REPORT NO.: ETS/2654/09/2024 DATE OF REPORT: 21.09.2024

AMBIENT AIR QUALITY MONITORING AND ANALYSIS REPORT

Name And Address of Customer	:	MS AV BIOMEDICAL WASTESERVICES VILLAGE- MALEYA, TEHSIL SANDILA, DISTRICT HARDOI, UTTAR PRADESH
Date of Monitoring	:	16.09.2024
Analysis Start Date	:	18.09.2024
Analysis End Date	:	21.09.2024
Duration Of Monitoring	:	16.09.2024 To 17.09.2024
Time Of Monitoring	:	10.35 AM To 10.35 AM (24 Hrs.)
Sample ID No	:	2654
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:** 30.0 ^{0}C
Wind Direction	:	E To W
Equipment Used	:	Respirable Dust Sampler (PM_{10}) + 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	84.6	For 24 Hrs.=100	IS 5182 (Part-23)
2	Particulate Matters,($PM_{2.5}$)	µg/m^3	24.8	For 24 Hrs.=60	IS 5182 (Part-24)
3	Sulphur Dioxide, (SO_2)	µg/m^3	15.7	For 24 Hrs.=80	IS: 5182 (Part-2)
4	Nitrogen Dioxide,(NO_2)	µg/m^3	33.2	For 24 Hrs.=80	IS: 5182 (Part-6)
5	Carbon Monoxide,(CO)	mg/m^3	0.52	For 1 Hrs.=4	IS 5182 (Part-10)

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

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES

AUTHORIZED SIGNATORY
MD HUMRAJ
Quality Manager

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ETS-LAB
ISO 45001

TEST REPORT

TEST REPORT NO.:- ETS/2655/09/2024 DATE OF REPORT: 21.09.2024

AMBIENT NOISE MONITORING REPORT

Name And Address of Customer : MS AV BIOMEDICAL WASTESERVICES
VILLAGE- MALEYA, TEHSIL SANDILA,
DISTRICT HARDOI, UTTAR PRADESH

Date of Monitoring : 16.09.2024
Monitoring Start Date : 16.09.2024
Monitoring End Date : 17.09.2024
Duration Of Monitoring : 24 HOURS
Sample ID No : 2655
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)	45.5	75	IS: 9989
2	Night Time Noise Level	Leq :dB (A)	37.7	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*****

ENVIRO-TECH SERVICES ETS-LAB

CHECKED BY
SHRADDHA GUPTA

For ENVIRO-TECH SERVICES
AUTHORIZED SIGNATORY
MD HUMRAJ
Quality Manager

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ANNEXURE 19

Ventury Photographs


Shrind

ANNEXURE 20

ETP Report

SILKON BIOTECH PRIVATE LIMITED

Environmental Testing (NABL Accredited Lab) & Biomedical Waste Treatment

CIN NO : U74999UP2017PTC091011 | GSTIN : 09AAYCS2616M1ZJ

HO : Silkon House, Lane No 3, Maa Laxmi Nagar, Kanchanpur, BLW, Varanasi - 221005

Tel : +91-5427963773 , 08046057462 | EMail : silkonbiotech@gmail.com, Web : biotech.silkonhouse.in

Revision No.00

TEST REPORT

Format No. SBPL/QSF/11-01/00

NAME & ADDRESS OF CUSTOMER

Issued to. - AV Biomedical Waste Services
Khasra No. 167Mi and 90Mi, Village- Maleya,
Tehsil- Sandila, Hardoi, Uttar Pradesh

ULR No. TC149122400004100F
Job Order No. SBPL/WW/1002161
Report Issue Date. 25/11/2024

Waste Water Sample Analysis Report

Type of Sample	:	Waste Water
Date of Sampling	:	20/11/2024
Test Start Date	:	21/11/2024
Test End Date	:	25/11/2024
Sampling Done By	:	Lab Representative (Mr. Amit Kumar Pandey)
Sample Code	:	WW- 1217
Sample Quantity	:	3 Lit.
Packing Condition	:	Packed
Sampling Location	:	ETP Plant (Outlet)

Test Result

S. No.	Parameter	Unit	Result	Permissible Limits	Test Method
1.	pH	-	7.82	6.5-9.0	IS:3025 (Part-11)
2.	Total Suspended Solid (TSS)	mg/l	71.8	100.0	IS:3025 (Part-17)
3.	Oil & Grease (O & G)	mg/l	3.4	10.0	IS:3025 (Part-39)
4.	Biological Oxygen Demand (BOD, at 27 °C for 3 days)	mg/l	24.0	30.0	IS:3025 (Part-44)
5.	Chemical Oxygen Demand (COD)	mg/l	152.0	250.0	IS:3025 (Part-58)

Checked By

Authorized Signatory
Uttam
Uttam
(Assistant Q. M.)

END OF REPORT

Note:-

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. The Result Tested as per Requirement of Customer.
3. This Report cannot be used as evidence in the court of law and cannot be used in part or full in any media without prior permission.
4. Sample will be disposed after 15 days from date of Issue of Test Report.

TC-14912

ANNEXURE 21

ETP Photographs

ANNEXURE 22

Flow Meter Photographs


ASTER


ASTER
High
Low
Set
View
Ack.
Menu
PH METER PO-650

ANNEXURE 23

Solar Panels Photographs

ANNEXURE 24

LED Lights


SHREDDER AREA

ANNEXURE 25

Conveyor Belts

ANNEXURE 26

Parking Facility

ANNEXURE 27

Fire fighting system

ANNEXURE 28

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., NOx, 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 between200°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.

ANNEXURE 29

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 30

Health Certificate of Workers

स्वास्थ्यता प्रमाण–पत्र

प्रमाणित किया जाता है कि श्री/श्रीमती मनीष कुमार

पुत्र/पत्नी/श्री रामकुमार निवासी मल्हिया पोस्ट मल्हिया

थाना सण्डीला जिला हरदोई, जिनके हस्ताक्षर निम्नवत् प्रमाणित है, का स्वास्थ्य परीक्षण

ओ0पी0डी0 संख्या 72788 दिनांक 11/01/2024 को सण्डीला स्वास्थ्य केन्द्र

में किया गया। परीक्षणोपरान्त श्री Manish Kumar को स्वस्थ पाया गया।

पहचान चिन्ह बाल में चोट का निशान।

हस्ताक्षर प्रमाणित
मनीष

अधीक्षक
सा0स्वा0 केन्द्र
सण्डीला

अधीक्षक
सा0 केन्द्र
सण्डीला

11/01/24

अधिकारी के हस्ताक्षर
मोहर सहित

स्वास्थ्यता प्रमाण–पत्र

प्रमाणित किया जाता है कि श्री/~~श्रीमती~~ अरुण कुमार

पुत्र/~~पत्नी~~/~~श्री~~ छेदी लाल निवासी मलईया पोस्ट मलईया

थाना सण्डीला जिला हरदोई, जिनके हस्ताक्षर निम्नवत् प्रमाणित है, का स्वास्थ्य परीक्षण

ओ०पी०डी० संख्या ~~1456~~ 72791 दिनांक 11/01/2024 को CHC स्वास्थ्य केन्द्र

Sandila में किया गया। परीक्षणोपरान्त श्री अरुण कुमार को स्वस्थ पाया गया।

पहचान चिन्ह बाँये हाथ की अंगुली में चोट का निशान।

हस्ताक्षर प्रमाणित
अरुण कुमार

अधीक्षक
सा० केन्द्र
सण्डीला

Photo attested

अधीक्षक
सा० केन्द्र
सण्डीला

11/01/24

अधिकारी के हस्ताक्षर
मोहर सहित

अधीक्षक
सा० केन्द्र
सण्डीला

स्वास्थ्यता प्रमाण–पत्र

प्रमाणित किया जाता है कि श्री/~~श्रीमती~~ विमलेश कुमार

पुत्र/~~पत्नी~~/श्री शम्भु दयाल निवासी मलईया पोस्ट मलईया

थाना सण्डीला जिला हरदोई, जिनके हस्ताक्षर निम्नवत् प्रमाणित है, का स्वास्थ्य परीक्षण

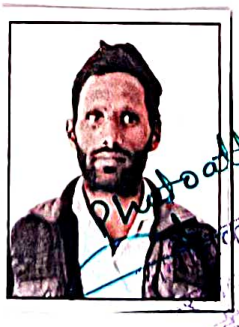
ओ0पी0डी0 संख्या 72748. दिनांक 11/01/2024 को सण्डीला स्वास्थ्य केन्द्र

..... में किया गया। परीक्षणोपरान्त श्री विमलेश कुमार को स्वस्थ पाया गया।

पहचान चिन्ह बाल के दाहिने पर चोट का निशान।

हस्ताक्षर प्रमाणित

अधीक्षक
सण्डीला



11/01/24

अधिकारी के हस्ताक्षर
मोहर सहित
सामु०स्वा० केन्द्र
सण्डीला

स्वास्थ्यता प्रमाण–पत्र

प्रमाणित किया जाता है कि श्री/श्रीमती श्यामजी पाल

पुत्र/पत्नी/श्री सुधीर कुमार पाल निवासी मलेईया पोस्ट मलईया।

थाना सण्डीला जिला हरदोई, जिनके हस्ताक्षर निम्नवत् प्रमाणित है, का स्वास्थ्य परीक्षण

ओ0पी0डी0 संख्या 72750 दिनांक 11/01/2024. को सण्डीला स्वास्थ्य केन्द्र

..... में किया गया। परीक्षणोपरान्त श्री श्यामजी पाल को स्वस्थ पाया गया।

पहचान चिन्ह माथे में चोट का निशान।

हस्ताक्षर प्रमाणित
Shyamji Pal

अधीक्षक
सामु0स्वा0 केन्द्र
सण्डीला

11/01/24
अधिकारी के हस्ताक्षर
मोहर सहित

स्वास्थ्यता प्रमाण–पत्र

प्रमाणित किया जाता है कि श्री/श्रीमती सुशील कुमार

पुत्र/पुत्नी/श्री रंगीराम सिंह निवासी मलईया पोस्ट मलईया

थाना सण्डीला जिला हरदोई, जिनके हस्ताक्षर निम्नवत् प्रमाणित है, का स्वास्थ्य परीक्षण

ओ0पी0डी0 संख्या ~~447~~ 72749 दिनांक 11/01/2024 को सण्डीला स्वास्थ्य केन्द्र

_____ में किया गया। परीक्षणोपरान्त श्री सुशील कुमार को स्वस्थ पाया गया।

पहचान चिन्ह बाँये हाथ की मध्यमा अंगुली मे तिल का निशान।

हस्ताक्षर प्रमाणित

अधिकारी के 11/01/24
हस्ताक्षर मोहर सहित

अधीक्षक
सा0स्वा0 केन्द्र
सण्डीला

ANNEXURE

Environmental Policy

GST NO. 09ABUFA6591R1Z5 PAN - ABUFA6591R

AV BIOMEDICAL WASTE SERVICES

Head Office : 1/964 Gomti Nagar Extension, Vardan Khand, Lucknow Pin Code - 226010

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

Ref No. AVBS/LKO/OL/24 Date : 13/01/2024

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: 13/01/2024
Place: Lucknow

for M/s AV Biomedical Waste Services

Authorized Signatory

स्वच्छ भारत
एक कदम स्वच्छता की ओर

PLant Address

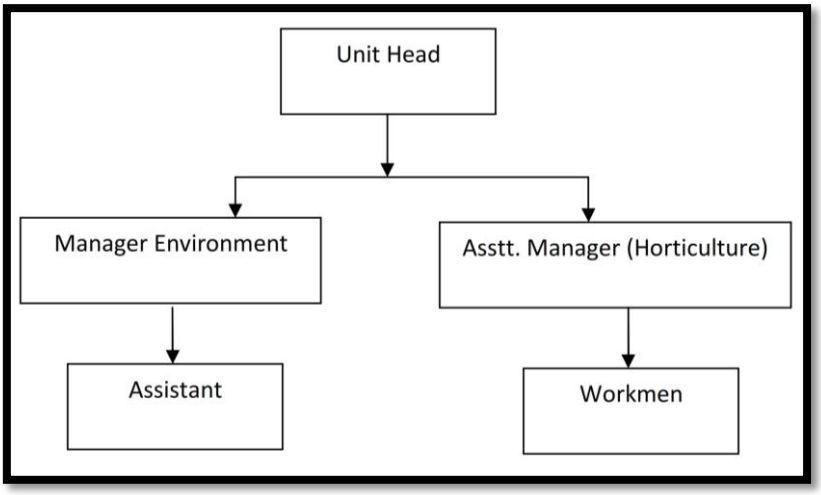
1. Village Maleya Tehsil Sandila, District - Hardoi, Uttar Pradesh
2. Village Rajdhani, Post Nautanwa, District Maharajganj, U.P.
3. Plot No. A-2/36 Sector 15 at Gorakhpur Industrial Development Authority (GIDA), Gorakhpur

ANNEXURE 32

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 33

Newspaper advertisement

जन सूचना

आम जनता को एतद्द्वारा सूचित किया जाता है कि SEIAA, उत्तर प्रदेश ने हरदोई जिले के संडीला तहसील के मलैया गांव के खसरा संख्या 167 मि में मेसर्स ए.वि.बायो मेडिकल वेस्ट सर्विसेज द्वारा प्रस्तावित सामान्य बायो मेडिकल अपशिष्ट उपचार सुविधा को EC ID संख्या EC22B057UP118105 एवं पत्र संख्या-6288 के माध्यम से दिनांक 07.10.2022 को पर्यावरण मंजूरी प्रदान की गयी है। पर्यावरण मंजूरी की प्रति वन एवं पर्यावरण मंत्रालय की वेबसाईट **http://environmentclearance.nic.in/TrackState_proposal.aspx?type=EC&status=EC_new&statename=Uttar%20Pradesh&pno=SIA/UP/MIS/62770/2021&pid=208798** पर उपलब्ध है।

ANNEXURE 34

Online monitoring at main gate

ANNEXURE 35

CSR Plan

LAXMI ENGINEERS

H-606,710 ,LAABHAM RESISDENCY
BEHHIND AGRAWAL PUBLIC SCHOOL
Indore, Madhya Pradesh (MP - 23), PIN Code 452001, India
PAN: CAKPM1696J

GSTIN: 23CAKPM1696J1ZC
Phone: 7021256933
Email: laxmiengineers017@gmail.com

INVOICE

Original for Recipient

Bill To	**AV BIOMEDICAL WASTE SERVICES**
Address	Khasra No. 167Mi and 90Mi , Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh Hardoi, Uttar Pradesh (UP - 09), PIN Code 241204, India
GSTIN	09ABUFA6591R1Z5 Place of Supply: UP (09)
Phone	831 885 3645

Invoice No.	507	**Date**	07/09/2024
P.O. Number	VERBAL	**P.O. Date**	01/08/2024
Reverse Charges	No		

Ship to:	AV BIOMEDICAL WASTE SERVICES
Address	Khasra No. 167Mi and 90Mi , Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh Hardoi, Uttar Pradesh (UP - 09), PIN Code 241204, India
Contact	Ashutosh Sukla

No	Product / Service Name	HSN/SAC	Qty	Unit Price	Disc.	Taxable Value	IGST		Total
							%	Amount	
1	**DMD Display Board Environmental Monitoring for Public Awareness View with Line Display Board Display Size 2 feet (H) x 4Feet (W) Visibility 80-100 meters Readability up-to 70 meters** Warranty: 1 year The following data will display. The details of the Environment Display Board 1. P-10-line outdoor display with Minimum 8 Lines 2. The display board body should be black colour 3. colour should be red colour. 4. Power Supply 230VAC, 50Hz 5. Display through the p. c base. 6. all data will send through standard software/technology. 7. The display board should be Water and dustproof. 8. Letter clear visible distance up to 100 meters in Day and Night. 9. Character Size programmable 80MM	5201	1.00	48,000.00	0.00	48,000.00	18.00	8,640.00	56,640.00

LAXMI ENGINEERS

H-606,710 ,LAABHAM RESISDENCY
BEHHIND AGRAWAL PUBLIC SCHOOL
Indore, Madhya Pradesh (MP - 23), PIN Code 452001, India
PAN: CAKPM1696J

GSTIN: 23CAKPM1696J1ZC
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Phone	831 885 3645

Invoice No.	507	**Date**	07/09/2024
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Address	Khasra No. 167Mi and 90Mi , Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh Hardoi, Uttar Pradesh (UP - 09), PIN Code 241204, India
Contact	Ashutosh Sukla

No	Product / Service Name	HSN/SAC	Qty	Unit Price	Disc.	Taxable Value	IGST		Total
							%	Amount	
	(Min). 10. Display board ambient temp should be 55 Deg.C Installation, Packaging, Forwarding, and commissioning will free of cost Industry Scope. civil work and Stabilized power supply cost will your scope Proper earthing will be in industry scope. Front Fibre Transparent Dust Proof & Water Proof	5201	1.00	48,000.00	0.00	48,000.00	18.00	8,640.00	

LAXMI ENGINEERS

H-606,710 ,LAABHAM RESISDENCY
BEHHIND AGRAWAL PUBLIC SCHOOL
Indore, Madhya Pradesh (MP - 23), PIN Code 452001, India
PAN: CAKPM1696J

GSTIN: 23CAKPM1696J1ZC
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INVOICE

Original for Recipient

Bill To	**AV BIOMEDICAL WASTE SERVICES**
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GSTIN	09ABUFA6591R1Z5 Place of Supply: UP (09)
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Invoice No.	507	**Date**	07/09/2024
P.O. Number	VERBAL	**P.O. Date**	01/08/2024
Reverse Charges	No		

Ship to:	AV BIOMEDICAL WASTE SERVICES
Address	Khasra No. 167Mi and 90Mi , Village- Maleya, Tehsil- Sandila, Hardoi, Uttar Pradesh Hardoi, Uttar Pradesh (UP - 09), PIN Code 241204, India
Contact	Ashutosh Sukla

No	Product / Service Name	HSN/SAC	Qty	Unit Price	Disc.	Taxable Value	IGST		Total
							%	Amount	
2	**Display driver & datalogger for display support sim /wifi modem** Display driver & datalogger for display support sim /wifi modem	9027	1.00	35,000.00	0.00	35,000.00	18.00	6,300.00	41,300.00
	Shipping & Packaging	**@0%**				**2500.00**		**0.00**	**2500.00**
		@18%				**83000.00**		**14940.00**	**97940.00**
		Total				**85500.00**		**14940.00**	**100440.00**

Total in words

₹ One Lakh Four Hundred Forty Only

Note:
BANK DETAILS-
NAME- LAXMI ENGINEERS
1. SBI BANK
ACCOUNT NO- 41757101934
IFSC CODE- SBIN0061103
NAME – LAXMI ENGINEERS
2. ICICI BANK
ACCOUNT NO- 032605500934
IFSC CODE- ICIC0000326

Total before tax	**₹ 85,500.00**
Total Tax Amount	**₹ 14,940.00**
Rounded off	**0.00**
Total Amount	**₹ 1,00,440**
Amount Due	**₹ 1,00,440**

Certified that the particulars given above are true and correct.

For, LAXMI ENGINEERS

Authorised Signatory