



State Environment Impact Assessment Authority, M.P.
(Ministry of Environment, Forest and Climate Change, Government of India)

Environmental Planning & Coordination Organization

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No.: 5888 ISEIAA/dl
Date: 27.1.21

To,
Dr. Ankur Agrawal, Partner,
M/s Agnimitra, 10, Yashwant Niwas Road,
District- . Indore, MP

Sub:-Case No 7372/2020: Prior Environment Clearance for Common Bio Medical Waste Treatment Facility at Plot No.- E-47/A, D-41/C, D-42/A, E-48/B, D-43/B, E-47/C, E-48/A, D-42/B & D-43/A, Sector-C, Industrial Area, Sanwar Road, Dist. Indore (M.P) Land Area – 4170 sq.mt (1.03 acre) Proposed Capacity- for Treatment of 300 kg per hour through Incinerator (Static) with Dry Scrubbing System and Ceramic Filters based Bio medical incineration project by M/s Agnimitra, Dr. Ankur Agrawal, Partner, 10, Yashwant Niwas Road, Dist. Indore, MP E-mail:theagnimitra@gmail.com Mob No.- 903937400 Environment Consultant: M/s Creative Enviro Services, 42, Doorsanchar Colony, E-8 Gulmohar Bhopal (MP)

Ref: Your online application (SIA/MP/MIS/53255/2020) dtd. 22.05.20 received in SEIAA office on 10.07.2020

With reference to the above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR, EIA Report, ppt. and additional clarifications furnished in response to observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

- (i) The project is proposed for establishing a new Common Bio Medical Waste Treatment Facility on PLOT NO.-E-47/A, D-41/C, D-42/A, E-48/B, D-43/B, E-47/C, E-48/A, D-42/B & D-43/A Sector "C" Sanwer Road Industrial Area Indore (M.P.) in notified Industrial area. The site is located at geographical co-ordination Latitude 22°46'18.04"N to Longitude 75°51'26.18"E .
- (ii) M/s AGNI MITRA is a Partnership company incorporated for the purpose of rendering services in field of Bio-Medical Waste Treatment. Agnimitra is registered as Startup company promoted by women entrepreneurs first of its kind for CBWTF. In Agnimitra at least 50% share holding will be of women entrepreneurs and also Agnimitra will have at least 50% women workers in its plant and operations.

- (iii) A common biomedical waste treatment facility named Hoswin Incinerator Pvt. Ltd is operating in the Indore city for Indore and nearby areas. Agnimitra is owned by the family members of the present CBWTF facility, hence there will not be any conflict of works area. To provide better services to health care facilities in the area a new CBWTF named Agnimitra is proposed. Hoswin Incinerator Pvt. Ltd is operating at more than 10000 beds.
- (iv) With consent from the present facility i.e. Hoswin Incinerator Pvt. Ltd Agnimitra will provide services to maximum 10000 beds and allied non bedded HCF. Agnimitra will not disturb beds of any other facility in MP without consent.
- (v) Bio Medical Waste Treatment Facility with the following :
- | | | |
|---|------|-------------------|
| Incinerator (Fixed Hearth) with Dry Scrubbing System and Ceramic Filters- | 02 | -300 kg/ hr |
| Autoclave | - 02 | - 500kg per batch |
| Shredder | - 02 | - 250kg per hour |
| Plastic Processing line | - 01 | - 250 kg per hour |
| Effluent Treatment Plant | - 01 | - 0 KLD |
- (vi) The proposed project is for setting up of common bio-medical waste treatment facility and project falls under Category "B" Projects of activity 7 (da) as per EIA Notification dated 14th September, 2006 and its subsequent amendments dated 17th April 2015, under Bio- Medical Waste Treatment Facilities.
- (vii) There is no National park / Sanctuaries, Eco-sensitive areas (DFO letter dtd 08.07.19), critically polluted areas and inter-State boundaries within 10 km of the proposed site; hence general conditions are not attracted as per EIA Notification 2006 its amendments.
- (viii) ToR was issued vide letter dtd. 11.08.20. EIA report submitted by PP in SEIAA office on 07.12.20 the same was forwarded to SEAC through SEIAA vide letter no. 5051 dated 07/12/2020 and accordingly the case was discussed in 469th meeting dtd. 17.12.20 and is recommended for grant of prior EC.
- (ix) The project is proposed for setting up of the Common Bio-medical Waste Treatment Facility for treatment of biomedical waste with 300 kg per hour (2 nos.) incinerator Static with dry scrubbing system and ceramic filters also Incinerator, Autoclave, Shredder, Plastic Processing and Effluent Treatment. Initially one incinerator will be installed and in future another incinerator will be installed as per requirement of the project.
- (x) The site is an old vacant industry in industrial area which is purchased by the project proponent. Presently tin shed of 1000 sq.m and RCC roof area 500 sqm is already existing. The same will be used for Machine area and office area.
- (xi) Regarding land documents, PP has submitted sale deed dtd. 16.02.19 and as per the land documents the land was purchased by Dr. Ankur Agrawal. PP has also submitted Partnership deed dtd. 22.05.2019 executed between M/s Agnimitra, through Partner Dr. Ankur Agrawal, Mrs. Vijaya Jain, Mrs. Gosiya Warsi, Dr. Mrs. Sunila Agrawal. The land use break-up of the unit is as follows:-

Particulars	Proposed
Plant and Machinerics	1375 sq.mt
Raw Material	200 sq.mt
Fuel storage area	31.5 sq.mt.
Road	585 sq.mt
Green belt area	1376 sq.mt
Open Land	602.50 sq mt.
Total Area	4170 sq.mt

- (xii) Proposed project of setting up of the Common Bio-medical Waste Treatment Facility for treatment of biomedical waste with 300 kg per hour (2 nos.) incinerator Static with dry scrubbing system and ceramic filters also Incinerator, Autoclave, Shredder, Plastic Processing and Effluent Treatment. Initially one incinerator will be installed and in future another incinerator will be installed as per requirement of the project.
- (xiii) The site is an old vacant industry in industrial area which is purchased by the project proponent. Presently tin shed of 1000 sqm and RCC roof area 500 sqm already exists. The same will be used for Machine area and office area.
- (xiv) As per the guideline, 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 not available within a radial distance of 75 KM, existing CBWTF in the locality (located within the respective State/UT) may be allowed to cater the healthcare units situated up to 150 KM radius w.r.to its location provided the Bio-Medical waste generated is collected, treated and disposed of within 48 hours as Stipulated under the BMWM Rules.

Latest Status Of Existing Common Bio- Medical Waste Treatment Facilities(CBWTF) And Its Coverage Area						
SN	Name of CBWTF	Coverage Area (District)	No. of HCFs	No. of Member HCF	BMW collected (kg)	No. of vehicle
1	Hoswin Incinerator Pvt. Ltd. Indore	Indore, Khandwa, Khanrone, Badwani, Dhar, Dewas, Shajapur, Rajgarh, Jhabua, Alirajpur, Agar-Malva	1247	903	3584	16
2	Bhopal Incinerator Pvt. Ltd. Bhopal	Bhopal, Raisen	>1000	626	1345	10
3	Environment Protection corp. Sehore	Sehore, Harda, Vidisha, Betul, Hoshangabad	290	243	525	06
4	Elite Engineers, Jabalpur	Jabalpur, Katni, Mandla, Sioni, Narsinghpur, Balaghat, Dindori	514	343	1288	10
5	Davis Surgico (J.A Group of hospital Gwalior)	Gwalior, Datia, Bhind, Morena, Syopur	>1000	416	885	06
6	Davis Surgico (Bundelkhand Medical of college) Sagar	Sagar	184	66	120	03

7	Indo water Management Control Corp. Satna	Satna, Rewa , Sidhi, Singrauli, Panna, Chhatarpur, tikamgarh, Damoh	691	398	658	12
8	M.P. Bio-Medical Waste Disposal system Umaria	Shadole, Annuppur, Umaria	113	60	113	05
9	Bio-Medical Waste system Ratlam	Ratlam , Neemuch, Mandsour	222	159	250	05
10	J.K Medical Waste Management system, Chanderi Ashok Nagar	Guna, Shivpuri, Ashoknagar	112	56	150	04
11	Chandra Project, Chhindwara	Chhindwara	114	56	46	01
12	People College of Medical Science & Research Center, Bhopal	People Group of Hospital, Bhopal	05	05	85	01

Coverage Area			
Location	Total no. of HCF,s being covered	Total number of Beds	Estimated quantity in kg
Around 150KM	935 (Indore, Khandwa, Burhanpur, Khargone, Sanwad, Barwah, Rau, Mhow, Sanwer, Betma, Dhar, , Jhabua Pithampur, Alirajpur, Dewas, Dhamnod, Ujjain, Shajapur, Nagda, Badnagar, Agar	19113	10000 kg per Day

Comparison between Fixed Hearth and Rotary Kiln incinerator

Description	Fixed Hearth	Rotating Kiln
Type	Stationary Grate	Rotating Kiln
Duty	Solid Waste Burning	Solid Waste burning
Waste Charging	Auto with DFDV	Auto –Conveyer & Hopper
De Ashing	Manually thru mechanism	Ash falls down in Kiln
Moving Part	NO	Kiln, drive with GearBox motor
Burner	Two	Two
Space	Less compare to Rotating kiln	More, (L/D need to maintain
Refractory lining	Refractory & Insulation	Brick/Castable
Pre heating	1 -1.5 hr	Very High
Cooling	1 hr	Very High
Maintenance	Very less having no moving part	High
Downtime -Refractory - Maintenance	3 days No	>week High
Offered for	Well established BMW	Having large variance
Operating Cost	Very less as compare to Rotating	High
Ease of Operation	High	Low
Secondary Chamber	Required	Required
APC equipment	Required	Required
Power back	No	Must, otherwise kiln may collapse due to uneven heat
Type of operation	Intermittent	Continuous

Case No. 7372/2020

Issued vide letter no. dated

Case No.: To be quoted in registered cases for correspondence

Outlet emission	As per CPCB	As per CPCB
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- Recommendation of CPCB in design & Construction guidelines of 2003, That above 250 kg/hr capacity Rotating kiln will be preferred (not recommended)
 - Reason being its high operating /maintenance cost it is viable in the cases where waste qty is high ,variance of waste is expected & require continuous operations
 - Considering waste generation /expansion & optimum use of Capex/Opex PP has proposed 300 kg/hr incinerator with static primary chamber & wet scrubbing system complying to BMW rule 2016 & amendment thereof
- (xv) The total water requirement for the proposed facility is 10 KLD which will be met from water tankers.
- (xvi) The main wastewater generations sources in the proposed project are cleaning of the floors and pavements of the facility and vehicles, vehicle wash area, etc will be treated in ETP of 10 KLD capacity. The domestic waste water will be treated in septic tank followed soak pit.
- Treatment plant of 10 KLD shall be installed for treatment of waste water. The treated effluent shall be utilized for green belt development, toilet flushing and ash quenching. Hence no effluent discharge will take place.
 - Web based camera shall be installed to monitor the ZLD condition.
 - A drain along the boundary wall shall be made , and shall be connected to settling tank to protect the flow of contaminant towards nearby land
 - RCC dyke/platform should be constructed for storage of chemicals and oil drums to avoid spillage.
- (xvii) Following are the measures proposed for storm water management:
- Run-off from upstream areas will be diverted to proposed settling tank within the premises through drains.
 - The run-off generation will be minimized by diverting run-off from areas external to the plant to storm water discharge points;
 - A drain along the boundary wall shall be made, and shall be connected to settling tank to protect the flow of contaminant towards nearby land
 - Run-off from area external to process areas of the plant will be contained within a storage system.
 - Regular inspection and cleaning of storm water drains.
 - Conducting routine inspections to ensure cleanliness.
 - Preparation of spill response plans, particularly for fuel and oil storage areas.
 - Good housekeeping in the plant areas.
- (xviii) Solid wastes shall be generated in the form of Incineration ash from Incinerator, ETP sludge from ETP process and used oil from the plant utility. Following steps shall be taken;

- Incineration ash from incinerator and ETP sludge will be sent to authorized TSDF site
- Used oil will be properly stored and it will be re-used as lubricants in the machineries within the premises only.
- Record of solid waste generation and disposal shall be maintained.
- All Necessary precaution shall be taken during handling, loading and unloading of solid waste.

Sr No	Name Of the Waste	Approximate Quantity (Tonnes/Year)	Waste Generating Point	Mode Of Handling & Transport
1.	Used oil	15 Lit/Yr.	From DG Sets, Pumps, etc	Will be given to authorized recyclers.
2.	Incineration Ash	200 MT/Year	Incineration of Biomedical Waste	Authorized TSDF
3.	Used carbon from ACF	1 MT/Year	ETP	Authorized TSDF
4.	ETP Sludge	8 MT/Year	Effluent treatment plant	Authorized TSDF

- (xix) Power requirement will be sourced from existing line of Madhya Pradesh State Electricity Board (MPSEB). In case of power failure, D.G. set will be used.
- (xx) Air emission from flue gases from incinerator due to combustion of biomedical waste, SO₂/NO₂ due to vehicular emissions, During Loading, Unloading and cleaning/sweeping activities, during transportation, Handling & Treatment of Biomedical waste. For control of air emission Incinerator will be provided with a stack height meeting MOEFCC Guidelines (wet scrubber/absorption etc.) Water sprinkling during loading & unloading activities, Development of thick plantation along railway siding Internal roads will be concreted / asphalted to reduce dust emissions, Proper parameters (air & temperature) to be maintained during combustion, to reduce the flue gases formation.
- (xxi) The green belt will be developed for the proposed project in an area of 1400 sq. m of the total site area. Greenbelt will be developed all along the periphery of the project maintaining a distance of around 2m between each plant. Inside the project, around 300 plants shall be planted maintaining a 5 m wide greenbelt all around the plant.
- (xxii) The proposed project cost is Rs. 320 lakhs

Benefits of the project: The beneficial impact of proposed project on the civic amenities will be substantial after the commencement of project activities. The basic requirement of the community needs will be strengthened by extending healthcare to the community, building/strengthening of existing roads in the area which will help in uplifting the living standards of local communities. The project will create opportunities for employment to the nearby villagers.

Based on the information submitted at Para i to xxii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 653rd meeting held on 08.01.2021 and decided to accept the recommendations of 469th SEAC meeting held on dtd. 17.12.20

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 & its amendments for the Proposed Common Bio Medical Waste

Treatment Facility at Plot No.- E-47/A, D-41/C, D-42/A, E-48/B, D-43/B, E-47/C, E-48/A, D-42/B & D-43/A, Sector-C, Industrial Area, Sanwar Road, Dist. Indore (M.P) Land Area – 4170 sq.mt (1.03 acre) Proposed Capacity- for Treatment of 300 kg per hour through Incinerator (Static) with Dry Scrubbing System and Ceramic Filters based Bio medical incineration project by M/s Agnimitra, Dr. Ankur Agrawal, Partner, 10, Yashwant Niwas Road, Dist. Indore, MP subject to the compliance of the Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

- (1) The entire demand of fresh water should be met through licensed tanker and there should be no extraction of ground water.
- (2) This EC will be subject to the location criteria to be decided by the MPPCB specially the proximity to the human settlement.
- (3) PP will take prior permission of MPPCB for establishing CBWTF at the site in reference to revised guideline of CPCB-2016 for CBWTF before installation.
- (4) PP should install adequate ETP for treatment and disposal of effluent and Zero discharge should be maintained.
- (5) Process effluent/any waste water should not be allowed to mix with storm water.
- (6) Guidelines of CPCB/MPPCB for Bio-Medical Waste Common Hazardous Wastes Incinerators shall be followed.
- (7) No landfill site is allowed within the CBWTF site.
- (8) Ecosorb (organic and biodegradable chemical) and alumina will be used around odor generation areas at regular intervals for dilution of odorant by odor counteraction or neutralize.
- (9) PP will ensure to use only non chlorinated bags for handling and storing bio medical waste. In any case, PP is not allowed to use poly and plastic bags.
- (10) All safety measures will be strictly followed by workers for handling of Bio medical waste bags during storage and feeding at incinerator to prevent health hazards.
- (11) Incinerator should be properly interlocked with venture scrubber to control air pollution.
- (12) Incinerated ash and ETP sludge shall be disposed at approved TSDF and MoU made in this regard should be done prior to the commencement.
- (13) Color coding for handling waste be strictly followed as per BMW Rules 2016.
- (14) PP should ensure the rain water harvesting by providing of recharging pits. In addition, PP should provide recharging trenches. The base of the trenches should be Kachha with pebbles.
- (15) PP will install continuous online monitoring system to monitor the emissions from the stack. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furan.
- (16) Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials..
- (17) Necessary provision shall be made for firefighting facilities within the complex.

- (18) PP should carryout periodical air quality monitoring in and around the site including VOC, HC.
- (19) PP shall ensure to conduct quarterly health check up of workers working in the plant.
- (20) PP will construct garland drain of appropriate size and settling tank with stone pitching all around the plant premises.
- (21) PP should develop 5 m green belt all along the periphery of the species that are significant and used for the pollution abatement. Besides this, PP will explore the possibility to develop dense green belt by planting thick foliage trees.
- (22) Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
- (23) The proponent should ensure that the project fulfills all the provisions of Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 including collection and transportation design etc and also guidelines for Common Hazardous Waste Incineration - 2005, issued by CPCB.
- (24) The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
- (25) PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures, and other energy efficient plant machineries and equipments.
- (26) The containers should be covered during transportation in order to prevent exposure of public to odors and contamination.
- (27) PP should have two storage rooms separately for treated and untreated waste.
- (28) PP should ensure the traffic movement plan, parking facilities and road width.
- (29) PP should ensure to submit half yearly compliance report and CER activity report with photographs of plantation in MP-SEIAA. If PP is failed to upload or submit two consecutive half yearly compliance reports of EC conditions to concerned authority (SEIAA and Regional Office, MoEF&CC, GoI, Bhopal) than prior environmental clearance issued to PP will automatically be treated as cancelled/ revoked as per OM No. 930/SEIAA/2019 dated 30.05.2019 issued by MPSEIAA.

B. Specific Conditions as recommended by SEAC

I. Statutory Compliance

Proposed project	<ul style="list-style-type: none"> • Bio Medical Waste Treatment Facility with the following : • Incinerator (Fixed Hearth) with Dry Scrubbing System and Ceramic Filters - 02 - 300 kg per hour • Autoclave - 02 - 500 kg per batch • Shredder - 02 - 250 kg per hour • Plastic Processing line - 01 - 250 kg per hour
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- i. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.

- ii. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2016 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
- iii. 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 incinerations shall be followed.
- iv. Project shall fulfill hall 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.
- v. All other statutory clearances such as the approvals for storage of diesel from Chief Controlled of Explosive, Fire Department Civil Aviation Department shall be obtained, as applicable by project proponent from the respective competent authorities.

II. Air quality monitoring and preservation

- i. The project proponent shall install emission monitoring system including Dioxin and furans to monitor stack emission with respect to standards prescribed in Environment in Environment (Protection) Rules, 1986 and connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Periodical air quality monitoring in and around the site including VOC, HC shall be carried out.
- iii. Incineration plant shall be operated (combustion chambers) with temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) consent in the slag and bottom ashes less than 3% or their loss on ignition is less than 5% of the dry weight of the materials.
- iv. CNG will be used as fuel in the Kiln. Adequate air pollution control system should be provided with the incinerator to arrest the gaseous emission with stack of adequate height (Minimum 35 meters) to control particulate emission.
- v. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards. All necessary air pollution Control devises (quenching, venturi scrubber, mist eliminator) should be provided for compliance of emission standards.
- vi. Masking agents should be used for odour standards.

III. Water quality monitoring and preservation

- i. The project proponent shall install effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules, 1986 through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. Waste water generated from the facility shall be treated in the ETP and The water after primary treatment shall be sent to CETP for further treatment and record shall be maintained. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero liquid discharge shall be maintained.
- iii. Process effluent /any waste water should not be allowed to mix with storm water.

- iv. Total fresh water use shall not exceed the proposed requirement (10 KLD) as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
- v. Zero discharge treatment system shall be provided. No soil contamination is anticipated from the proposed project as the land fill facility will have liner system to arrest any contamination.
- vi. Web based camera shall be installed to monitor the ZLD condition.
- vii. The leachate, if any, from the facility shall be collected and treated to meet the prescribed standards before disposal.
- viii. A drain along the boundary wall shall be made, and shall be connected to settling tank to protect the flow of contaminant towards nearby land
- ix. Run-off from upstream areas will be diverted to settling tank (5mLX5mWX5D) within the premises through drains.
- x. The run-off generation will be minimized by diverting run-off from areas external to the plant to storm water discharge points;

IV. Noise monitoring and prevention

- i. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.
- ii. The sources of noise generation will Incinerator, pumps, Compressors, etc. All machinery has been manufactured as per OSHA/MoEF guidelines. Earplugs have been provided to workers working in noise prone area.
- iii. Ambient noise levels is in accordance with MoEF notification dated 14-02-2000 i.e. noise levels will be < 75 dB (A) during daytime and < 70 dB (A) during night time. No additional increase is expected.

V. Energy Conservation measures

- i. Provide solar power generation roof tops of building, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.
- ii. Provide LED lights in their offices and residential areas.
- iii. Power will be required about 170 KW which have been sourced through Madhya Pradesh Vidyut Vitaran Company Ltd.

VI Waste management

- i. Incinerated ash and other shredded or Autoclaved waste shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the SPCB prior to the Commencement.
- ii. The solid wastes shall be segregated as per the norms of the solid Waste Management Rules, 2016.
- iii. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016.
- iv. No landfill site is allowed within the CBWTF site.
- v. Regular monitoring and analysis of village Pond flowing nearby and nearby pond shall be carried out
- vi. RCC dyke/platform should be constructed for storage of chemicals and oil drums to avoid spillage.
- vii. The project proponent shall not store the Hazardous Wastes more than the quantity that has been permitted by the CPCB/SPCB and disposed them as follows:

Sr No	Name Of The Waste	Approximate Quantity (Tonnes/Year)	Waste Generating Point	Mode Of Handling & Transport
1.	Used oil	15 Lit/Yr.	From DG Sets, Pumps, etc	Will be given to authorized recyclers.
2.	Incineration Ash	200 MT/Year	Incineration of Biomedical Waste	Authorized TSDF
3.	Used carbon from ACF	1 MT/Year	ETP	Authorized TSDF
4.	ETP Sludge	8 MT/Year	Effluent treatment plant	Authorized TSDF

VII. Green Belt

- i. Green belt shall be developed in area as provided in project details, with native tree green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
- ii. The 1400 sq.mts (300 numbers of trees) of total area shall be provided for green belt development as per the details provided in the project document. 5 m wide greenbelt will be developed all around the plant.

IX. EMP

- i. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to during into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/condition. The company shall have defined system of reporting infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/ conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF & CC as a part of six monthly reports.
- ii. In the EMP PP have proposed Rs. 78.0 lakh/year as capital cost and 7.50 lakh/year for recurring expenses.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Officer along with the six monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- i. The project authorities must strictly adhere to the stipulation made by the State Pollution Control Board and the State Government.

- ii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- iii. No further expansion of modification in the plant shall be carried out within prior approval of the Ministry of Environment Forests and Climate Change (MoEF & CC).
- iv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules any other orders passed by the Hon'ble Supreme Court of India/ High Courts/NGT and any other Court of Law relating to the submit matter.

Standard Conditions:

1. "Consent for Establishment" shall be obtained from the MPPCB under the Air and Water Act and a copy shall be furnished to the MPSEIAA, before taking up any construction activity at the site.
2. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furans.
3. The proponent shall comply with the Environmental standards notified by Ministry of Environment, Forest & Climate Change for incinerators along with the technology/guidelines.
4. Incineration plants shall be operated (combustion chambers) with such temperature, retention time and turbulence, so as to achieve Total Organic Carbon (TOC) content in the slag and bottom ashes less than 3%, or their loss on ignition is less than 5% of the dry weight of the material.
5. Guidelines published by the Central Pollution Control Board from time to time for common incineration facilities shall be referred for implementation.
6. Transportation and handling of Bio-medical Wastes shall be as per the Bio-medical Wastes (Management and Handling) Rules, 2000 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
7. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
8. The proponent should obtain necessary clearance from the Central Ground Water board Authority if required.
9. The applicant (Project proponent) will take necessary measures for prevention, control and mitigation of Air Pollution, Water Pollution, Noise Pollution and Land Pollution including solid waste management as mentioned by him in Form-1, Final EIA reports and Environment Management Plan (EMP) in compliance with the prescribed statutory norms and standards.
10. The Regional Office, MoEF, Gol, Bhopal & MPPCB shall monitor compliance of the stipulated conditions. A complete set of documents including Environment Impact Assessment Report, Environmental Management Plan, and Environmental Monitoring Plan as approved by SEAC should be submitted to Regional Office, MoEF, Gol, Bhopal & MPPCB within six months.

11. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO as applicable and responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
12. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF & CC Gol, Bhopal.
13. The Project Proponent has to upload only soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF & CC web portal - <http://www.environmentclearance.nic.in/> or <http://www.efclearance.nic.in/>.
14. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria of pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
15. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal / the CPCB / the SPCB during monitoring of the project.
16. The SEIAA of M.P. reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner..
17. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
18. The Environmental Clearance shall be valid for a period of Seven years from the date of issue EC as per EIA Notification, 2006 Para 9 & its amendments.
19. Any appeal against this prior environmental clearance shall lie with the National Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

5889
Endt No. / SEIAA/ 2021
Copy to:-

Dated 27.1.21

(Tanvi Sundriyal)
Member Secretary

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.

- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Indore, M.P.
- (5). Managing Director, M.P. Audyogik Kendra Vikas Nigam (Indore) Limited, Free Press House First Floor, 3/54 Press Complex, Agra-Mumbai Highway Indore (M.P).
- (6). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.



(Alok Nayak)
Officer-in-Charge