



**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.: 2204 /SEIAA/19

Date: 18.9.19

To,  
MEDISURE INCINERATOES  
39, HIG, Chamunda Complex,  
Civil Lines. Dewas (MP)

**Sub: Case No.5730/2018:** Prior Environment Clearance for Common Bio Medical Waste Treatment Facility) for treatment of 100 kg per hour incineration facility with fixed hearth technology based Bio Medical Incineration at Khasra no. 156/3/2 Village-Bilankheda, Khandwa (MP) Land area: 1.011ha (2.50 acres) by Owner, MEDISURE INCINERATOES 39, HIG, Chamunda Complex, Civil Lines. Dewas (MP) E-mail : [medisureincinerators@gmail.com](mailto:medisureincinerators@gmail.com) Mob no. 9424874278 Env. Consultant: - Visiontek Consultancy Services Pvt. Ltd., Bhubaneswar, Odisha.

**Ref:** Your application dtd. 20.07.18 received in SEIAA office on 03.08.2018

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 14<sup>th</sup> 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. M/s, MEDISURE INCINERATORS Proposes Common Bio Medical Waste Treatment Facility at Khasara No.156/3/2, Village-Bilankheda, Tehsil- Khandwa in the Dist. of Khandwa (M.P.)
- ii. Proposed project of setting up of the Common Bio-medical Waste Treatment Facility for treatment of 100 kg per hour incineration facility with fixed hearth technology based Bio Medical Incineration and the project includes Incinerator, Autoclave, Shredder, Storage and Effluent Treatment Facility.
- iii. The proposed capacity of the project includes Treatment of 100 kg per hour Fixed Hearth based bio medical incineration Project:
  - a. Rotary Kiln - 01 - 100 kg per hr
  - b. Autoclave - 01+01 - 1.5 m<sup>3</sup>
  - c. Shredder - 01+01 - 120 kg per hour
  - d. Effluent Treatment Plant - 01 - 10 KLD

Case No. 5730/2018

Issued vide letter no. .... dated .....

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

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- iv. The proposed project of CBWTF as a part of the Common Hazardous Waste Treatment, Storage and Disposal facilities (TSDFs) of falls under Category B, schedule 7(da) as per the EIA notification 14<sup>th</sup> Sep, 2006 and subsequent amendments dated 1st December, 2009 & 17<sup>th</sup> April, 2015 and Revised guidelines 28th March 2016.
- v. There is no National park / Sanctuaries, Eco-sensitive areas (DFO letter dtd 19.07.18), critically polluted areas and inter-State boundaries within 10 km (Tehsildar letter dtd. 19.07.18) of the proposed site, hence general conditions are not attracted as per EIA Notification 2006 and its amendments.
- vi. It is noted that PP has made the application for 250 kg per hour of incineration through rotary kiln. Now considering the economical viability and availability of bio-medical waste, PP has initially proposed to install 100 kg per hour incineration facility with fixed hearth technology and 250 kg per hour rotary kiln based bio medical incineration at later stage. It was observed by the authority that When 250 kg per hour rotary kiln based bio medical waste incinerator will be installed, the technology of the process will be changed and capacity will be increased hence, as per the EIA Notification 2006 and its amendments *Expansion or modernization in the project, entailing capacity/ built-up area/ project area, addition with change in process and or technology and any change in product - mix in proposed unit shall require a fresh Environment Clearance.* In context of above authority after discussion recommends that **EC may be considered for 100 kg per hour incineration facility with fixed hearth technology only.**
- vii. Regarding land document PP has submitted KP 2017-18. As per the khasra panchsal the land ownership is the name of Shri Gurvindar Singh.
- viii. Public Hearing for the proposed project was conducted on 20 February, 2019 at Janpad panchyat office auditorium, Khandwa, Distt.- Khandwa, Madhya Pradesh under the Chairmanship of Add.Collector, Khandwa. Some issues regarding, impact on human health, employment to local villagers, proper treatment to the waste, and fear of pollution emanating from the establishment on private land were raised during the Public Hearing which were addressed by PP.
- ix. As per new guidelines A CBWTF located within 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 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.
- x. Following are the data available for the district of Khandwa.

In view of above Point No.- ii, PP has reported that, Gap analysis of the proposed CBWTF:

Location	Detail of Health Care Facility (HCF)	Total number of Beds	Present waste quantity in kg/day
Around 75 KM	60 Registered Members by B.M.C. Khandwa.	2150	592 kg per Day

As per the guideline, one CBWTF facility will cover 75 km area and 10000 beds.

- xi. The main activities from the proposed project which cause air pollution are as follows: Emissions from burning of biomedical waste, DG set stack emissions,



Dust particulates due to movement of vehicles and road sweepings, Dust, Odour & Gas generation from secured landfill. For control of air emission following measures will be adopted:-

- Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.
  - Ash from incineration of biomedical waste shall be disposed of at common hazardous waste treatment and disposal facility.
  - Only low Sulphur fuel like Light Diesel Oil or Low Sulphur Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the incinerator.
  - Monitoring of the stack gaseous emissions (under optimum capacity of the incinerator) will be done once in three months through a laboratory approved under the EPA 1986 /NABL and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring will be done once in a year.
  - Continuous emission monitoring system for the parameters as stipulated by MPPCB in authorization
  - Incinerators (combustion chambers) shall be operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon content in the slag and bottom ashes less than 3% or their loss on ignition shall be less than 5% of the dry weight.
  - Combustion gas analyzer to measure CO<sub>2</sub>, CO and O<sub>2</sub> will be installed
  - Provision of flue stack of 35m height for wider dispersion of gaseous emissions.
  - Provision of water spraying arrangement at raw material storage yard.
  - Adequate stack height of 15mt shall be provided for the DG set to keep the air pollutants well within the prescribed limits;
- xii. The total water requirement for proposed facility is 10 KLD. Water requirement is mainly for Incineration and Steam generation and domestic purpose. Water requirement will be sourced from Water Tanker. The facility intends to reuse the treated effluent in internal green belt development after giving proper treatment to reduce fresh water demand and also wish to follow the zero discharge concepts. Hence no adverse impact on surface as well as ground water envisaged due to proposed project.
- xiii. The waste water generated from bio waste contains suspended particles, blood stains, bacteria and other pathogenic organism etc. will be treated in ETP. 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.
  - Run-off from upstream areas will be diverted to proposed settling tank (5mLX5mWX5D) 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;



- xiv. Considering the nature of project and as directed by SEAC, no rain water harvesting is proposed
- xv. For storm water management PP has proposed following measures:
- a. Run-off from upstream areas will be diverted to proposed settling tank within the premises through drains.
  - b. The run-off generation will be minimized by diverting run-off from areas external to the plant to storm water discharge points;
  - c. Run-off from area external to process areas of the plant will be contained within a storage system.
  - d. Regular inspection and cleaning of storm water drains.
- xvi. The odor management is one the issue in CBWTF. PP has proposed the mitigation measures to minimize and control odor are as follows.
- a. Dilution of odorant by odor counteraction or neutralize by spraying Ecosorb (organic and biodegradable chemical) around odor generation areas at regular intervals.
  - b. Covering the landfill area under operation daily with layer of earth, clay or a similar material.
  - c. Covering by using heavy duty hessian, plastics and foams odor can be minimized.
  - d. Incineration is the oxidation of the odor into carbon dioxide and water by the combustion of the odor with fuel and air. The reaction takes place at temperatures ranging from 750oC to 850oC.
  - e. Controlling odorous substances by adsorption method.
- xvii. For Collection and Transportation of Bio medical Waste PP has proposed to provide 6- 7 closed vehicles for the Collection & transportation of bio-medical waste to proposed facility.
- xviii. Biomedical Waste segregated in color coded containers as per Biomedical Waste Management and Handling Rules shall be collected from various Health Care Facilities located in the 75 Km radius (Covering 10000 beds) The collected waste shall be transported in specially designed closed vehicle to the proposed CBWTF for treatment and disposal.
- xix. For solid waste PP has proposed to send all the incineration ash at common hazardous waste treatment and disposal facility (TSDF).Ash from Incineration and Sludge from Effluent Treatment Plant shall be disposed off in nearest TSDF through authorized vendor/recyclers. Used oil will be properly stored and it will be re-used as lubricants in the machineries within the premises only.
- PP has proposed depending on the category/nature disposal of all the generated hazardous waste as per Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and Bio medical waste as per Management and Handling)Rules, 2016 .
- xx. For fire fighting, PP has proposed to provide firefighting equipment at appropriate locations (sand bags, fire extinguishers etc.)
- xxi. The power requirement of the project is 80 HP which will be sourced through Madhya Pradesh Kshetra Vidyut Vitran Company Limited. PP has also provided power back up by DG set capacity of 32 KVA.
- xxii. Total 33% area i.e. 3400 sq.m shall be dedicated for the green belt according to CPCB/PCB guidelines. Green Belt shall also be developed along the transport road having numbers 2000 within 01 year of operation. 5 m wide greenbelt will be



developed all around the plant. Forest Department will be consulted in developing the green belt. PP has allocated 7.94 lakh budgetary provisions for plantation.

- xxiii. Under CSR activities PP has proposed to make budget provision of Rs.5.50 lakhs with following activities:-

S. no	Need Identified For CSR Plan	Activities	Duration	Budgetary Provision (Rs.)Per Annum
1	Provision of Infrastructure facility to nearby school	Chair, Table, Fan, drinking water facility, Medical check up facility, toilet facility at school located at Bilankhera, Kalijakheri, Barur, Chhirbel, Ssulyakheri, Bhatalpura	Yearly	50,000/-
2	Provision of water harvesting structures as per suitability of the villages	Water harvesting structures at villages Bilankhera, Kalijakheri, Barur, Chhirbel, Ssulyakheri, Bhatalpura inclusive of deepening of pond	Yearly	50 000/-
			<b>Total</b>	<b>1,00,000/-</b>
Rs 2 % of project cost = Rs 2.50 Crores (Total CER cost : Rs 5 Lacs Rs 1,00,000 per annum for 5 year				

- xxiv. **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 xxiv above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 563<sup>rd</sup> meeting held on 14.08.2019 and decided to accept the recommendations of 376<sup>th</sup> SEAC meeting SEAC meeting held on dated 01.07.2019

Hence, Prior Environmental Clearance is accorded under the provisions of EIA Notification dtd. 14<sup>th</sup> September 2006 & its amendments for the proposed Common Bio Medical Waste Treatment Facility) for treatment of 100 kg per hour incineration facility with fixed hearth technology based Bio Medical Incineration at Khasra no. 156/3/2 Village- Bilankheda, Khandwa (MP) Land area: 1.011ha (2.50 acres) by Owner, MEDISURE INCINERATOES 39, HIG, Chamunda Complex, Civil Lines. Dewas (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. This EC will be subject to the location criteria to be decided by the MPPCB
2. PP should ensure prior environmental clearance grated for treatment of 100 kg per hour incineration facility with fixed hearth technology based Bio Medical Incineration, installation of 250 kg per hour rotary kiln based bio medical waste incineration require fresh EC.



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 shall be submitted to the MPSEIAA prior to the commencement.
13. Color coding for handling waste be strictly followed as per BMW Rules 2016.
14. 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.
15. Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials..
16. Necessary provision shall be made for fire fighting facilities within the complex.
17. PP should carryout periodical air quality monitoring in and around the site including VOC, HC.
18. PP should develop 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.
19. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
20. The containers should be covered during transportation in order to prevent exposure of public to odors and contamination.
21. PP should have two storage rooms separately for treated and untreated waste.
22. PP should ensure the traffic movement plan, parking facilities and road width.
23. PP should develop green belt at least minimum of 33% in plant premises as per CPCB guidelines with native species/Pollution absorbing species.



24. The inputs given by the participants during Public hearing should be properly redressed. All the promises and assurances made during the public hearing shall be fulfilled completely by project proponent.
25. PP should plan the CSR activities as per local villagers needs and should consult District administration for implementation of the CSR activities and submit the same to MPSEIAA.
26. PP should ensure to submit half yearly compliance report and CSR 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**

- 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 shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/from the competent authority concerned in case of drawl of surface water required for the project.
- 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. HSD will be used in Incinerator at about 150 liters per hour. Venturi scrubber (alkaline) should be provided with the incinerator to arrest the gaseous emission



- with stack of adequate height (Minimum 30 meters) to control particulate emission within 50 mg/Nm<sup>3</sup>).
- v. Appropriate Air Pollution Control (APC) system shall be provided for fugitive dust from all vulnerable sources, so as to comply prescribed standards. All necessary air pollution Control devices (quenching, venturi scrubber, mist eliminatory) 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 treated waste water shall be recycled in the APCD connected to the incinerator. The water quality of treated effluent shall meet the norms prescribed by State Pollution Control Board. Zero discharge should be maintained.
- iii. Process effluent /any waste water should not be allowed to mix with storm water.
- iv. Total fresh water use shall not exceed the proposed requirement (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 from the facility shall be collected and treated to meet the prescribed standards before disposal
- viii. Rain water runoff from hazardous waste storage area shall be collected and treated in the effluent treatment plant.
- ix. Run-off from upstream areas will be diverted to proposed settling tank (5 m x 5m x 5m ) within the premises through drains.
- x. Regular cleaning of storm water drain is necessary.

### **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

### **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 Ministry 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. 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	50 Lit/Yr.	From DG Sets, Pumps, etc	Will be given to authorized recyclers.
2.	Incineration Ash	10 MT/Year	Incineration of Biomedical Waste	Authorized TSDF
3	Used carbon from ACF	1 MT/Year	ETP	Authorized TSDF
4.	ETP Sludge	2 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 3400 sq.mts (650 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.

#### **VIII. Public hearing and Human health issues.**

- i. Feeding of materials/Bio-medical waste should be mechanized and automatic no manual feeding is permitted.
- ii. Proper parking facility should be provided for employee & transport used for collection & disposal of waste materials.
- iii. Necessary provision shall be made for fire-fighting facilities within the complex.
- iv. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- v. Emergency plan shall be drawn in consultation with SPCB/CPCB and implemented in order to minimize the hazards to human health of environment from fires, explosion or/any unplanned sudden or gradual release of hazardous waste or hazardous waste constituents to air, soil or surface water.
- vi. Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, reache etc. the housing may be in the form of temporary structures to be removed after the completion of the project.
- vii. Occupational health surveillance of the workers shall be done on a regular basis.



## **IX. Corporate Environment Responsibility**

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated: 1<sup>st</sup> May 2018, as applicable, regarding. Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental/ forest/ wildlife norms/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.
- iii. In the EMP PP have proposed Rs. 85.94 lakh/year as capital cost and 9.98 lakh/year for recurring expenses. Under CER Rs. 1.00 lakhs/year is proposed.
- iv. 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 report to the head of the organization.
- v. 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.
- vi. 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 or modification in the plant shall be carried out without 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 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.

### **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](http://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, SO<sub>2</sub>, NO<sub>x</sub> (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 Environmental (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 five years from the date of issue EC as per EIA Notification, 2006 Para 9.
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.

Endt No. 2205 / SEIAA/ 2019

Dated 18.9.19

*(Jitendra Singh Rajee)*  
Member Secretary

Copy to:-

- (1). Principal Secretary, Environment Deptt. 3<sup>rd</sup> 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, Khandwa, District r (M.P.)
- (5). Directorate of Medical Education, Government of MP, 6<sup>th</sup> floor, Satpura Bhawan, Arera Hills, Bhopal, Madhya Pradesh – 462004
- (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.

*(Dr. Sanjeev Sachdev)*  
Officer-in-Charge