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

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No: 2079 /SEIAA/2019
Date: 29.1.19

To,
Director, M/s Hostech Eco Management Pvt. Ltd,
10, Yashvant Niwas Road,
Indore, MP- 452001

Sub: Case No.5542/2017: Prior Environment Clearance for Establishing a Common Biomedical Waste Treatment Facility at Khasra no. 323/1, 323/2/1, 332/2/2 Village-Kaliyadeh, Tehsil- Ghatiya, Dist.- Ujjain (MP) Total plot area 0.554 ha (1.22 acres) Proposed Capacity - 2400 tonnes per annum by Director, M/s Hostech Eco Management Pvt. Ltd, 10, Yashvant Niwas Road, Indore, MP- 452001, Mob. No. 09893269299,E-mail: hostecheco@gmail.com Envt. Consultant: Visiontek Consultancy Servives Pvt. Ltd., Bhubaneshwar

Ref: Your application dtd. 29.03.17 received in SEIAA office on 31.03.2017

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 proposed project is Common Bio-medical Waste Treatment facility of Bio Medical Waste collected from the various health care establishments / unit generating bio medical wastes. Facility includes Incinerator, Autoclave, Shredder and Effluent Treatment Facility.

ii. Biomedical waste in Ujjain region is presently managed by Hoswin Incinerator Private Limited, Indore. All the wastes generated from various health care units in the region is transported to Indore. Since there is no CBWTF in the region, the closest CBWTF Hoswin Incinerator Private Limited, Indore is providing services to HCFs in the area. Hoswin Incinerator Private Limited, Indore do not any objection to set up of proposed project and provide services in Ujjain area which is presently covered by them.PP has submitted No objection certificate from Hoswin Incinerator Private Limited, Indore.

iii. The proposed treatment facilities at the site are, Bio Medical Waste Segregation, Autoclave, Shredding and Incineration. The project is aimed to cater the needs of the Bio Medical waste generation units in the nearby Health Care Units of Ujjain district of the state with an approximation of 6.57 tonnes per day (6575kg/day).The propsed unit set up for treatment of bio-medical waste at Ujjain covering presently 9300 beds.

iv. The proposed unit will be established on an existing industrial manufacturing unit which is closed since long and they have also obtained CTE from the M. P. Pollution Control Board. vide letter no. 2520/ROU/MPPCB/2012 on 25th Jan, 2012.

v. The proposed facility will cater to Ujjain district and the surrounding within 150 km radius

vi. The land was purchased from the owner whose industry was earlier situated in the same land where an industrial shed, a platform and security hut already exists. The Proponent gives undertaking that all the old structures will be utilized in the proposed facility and there will be no dismantling involved.

S.No	Features	Existing old Structures (Area sq.m.)	New Structures Proposed (Area sq.m.)	Total Constructed Area Proposed (Area sq.m.)
1.	Security Hut	12	0	12
2.	Workers Room	24	0	24
3.	Waste Storage Rooms	50	50	100
4.	Admin &Storage	256	0	256
5.	Incinerator Area	360	360	720
6.	Autoclave & Shredder area	40		40
7.	Parking		80	80
8.	ETP		36	36
9.	Green Area		3127	3127
10.	Road & Open area		1145	1145
Total Area		**5540**		**5540**

vii. The proposed project has been designed to treat up to 2.4 tons of bio-medical waste per day with following equipments:

Sl. No.	Equipment	Capacity	Number
1	Incinerator 2.4 TPD	300 kg per hour	1
2	Autoclave 0.5 TPD	1200 litre per batch	1
3	Shredder 0.50 Ton	60-70 kg per hour	1
4	Effluent Treatment Plant	12 KLD	1

viii. 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.

ix. There is no National park / Sanctuaries, Eco-sensitive areas (DFO letter dtd 09.03.17), 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.

x. Regarding land documents, PP has submitted sale deed dtd. 25.05.11and as per the land documents the land is the name of Director, M/s Hostech Eco Management Pvt. Ltd

xi. Public hearing was conducted for the proposed Common Biomedical Waste Treatment Facility at Kaliyadeh Village, Ghatiya Tehsil, Ujjain District in Madhya Pradesh on 15.06.2018 at 11.00 am at Mela Office and Ujjain Kothi Palace under the chairmanship of Additional District Collector of Ujjain. Some issues regarding air & water pollution, biological environment and health problems which were addressed by PP.

xii. The total water requirement for the proposed facility is 11.7 KLD the fresh water 4.31 KLD met from water tankers.

xiii. The wastewater generated will be treated in in-house ETP of capacity 12 KLD. The treated water shall be reused in APCDs, greenbelt, etc. The facility shall be developed as Zero Liquid Discharge (ZLD) system. No treated wastewater shall be let out of the premises of the proposed CBWTF. Process effluent will be re-circulated in process after proper treatment. The domestic wastewater will be collected and treated in packages STP and reused for greenbelt.

xiv. A surface water drainage line which collects and removes all surface runoff. PP has proposed proper utilization of rainwater by harvesting by appropriate rain water-harvesting mechanism. Roof water will be collected by adopting proper treatment (oil & grease trap); the collected water will be used for various uses (dust suppression, floor washings, toiler flushing, greenbelt, etc.). Based on the rainfall intensity of the plant area, storm water drainage system will be designed

xv. Incineration ash (ash from incineration of any bio-medical waste) shall be disposed through hazardous waste treatment, storage and disposal facility (TSDF), if toxic or hazardous constituents are present beyond the prescribed limits as given in Schedule-II of the Hazardous and Other Waste Management & Trans-boundary Movement Rules or as revised from time to time. Presently no TSDF facility is available in Ujjain & the nearest TSDF facility identified is located at an aerial distance of about 71 km in SSE direction. Common Treatment, Storage and Disposal Facility of M/s Ramky Enviro Engineers Limited, Hyderabad is available at Plot no. 104, Industrial Area No. II, Pithampur District, Dhar (M.P). MoU with the company is in process.

xvi. 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.

xvii. Air emission from flue gases from incinerator due to combustion of biomedical waste, SO_2/NO_2 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.

xviii. The proposed CBWTF shall not be handling chlorinated plastics and no incineration will be done on chlorinated bags. There is no change of dioxin and furans generation during incineration.

xix. The green belt will be developed for the proposed project in an area of 3127 sq. m (56 %) 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 50 plants shall be planted maintaining a distance of around 3.5 m between each plant.

xx. Under CSR activities PP has proposed as per MoEF&CC's OM dated 1st May, 2018, 2% of the project cost is to be spent on CER (Corporate Environment Responsibility) activities for green-field projects having project cost <100 crores. As such for the proposed project, an amount of Rs. 10 lakhs has to be earmarked for spending under CER activities.

S.No.	Activities	Total Cost allocated for 5 years (in Rs.Lakh)
1	Construction of Borewell/Tubewell nearby village	2.5
2	Revamping of school/Aanganwadi as per requirement of Gram Panchyat.	7.5
	Total	**10.0**

xxi. The proposed project cost is Rs. 475 lakhs

xxii. **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 516th meeting held on 20.12.2018 and decided to accept the recommendations of 320th. SEAC meeting held on dtd 23.10.18

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 & its amendments for the proposed Establishing a Common Biomedical Waste Treatment Facility at Khasra no. 323/1, 323/2/1, 332/2/2 Village- Kaliyadeh, Tehsil-Ghatiya, Dist.- Ujjain (MP) Total plot area 0.554 ha (1.22 acres) Proposed Capacity - 2400 tonnes per annum by Director, M/s Hostech Eco Management Pvt. Ltd, 10, Yashvant Niwas Road, Indore, MP- 452001 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 iicensed 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 8 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 to develop buffer zone in the additional land belongs to PP on eastern direction towards road to suppress emissions.
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. Transportation and handling of Bio-medical Wastes shall be as per the Biomedical Wastes (Management and Handling) Rules, 2000 including the section 129 to 137 of Central Motor Vehicle Rules, 1989.
24. 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.
25. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
26. 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.
27. The containers should be covered during transportation in order to prevent exposure of public to odors and contamination.
28. PP should have two storage rooms separately for treated and untreated waste.
29. PP should ensure the traffic movement plan, parking facilities and road width.
30. Under CSR activities PP has proposed to construction of bore well/tubewell & revamping of school/aanganwadi as per requirement of Grampanchyat with budgetary provision of Rs. 10.0 Lakhs upto 5 year. PP should ensure the implementation of CSR activities on regular basis in consultation with the Gram Panchayat of the respective villages.
31. PP should develop green belt at least minimum of 33% in plant premises as per CPCB guidelines with native species/Pollution absorbing species.

B. <u>Specific Conditions as recommended by SEAC</u>

1. The EC shall be valid for establishing Common Bio Medical Waste Treatment and Disposal Facility at Kaliyadeh Village, Ghatiya Tehsil, Distt. - Ujjain, (M.P.) with following treatment capacity –

Rotary Kiln Incinerator	- 2.4 TPD (one number)
Autoclave	- 0.5 TPD (one number)
Shredder	- 0.50 Ton (one number)

(A) PRE-CONSTRUCTION PHASE

2. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
3. For dust suppression, regular sprinkling of water should be undertaken.
4. The entire area should be covered with 03 meters MS sheets and due care should be taken for noise and vibration control during demolition work.
5. PP will obtain other necessary clearances/NOC from respective authorities.
6. Provisions shall be made for the housing of construction/plant erection labor within the site with all necessary infrastructure and facilities such as mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after completion of the period.
7. 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 the Bio-Medical

Waste Management Rules, 2016 and guidelines issued by the Central Pollution Control Board from time to time.

8. Ensure timely collection of bio-medical waste from the occupier as prescribed under the rules.

(B) CONSTRUCTION PHASE

9. Inform the prescribed authority immediately regarding the occupiers which are not handing over the segregated bio-medical waste in accordance with the rules.
10. Provide training for all its workers involved in handling of bio-medical waste at the time of induction and at least once a year thereafter.
11. Undertake appropriate medical examination at the time of induction and at least once in a year and immunize all its workers involved in handling of bio-medical waste for protection against diseases, including Hepatitis B and Tetanus, that are likely to be transmitted while handling bio-medical waste and maintain the records for the same.
12. Shall display details of authorization, treatment, annual report etc on its web-site.
13. PPE's such as helmet, ear muffs etc should be provide to the construction workers.
14. Fire extinguishers should be provided on site during construction period.
15. All internal roads will be concreted / asphalted to reduce dust emissions.
16. All vehicles carrying raw material should be covered with tarpaulin and unloading/loading activities should be stopped during windy period. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used. Bar Code System should be developed by the facility operator as per the guidelines issued by the Central Pollution Control Board for ensuring compliance to the BMWM Rules, 2016.
17. Waste construction material should be recycles as far as possible and remaining should be disposed off at a designated place in consultation with the local authority.
18. Peripheral plantation inclusive of avenue and aromatic plantation at all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed the project plan to develop green belt in 3127 m2 area and 600 plants are proposed to be planted along the periphery of the project and inside the project.
19. PP should explore the possibility of providing solar street light. & LED should be preferred over of tube lights/CFL.
20. Waste oil generated from the DG sets, ash and ETP sluge should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.
21. The total water requirement for the project is 11.7 KLD.
22. Land use breakup details as proposed by PP for this facility are as follows:

Land use Break-Up for proposed unit,	**Total Area 5540 Sq. mt.**
Particulars	**Area in sq.meter**
Security Hut	12
Workers Room	24
Parking	80

Admin & Storage	256
Incinerator Area	360
ETP	36
Green area	3127
Open area	1645

23. As proposed, the effluent generated from industrial activities in the proposed plant will be treated in ETP (Capacity 12.0 KLD and re-circulated in venturi scrubber. Waste water generated from domestic use will be sent to the packaged STP and the treated water will be used for flushing and dust suppression. No effluent from the facility shall be discharged outside the premises and Zero discharge shall be maintained. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
24. The height of the stack shall be not less than 30 mtrs. 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. On line continous monitoring system shall also be installed to monitor the stack emission and data connectivity must be provided to the MPPCB's server for remote operations.
25. 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.
26. Ventury scrubber with mist eliminator, Bag Filter, APCs and dust collector shall be provided as air pollution control equipment.
27. Combustion gas analyzer to measure CO2, CO and O2 should be installed.
28. Spraying of "Ecosorb" should be performed on regular intervals to avoid any odor nuisance.
29. The PP should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016.
30. Dedicated parking facility for unloading of materials/wastes shall be provided in the facility premises. PP shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
31. PP shall ensure that 02-03 additional vehicle shall be available all the time in addition to the required number of vehicle for collection and transportation of bio medical waste.
32. No hazardous waste should be disposed off in this facility.
33. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
34. In case of power failure, stand by D.G. Set/s having power generation capacity equivalent to the requirement of power to run the facility shall be installed, so that the facility shall always be operated round the clock even in case of power failure. The overall noise level in and around the facility area and D.G. Set shall be kept well within the standards by providing noise control measures including engineering controls like acoustic insulation hoods, silencers, enclosures etc. on all sources of noise

generation. The ambient noise level shall confirm to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.

35. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
36. Pucca flooring / impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
37. Good housekeeping shall be maintained within the facility premises. All pipes, valves and drains shall be leak proof. Leakages from the pipes, pumps, shall be minimal and if occurs, shall be arrested promptly. Floor washing shall be admitted in to the effluent collection system for subsequent treatment and disposal.
38. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
39. After ensuring treatment by autoclaving or microwaving followed by shredding, the recyclables from the treated bio-medical wastes such as plastics and glass shall be given to such recyclers having valid authorization or registration from the respective prescribed authority.
40. The Occupier or Operator of facility shall maintain a record of recyclable wastes referred to in sub-rule (9) of Bio-Medical Waste Management Rules, 2016 which are auctioned or sold and the same shall be submitted to the prescribed authority as part of its annual report. The record shall be open for inspection by the prescribed authorities.
41. The handling and disposal of all the mercury waste and lead waste shall be in accordance with the respective rules and regulations.
42. The facility operator shall adhere to the "STANDARDS FOR TREATMENT AND DISPOSAL OF BIO-MEDICALWASTE BY INCINERATION AND PLASMA PYROLYSIS OR GASIFICATION," as per Schedule II of the Bio-medical Waste Management Rules, 2016.
43. Report major accidents including accidents caused by fire hazards, blasts during handling of biomedical waste and the remedial action taken and the records relevant thereto (including nil report) in Form I to the prescribed authority and also along with the annual report.
44. Maintain a log book for each of its treatment equipment according to weight of batch; categories of waste treated; time, date and duration of treatment cycle and total hours of operation.
45. Allow occupier, who are giving waste for treatment to the operator, to see whether the treatment is carried out as per the rules.
46. Supply non-chlorinated plastic colored bags to the various occupiers, if required.
47. Common bio-medical waste treatment facility shall ensure collection of biomedical waste on holidays also.
48. Maintain all record for operation of incineration and other activities such as autoclaving & shredding etc for a period of five years.

(C) <u>ENTIRE LIFE OF THE PROJECT</u>

49. PP has proposed Rs. 21.50 lacks for environmental monitoring and environmental management inclusive of green belt development and Rs. 17.10 lacks/year for recurring expenses in the proposed EMP of this project.

50. The environmental policy with Environmental Management Cell as per MoEF guideline will be prepared by PP and the with suitably qualified staff for implementation of the stipulated environmental safeguards and for monitoring functions shall be setup under the control of the Chief Executive of the company.
51. As proposed, the green belt development / plantation activities should be completed within the first three years of the project and the proposed species should also be planted in consultation with the forest department.
52. In case of any, change in scope of work, technology, modernization and enhancement of capacity/ built-up area/ project area shall again require prior environmental clearance as per EIA notification, 2006.
53. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
54. The validity of the EC shall be as per the provisions of EIA Notification subject to the following: 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.

Standard Conditions:

1. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
2. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
3. "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.
4. Guidelines of State Pollution Control Board (MPPCB) for Common Hazardous Wastes Incinerators shall be followed.
5. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furans.
6. Use only low sulphur diesel. No other oil shall be used.
7. The proponent shall comply with the Environmental standards notified by Ministry of Environment, Forest & Climate Change for incinerators along with the technology/guidelines.
8. Necessary provision shall be made for firefighting facilities within the complex. The Project Proponent should carryout periodical air quality monitoring in and around the site including VOC, HC.
9. The Project Proponent should develop green belt all along the periphery of the TSDF with plant species that are significant and used for the pollution abatement.
10. Treated flue gas emissions discharge through stack to atmosphere shall always be less than or equal to the parameter-specific emission standards notified by the CPCB.
11. All the facilities shall be designed to achieve a minimum temperature of 1100°C in secondary combustion chamber and with a gas residence time in secondary combustion chamber not less than 2 (two) seconds.

12. 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.

13. Pizometric holes shall be identified/constructed in all directions for monitoring.

14. Guidelines published by the Central Pollution Control Board from time to time for common incineration facilities shall be referred for implementation.

15. 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.

16. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.

17. The proponent should obtained necessary clearance from the Central Ground Water board Authority if requird.

18. Project proponent should prepare and implement an On Site Emergency Management Plan.

19. Project proponent should carryout periodical ground water/soil monitoring in and around the site to check the contamination including TCLP test for heavy metals.

20. Green belt of 15 meters shall be provided all along the periphery of the site, as committed. The green belt area shall not be used for any other purpose.

21. All measures for air pollution control shall be adopted.

22. There should not be any spillage from the transportation vehicles.

23. Zero discharge system shall be adopted.

24. Double containment system shall be provided for all waste transport vehicles to avoid spillage. The spillage shall be cleared immediately.

25. Vehicles should prominently display complaint numbers for use of public as well as antidotes to any toxic waste.

26. All the recommendations of EMP/DMP shall be strictly complied.

27. The project proponent will set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

28. Untreated domestic effluent should not be discharged into open drain. The domestic effluent should be treated in a well designed septik tank with soak pit. As soon as the sewerage system is made operational the domestic effluent from the project should be discharged only into the sewerage system for treatment in STP.

29. All the commitment made regarding issues raised during the public hearing / consultation meeting shall be satisfactorily implemented. Item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal. Implementation of such program shall be ensured as office Memorandum dated 18.05.12 of MoEF, GoI and its amendments.

30. 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.

31. Corporate Environment Responsibility:

    a) The Company shall have a well laid down Environment Policy approved by the Board of Directors.
    b) The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/deviation/violation of the environmental or forest norms/ conditions.
    c) The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
    d) To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/ or shareholders or stakeholders at large.

32. Ambient noise level should not exceed the permissible limit. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should confirm to the standards prescribed under EPA Rules, 1989 & its amendments.

33. There shall not be removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.

34. Adequate measures shall be adopted to ensure industrial safety. Proper fire detection & protection systems shall be provided to control fire and explosion hazards. The implementation and monitoring of Environmental Management Plan and Disaster Management Plan should be carried out.

35. Environmental Management Information System shall be in position and maintained properly.

36. No further expansion or modifications in the project should be carried out without prior approval of the State Environmental Impact Assessment Authority (MP-SEIAA) .

37. The gaseous emissions from various process units should conform to the load/mass based standards prescribed by the MoEF & CC and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.

38. A separate Environmental Management Cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

39. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.

40. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF, GoI, and its Regional Office, Bhopal.

41. The Regional Office, MoEF,GoI, 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, GoI, Bhopal & MPPCB within six months.

42. Action plan with respect to suggestion/improvement and recommendations made and agreed during public hearing consultation shall be submitted to the Regional Office, MoEF, GoI, Bhopal, MP PCB within six months.

43. 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.

44. 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 GoI, Bhopal.

45. 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/.

46. 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, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

47. 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.

48. 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.

49. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006.

50. 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.

51. 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.

52. 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.

53. The above conditions will 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 and the Public Liability Insurance Act, 1991 along with amendments and rules.

54. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF.

55. The project authorities 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 and the date of start of the project.

(Jitendra Singh Raje)
Member Secretary

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Endt No. / SEIAA/ 2019 Dated 29.1.19

Copy to:-

(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, Ujjain, District Ujjain (M.P.)
(5). Director, I.A. Division, Monitoring Cell, MoEF, GoI, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
(6). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
(7). Guard file.

(Dr. Sanjeev Sachdev)
Officer-in-Charge