



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

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No: 222 /SEIAA/2019

Date: 12.2.19

To,  
AGM, M/s Medicare  
Environmental Management pvt ltd,  
403, 4<sup>th</sup> floor, BPTP Park Centra,  
Sector-30, NH-8, Gurgaon, Haryana – 122001

**Sub: Case No.5394/2016:** Prior Environmental Clearance for proposed Common Biomedical Waste Treatment Facility, at Plot no.- 15 & 17 Village- Maneri, Tehsil-Niwas, District-Mandla, MP, total plot area 4000 sq.m. by AGM, M/s Medicare Environmental Management Pvt ltd, 403, 4<sup>th</sup> floor, BPTP park centra, sector-30, NH-8, Gurgaon, Haryana-122001, Mob. No. 09810632693, E-mail: [sanjayprakash.garg@ramky.com](mailto:sanjayprakash.garg@ramky.com)  
Consultant- Ramky Enviro Services Pvt. Ltd. Hyderabad.

**Ref:** Your application dtd. 31.08.16 received in SEIAA office on 01.09.2016

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) 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, Storage and Effluent Treatment Facility.
- (ii) 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 Mandla district of the state with an approximation of 20,000 beds@0.16-0.2kg/day/bed equals to 3.2-4 tons per day.
- (iii) The proposed facility will cater to Mandla and the surrounding districts within 150 km radius (Balaghat, Chhindwara, Dindori, Jabalpur, Katni, Narsinghpur, Seoni)
- (iv) The proposed project has been designed to treat up to 5 tons of bio-medical waste per day with following equipments:
  - a. Incinerator- 5 TPD (250 kg/hr)
  - b. Autoclave – 2 TPD (430 litres/batch)
  - c. Shredder- 150 kg/hr



- (v) 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.
- (vi) There is no National park / Sanctuaries, Eco-sensitive areas (DFO letter dtd 28.03.17), 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.
- (vii) Regarding land documents, PP has submitted Land registration document (dated 11/08/2016) and as per the land documents the land is the name of M/s Medicare Environmental Management Pvt Ltd.
- (viii) The total water requirement for the proposed facility is 32 KLD. The primary source of water will be from M.P. Audyogik Kendra Vikas Nigam (Jabalpur), Ltd., however alternatively water will be drawn from bore wells within the site if possible or else by external water tankers. PP has submitted commitment letter from AKVN (Jabalpur) Ltd. dtd. 07.02.17 for supply of 50 KLD water.
- (ix) The wastewater generation will be 110 KLD and wastewater generated will be treated in in-house ETP of capacity 120 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.
- (x) The storm water drains are connected to rain water collection chamber. The rain water thus collected shall be used for greenbelt, vehicle washing etc., after treatment, if necessary. The facility shall be developed as Zero Liquid Discharge (ZLD) system. No treated wastewater shall be let out of the premises of the CBWTF.
- (xi) 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. For the management of solid waste PP has proposed the following :
- Incineration ash from incinerator will be temporarily stored at ash storage pit and finally it will be disposed to the nearest authorized TSDF site.
  - Incineration ash 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 precautions shall be taken during handling, loading and unloading of solid waste.
- (xii) Incineration ash and ETP sludge is hazardous waste in nature same shall be disposed through nearest authorized TSDF operator. No other hazardous waste handling or treatment shall be done in the proposed facility. If any hazardous waste found mixed with bio-medical waste shall be disposed of in compliance with Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- (xiii) The power required for the facility will be fetched from Madhya Pradesh State Electricity Board (MPSEB). For emergency backup DG is maintained with optimal usage by using a High Speed Diesel with a capacity of 100 KVA. Reduction in usage of traditional light bulbs with Light Emitted Diode (LEDs) means reduction in usage energy consumption. Usage of Solar energy at different locations in the plant like parking light, roadside light etc. will be explored.



- (xiv) Truck parking shall be provided with an area of 147 sq. m.
- (xv) The green belt will be developed for the proposed project in an area of 1320 sq. m (33 %) of the total site area. Greenbelt will be developed all along the boundary and along the roads for reducing the noise levels within the project.
- (xvi) Under CSR activities PP has proposed Health checkups, Installation of Hand pumps, Infrastructure Development of Schools, Construction of Community Toilets, Improving Waste collection/management infrastructure in Hospitals, Income Generation Training programs, Merit Scholarships for students, Veterinary camps and Para-Vet Services, Creation of Community Assets and Encouraging rural sports/events to make budgetary provision of Rs.33.5 lakhs.
- (xvii) Public Hearing for the proposed project was conducted on 06-09-2017 under the Chairmanship of A.D.M, Mandla. Some issues regarding, impact on human health and agriculture, medical check up camps, employment to local villagers were raised during the Public Hearing which were addressed by PP.
- (xviii) The proposed project cost is Rs. 10 Crores
- (xix) **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 xix above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 514<sup>th</sup> meeting held on 14.12.2018 and decided to accept the recommendations of 311<sup>th</sup> SEAC meeting held on dtd 16.04.18.

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 Biomedical Waste Treatment Facility, at Plot no.- 15 & 17 Village- Maneri, Tehsil-Niwas, District- Mandla, MP, total plot area 4000 sq.m. by AGM, M/s Medicare Environmental Management Pvt Ltd, 403, 4<sup>th</sup> floor, BPTP park centra, sector-30, NH-8, Gurgaon, Haryana-122001 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 will take prior permission of MPPCB for establishing CBWTF at the site in reference to revised guideline of CPCB-2016 for CBWTF before installation.
3. PP should install adequate ETP for treatment and disposal of effluent and Zero discharge should be maintained.
4. Process effluent/any waste water should not be allowed to mix with storm water.
5. Guidelines of CPCB/MPPCB for Bio-Medical Waste Common Hazardous Wastes Incinerators shall be followed.
6. No landfill site is allowed within the CBWTF site.





7. 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.
8. 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.
9. 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.
10. Incinerator should be properly interlocked with venture scrubber to control air pollution.
11. 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.
12. Color coding for handling waste be strictly followed as per BMW Rules 2016.
13. 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.
14. Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials..
15. Necessary provision shall be made for fire fighting facilities within the complex.
16. PP should carryout periodical air quality monitoring in and around the site including VOC, HC.
17. PP shall ensure to conduct quarterly health check up of workers working in the plant.
18. PP will construct garland drain of appropriate size and settling tank with stone pitching all around the plant premises.
19. PP should develop thick green belt all along the periphery of the species that are significant and used for the pollution abatement.
20. 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.
21. 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.
22. 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.
23. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
24. 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.
25. The containers should be covered during transportation in order to prevent exposure of public to odors and contamination.
26. PP should have two storage rooms separately for treated and untreated waste.



27. PP should ensure the traffic movement plan, parking facilities and road width.
28. PP should ensure the implementation of CSR activities to the extent of Rs. 33.50 lakhs on regular basis as proposed above and committed during presentation. All the modification to the above activities can be made with the permission of the district administration and need based activity for the development of nearby villages shall be implemented by PP in consultation with the District Collector and Grampanchayat.
29. PP should develop green belt at least minimum of 33% in plant premises as per CPCB guidelines with native species/Pollution absorbing species.

**B. Specific Conditions as recommended by SEAC**

30. The EC shall be valid for establishing Common Bio Medical Waste Treatment and Disposal Facility at Mandla with following treatment capacity –

Incinerator - 5 TPD (250 kg/hr)  
 Autoclave - 2 TPD (430 litres/batch)  
 Shredder - 150 kg/hr  
 Other Associated Utilities and amenities.

**(A) PRE-CONSTRUCTION PHASE**

31. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.
32. For dust suppression, regular sprinkling of water should be undertaken.
33. 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.
34. PP will obtain other necessary clearances/NOC from respective authorities.
35. 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.
36. 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.
37. Ensure timely collection of bio-medical waste from the occupier as prescribed under the rules.
38. Establish bar coding and global positioning system for handling of bio- medical waste.
39. Inform the prescribed authority immediately regarding the occupiers which are not handing over the segregated bio-medical waste in accordance with the rules.
40. 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.
41. 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.
42. Ensure occupational safety of all its workers involved in handling of bio-medical waste by providing appropriate and adequate personal protective equipment.



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. Shall display details of authorization, treatment, annual report etc on its web-site.
47. After ensuring treatment by autoclaving or microwaving followed by mutilation or shredding, whichever is applicable, the recyclables from the treated bio-medical wastes such as plastics and glass, shall be given to recyclers having valid consent or authorization or registration from the MP Pollution Control Board.
48. Supply non-chlorinated plastic colored bags to the various occupiers, if required.
49. Common bio-medical waste treatment facility shall ensure collection of biomedical waste on holidays also.
50. Maintain all record for operation of incineration and other activities such as autoclaving & shredding etc for a period of five years.

**(B) CONSTRUCTION PHASE**

51. PPE's such as helmet, ear muffs etc should be provide to the construction workers.
52. Fire extinguishers should be provided on site during construction period.
53. Black carpet road should be provided to reduce dust suppression.
54. All vehicles carrying raw material should be covered with tarpaulin and unloading/loading activities should be stopped during windy period.
55. During construction phase, a settling tank should be provided and settled water should be reused for construction purpose.
56. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.
57. 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.
58. 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 in the EMP trees & shrubs are to be planted with budgetary provisions of Rs. 4.00 lakhs.
59. LED should be preferred over of tube lights/CFL.
60. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
61. PP should explore the possibility of providing solar street light.



62. Waste oil generated from the DG sets should be disposed off in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 after obtaining authorization.

**(C) POST CONSTRUCTION/OPERATIONAL PHASE**

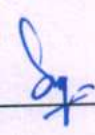
63. Fresh water requirement for the project shall not exceed 132.0 KLD.  
 64. Land use breakup details as proposed by PP for this facility are as follows:

Land use Break-Up for proposed unit , Total Area 4,000 Sq. mt.	
Particulars	Area
Plant Area	833.00
Parking and vehicle wash	147.00
ETP	45.00
Road network	1120.00
Admin Building	91.00
Green Belt	1320.00
Open area	444.00

34. As proposed, the domestic waste water shall be treated in septic tank and soak pit system whereas industrial waste water shall be treated in ETP of 120 KLD. Recycling of treated water shall be ensured to maintain zero discharge conditions.
35. 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.
36. Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. The ground water quality monitoring shall be monitored as per the MPPCB norms. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Bhopal and MPPCB.
37. On line continuous 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.
38. The height of the stack shall be not less than 30 mtrs.
39. 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.
40. 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.
41. Ventury scrubber with mist eliminator, Bag Filter, Multicyclone and dust collector shall be provided as air pollution control equipment.
42. Combustion gas analyzer to measure CO2, CO and O2 should be installed.
43. Internal roads will be concreted / asphalted to reduce dust emissions.



44. Spraying of "Ecosorb" should be performed on regular intervals to avoid any odor nuisance.
45. Magnetic flow meters shall be provided at the inlet/outlet of water supply point and records for the same shall be maintained and submitted to MPPCB regularly.
46. The PP should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016.
47. 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.
48. 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.
49. PP shall ensure that bio medical waste shall be treated completely within 48 hrs from the time of collection. All conditions and guideline lay down by CPCB and BMW Act, 2016 shall be complied.
50. No hazardous waste should be disposed off in this facility.
51. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
52. 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.
53. 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 conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
54. For avoiding vehicle congestion /traffic jam within facility premises or outside road proper turning and parking space be provided. Also all internal roads shall be made pucca/bituminous top to avoid fugitive emissions.
55. Pucca flooring / impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
56. 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.
57. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
58. Bio-medical waste shall be treated and disposed of in accordance with Schedule I, and in compliance with the standards provided in Schedule-II by the facility operator as per Bio-Medical Waste Management Rules, 2016 and guidelines issued by the Central Pollution Control Board from time to time.
59. 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.
60. 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.





61. The handling and disposal of all the mercury waste and lead waste shall be in accordance with the respective rules and regulations.
62. 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 BMW Rules, 2016.
63. The facility operator shall adhere to the "STANDARDS FOR TREATMENT AND DISPOSAL OF BIO-MEDICAL WASTE BY INCINERATION AND PLASMA PYROLYSIS OR GASIFICATION," as per Schedule II of the Bio-medical Waste Management Rules, 2016.

**(D) ENTIRE LIFE OF THE PROJECT**

64. PP has proposed Rs. 87.00 lacks for environmental monitoring and management inclusive of green belt development and Rs. 39.00 lacks/year for recurring expenses in the proposed EMP of this project.
65. Under CSR activity, minimum 02% of the annual profit are proposed in different activities and should be implemented through respective committees.
66. 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.
67. 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.
68. 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.
69. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
70. 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 project 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 septic 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, Gol 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 conform 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



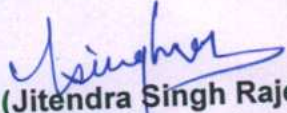
from time to time. At no time the emission level should go beyond the prescribed standards.

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, Gol, and its Regional Office, Bhopal.
41. 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.
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, Gol, 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](http://www.mpseiaa.nic.in) and a copy of the same shall be forwarded to the Regional Office, MoEF & CC Gol, 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, 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.
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.

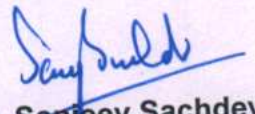
  
(Jitendra Singh Raj)  
Member Secretary

Endt No. 2222 / SEIAA/ 2019

Dated 12.2.19

Copy to:-

- (1). Principal Secretary, Urban Development & 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, Mandla, District Mandla (M.P.)
- (5). Director, I.A. Division, Monitoring Cell, MoEF, Gol, 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