



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

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No: 4757 /SEIAA/2016  
Date: 14-12-16

**To,**  
Ms. Pramila Sharma, CEO/General Manager,  
J.K.Medical Waste Management System,  
208-Vaibhav, F-Block, Surendra Place,  
Bhopal (M.P) – 462026.

**Sub:- 5205/2016:** Prior Environment Clearance for "Common Biomedical Waste Treatment Facility" at Plot No. 55/5x, 2 Village - Godhan Tehsil - Chanderi, District- Ashok Nagar (M.P.), Existing area - 1.03 acres (0.418 ha) by Ms. Pramila Sharma, CEO/General Manager, J.K. Medical Waste Management System, 208-Vaibhav, F-Block, Surendra Place, Bhopal – 462026.

**Ref:** Your application dtd. 27.05.16 received in SEIAA office on 27.05.2016

With reference to 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), dtd. 14.09.06 & its amendments, on the basis of the mandatory documents enclosed with the application viz., Form I, pre-feasibility report, ToR & EIA Report and ppt. furnished in response 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 Biomedical Waste Treatment Facility" at village - Godhan, Tehsil - Chanderi, district - Ashok Nagar, M.P. The project includes 100 kg/hr Incinerator with APCDs (Capable to cater 10000 beds) for 430 liters/batch Autoclave, 50 kg/hr Shredder.
- (ii) The project is covered under 7(da) category B of the EIA Notification issued by the Ministry of Environment & Forest vide S.O.1533 (E), dated September 14, 2006 & its amendments.
- (iii) There is no National park / Sanctuaries, Eco-sensitive areas (Chief Wildlife Warden letter dtd 07.06.16), 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.
- (iv) Regarding land documents PP has submitted Land registration document (dated 25/06/2015) and Land use conversion document (dated 28/11/2015). As per the land documents the land is the name of Ms. Pramila Sharma.
- (v) Public Hearing for the proposed project was conducted on 6th September 2016 at Panchayat Bhawan Village - Mohanpur, Tehsil- Chanderi, District- Ashoknagar, Madhya Pradesh under the Chairmanship of Collector, Ashoknagar. Some issues regarding, employment to local people and fear of

Case No. 5205/2016

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

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

1 of 5

pollution emanating from the establishment of the industrial area were raised during the Public Hearing which were addressed by PP.

- (vi) The total water requirement is 5 KLD out of which fresh water requirement is 3.4 KLD and recycled water 1.6 KLD. The source of fresh water is proposed to be met from ground water as well as supplementing external tankers also.
- (vii) Waste water generation would be around 2.5 KLD. The wastewater generated from scrubbers/other APCDs and wastewater from vehicle wash area/floor washings shall be collected in a sump. The water so collected shall be treated in In-House Effluent Treatment Plant (ETP) and the treated water shall be reused primarily in APCDs (Air Pollution Control Devices). No treated wastewater shall be let out of the premises of the CBWTF.
- (viii) Collection and Transportation activities have planned with following measures to ensure zero hazard to human health and environment:
  - a. Segregated bio-medical waste handed over by HCUs reach CBWTF without any damage, spillage or unauthorized access.
  - b. Responsible person from CBWTF shall accompany the vehicle for supervision.
  - c. Vehicles shall not be used for any other purpose.
  - d. As per BMW Rules 2016, monitoring of dioxins and furans shall be done once in a year through a professional third party (in the presence of MPPCB officials, if required).
  - e. The total time taken from generation of bio-medical waste to its treatment, which also includes collection and transportation time, shall not exceed 48 hours.
  - f. During transportation, the containers should be covered in order to prevent exposure of public to odours and contamination.
  - g. PP has proposed two storage rooms separately for treated and untreated waste.
- (ix) For control of air emission PP has proposed all necessary air pollution control devices quenching, venturi, alkali scrubber, mist eliminator etc. and put in place to ensure compliance of emission standards as prescribed in BMW Rules, 2016. Stack height shall be 30 m above the ground. Any dry, dusty materials stored in sealed containers or prevented from blowing.
- (x) 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. ACF Exhaust Resin and DG Set Oil shall be stored in leak proof containers under covered shed and will be disposed of through TSDF and authorized recyclers.
- (xi) PP has proposed disposal of hazardous waste as per Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and Bio medical waste as per Management and Handling) Rules, 2016.
- (xii) For firefighting PP has proposed to provide firefighting equipment at appropriate locations (sand bags, fire extinguishers etc.)

- (xiii) The source of electricity is Madhya Pradesh Kshetra Vidyut Vitran Company Limited. PP has also provided power back up by 01 No. DG set capacity of 1X 63 KVA.
- (xiv) PP has proposed to develop green belt area in 1 acre plot at least minimum of 33% planted as per CPCB guidelines with native species.
- (xv) Under CSR activities PP has proposed Installation of hand pumps for nearby villagers, health care checkup for workers and nearby villagers etc.

Based on the information submitted at Para i to xv above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 387<sup>th</sup> meeting held on 21.11.2016 and decided to accept the recommendations of 283<sup>rd</sup> SEAC meeting held on dtd. 27.10.2016.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14<sup>th</sup> September 2006 & its amendments to the Proposed "Common Biomedical Waste Treatment Facility" at Plot No. 55/5x, 2 Village - Godhan Tehsil - Chanderi, District- Ashok Nagar (M.P.), Existing area - 1.03 acres (0.418 ha) Proposed Capacity- 1.6 to 2.0 TPD by Ms. Pramila Sharma, CEO/General Manager, J.K. Medical Waste Management System, 208-Vaibhav, F-Block, Surendra Place, Bhopal (M.P)– 462026, subject to the compliance of the Standard Conditions enclosed at Annex-I and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

**A. Specific Conditions as recommended by SEIAA**

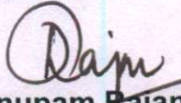
1. PP should install adequate ETP for treatment and disposal of effluent and Zero discharge should be maintained.
2. Process effluent/any waste water should not be allowed to mix with storm water.
3. Guidelines of CPCB/MPPCB for Bio-Medical Waste Common Hazardous Wastes Incinerators shall be followed.
4. No landfill site is allowed within the CBWTF site.
5. Incinerated ash shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the MPSEIAA prior to the commencement.
6. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furan.
7. Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials.
8. Necessary provision shall be made for fire fighting facilities within the complex.
9. PP should carryout periodical air quality monitoring in and around the site including VOC, HC.
10. PP should develop green belt all along the periphery of the species that are significant and used for the pollution abatement.
11. 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.
12. 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.

13. 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.
14. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
15. 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.
16. PP should ensure the traffic movement plan, parking facilities and road width.
17. PP should develop green belt at least minimum of 33% in an area of 1 acre plot as per CPCB guidelines with native species/Pollution absorbing species

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

18. Venturi scrubber (alkaline) should be provided with the incinerator with stack of adequate height (minimum 30 meters) to control particulate emission within 50mg/Nm<sup>3</sup>. Continuous Online Stack Monitoring System should be installed and data connectivity must be provided to the MPPCB's server.
19. All necessary air pollution control devises (quenching, Venturi scrubber, mist eliminator) should be provided for compliance of emission standards.
20. Masking agents should be used for odour control.
21. Waste water generated from the facility shall be treated in the ETP and treated waste water shall be reused in the APCD connected to the incinerator. The water quality of treated effluent shall meet the norms prescribed by MPPCB.
22. Feeding of materials/Bio-medical waste should be mechanized and automatic. No manual feeding is permitted.
23. As proposed, no effluent from facility shall be discharged outside the plant 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. Process effluent/any wastewater shall not be allowed to mix with storm water. Storm water drain shall be provided.
25. As proposed, green belt over 1407.23 sq. meter of the project area shall be developed within plant premises with wide green belt on all sides along the periphery of the project area. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
26. All the commitments made in the Public Hearing shall be implemented by PP and adequate budget provision shall be made accordingly.
27. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
28. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB.

29. All recommendations mentioned in the EMP shall be binding for the project authorities.
30. Magnetic flow meters shall be provided at the inlet and outlet of the ETP & all ground water abstraction points and records for the same shall be maintained regularly.
31. Operator and Facility should comply with the various provisions of Bio-Medical Waste Management Rules, 2016.
32. 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 addition with change in process and or technology and any change in product - mix in proposed mining unit shall require a fresh Environment Clearance.

  
(Anupam Rajan)  
Member Secretary

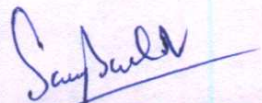
Endt No. <sup>4758</sup> / SEIAA/ 2016

Dated 14-12-16

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, MPPCB, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Ashoknagar, M.P.
- (5). The Principal Chief Conservator of Forest, Ground Floor, Satpuda Bhawan Bhopal (M.P.)
- (6). Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Chief Minister Office Madhya Pradesh Samadhan-online Serial no.11 ID-55/03062016/43(PSOL)dtd. 03.06.16.
- (9). Managing Director, MP Laghu Udyog Nigam, Panchanan Bhawan, Malviya Nagar, Bhopal(M.P).-for information
- (10). Guard file.

**Encl: Standard Conditions (Annex-I)**

  
(Dr. Sanjeev Sachdev)  
Officer-in-Charge

**Standard Conditions related to Activity 7 (da) - Bio-Medical Waste Treatment (BMW) Category B projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06**

Annex-I


1. Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006.
2. All activities / mitigative measures proposed by PP in Environmental Management Plan and approved by SEAC must be ensured.
3. All parameters listed in Environmental Monitoring Plan approved by SEAC must be monitored at approved locations and frequencies.
4. "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.
5. 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.
6. Guidelines of State Pollution Control Board (MPPCB) for Common Hazardous Wastes Incinerators shall be followed.
7. Incinerated ash shall be disposed at approved TSDF and MoU made in this regard shall be submitted to the Ministry prior to the commencement.
8. Periodical air quality monitoring in and around the site shall be carried out. The parameters shall include Dioxin and furans.
9. Use only low sulphur diesel. No other oil shall be used.
10. The proponent shall comply with the Environmental standards notified by Ministry of Environment, Forest & Climate Change for incinerators along with the technology/guidelines.
11. 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.
12. 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.
13. 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.
14. 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.

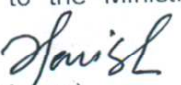
  
(Anupam Rajan)  
Member Secretary

  
(H.S. Verma)  
Member

  
(Waseem Akhtar)  
Chairman

15. 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.
16. Pizometric holes shall be identified/constructed in all directions for monitoring.
17. Guidelines published by the Central Pollution Control Board from time to time for common incineration facilities shall be referred for implementation.
18. 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.
19. The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.
20. The proponent should obtain necessary clearance from the Central Ground Water board Authority if required.
21. Project proponent should prepare and implement an On Site Emergency Management Plan.
22. Project proponent should carry out periodical ground water/soil monitoring in and around the site to check the contamination including TCLP test for heavy metals.
23. 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.
24. All measures for air pollution control shall be adopted.
25. There should not be any spillage from the transportation vehicles.
26. Zero discharge system shall be adopted.
27. Double containment system shall be provided for all waste transport vehicles to avoid spillage. The spillage shall be cleared immediately.
28. Vehicles should prominently display complaint numbers for use of public as well as antidotes to any toxic waste.
29. All the recommendations of EMP/DMP shall be strictly complied.
30. 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.
31. 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.
32. 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.

  
(Anupam Rajan)  
Member Secretary


  
(H.S. Verma)  
Member

  
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Chairman

Implementation of such program shall be ensured as office Memorandum dated 18.05.12 of MoEF, GoI and its amendments.

33. 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.
34. 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.
35. 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.
36. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
37. 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.
38. 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.
39. Environmental Management Information System shall be in position and maintained properly.
40. No further expansion or modifications in the project should be carried out without prior approval of the State Environmental Impact Assessment Authority (MP-SEIAA) .
41. 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.

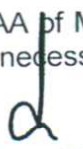
  
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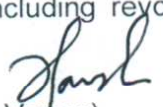
  
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(Waseem Akhtar)  
Chairman



42. 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.
43. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
44. 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.
45. 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.
46. 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.
47. 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.
48. 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.
49. 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/>.
50. 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.
51. 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.
52. 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

  
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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.

53. 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.
54. 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.
55. 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.
56. 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.
57. 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.
58. 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.
59. 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.

(Anupam Rajan)  
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