



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

Environmental Planning Coordination Organization (EPCO)
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No: 1393 /SEIAA/2017

Date: 19.12.12

To,
The Director,
Sagar MSW Solutions Private Ltd,
13th Floor, Ramky Grandiose Ramky Towers Complex,
Gachibowli Hyderabad,
Telengana – 500032

Sub:- Case No.5524/2017: Prior Environmental Clearance for proposed Development of an Integrated MSW Processing and Disposal Facility at Village- Maswasi Grant District- Sagar (MP) by Sagar MSW Solutions Private Ltd. through Director, Sagar MSW Solutions Private Ltd. 13th Floor, Ramky Grandiose, Ramky Towers Complex, Gachibowli Hyderabad, TS – 500032 email: monitoring-ec@nic.in Mobile: 08978756767 Env't. Consultant: Ramky Enviro Services Pvt. Ltd.

Ref: Your application dtd. 13.12.2016 received in SEIAA office on 23.02.2017


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 "Integrated Waste Management Facility" at Village- Maswasi Grant District- Sagar an area of 14.38 hectares ha. The land is allocated Nagar Palika Nigam Sagar. The project includes 10 other surrounding urban local bodies (ULBs) Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur located within 50 km radius from Sagar with an inter-ULB agreement for MSW Management.
- (ii) Sagar Municipal Corporation estimates that the current total waste generation (considering Sagar town and 10 surrounding ULBs together) to be about 200 TPD. However, considering the population projection and the waste generation forecast, it is proposed to establish the Integrated Waste Management Facility to handle about 350 TPD.
- (iii) The project is covered under 7(i) category B of the EIA Notification issued by the Ministry of Environment & Forest vide S.O.1533 (E), dated September 14, 2006 and its ammendments.

Case No. 5524/2017

Issued vide letter no. 1393-94 dated 19.12.12

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

 1 of 9

- (iv) There is no National park / Sanctuaries, Eco-sensitive areas (DFO letter dtd 21.01.17), 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 ammendments.
- (v) For Implementation of the proposed project PP has submitted concession agreement dtd 27.03.2015 between Nagar Palika Nigam Sagar, Ramky Enviro Engineers Limited and Sagar MSW Management private Limited. An Inter ULB agreement made between Sagar Municipal Corporation and 10 other participating ULBs entered into an inter-ULB agreement for MSW management to ensure compliance with SWM Rules, 2016.
- (vi) As per the land documents the land is the name of Nagar Palika Nigam Sagar.
- (vii) Public Hearing for the proposed project was conducted on 07 September 2017 at Village- Maswasi Grant District- Sagar, M.P under the Chairmanship of Add Collector, Sagar. Some issues regarding, environment pollution, employment to local people, education facility for children and fear of pollution emanating from the establishment of the dumping site area were raised during the Public Hearing which were addressed by PP.
- (viii) The water requirement for operating the proposed project is about 25 KLD. The source of fresh water is proposed to be met from Municipal Corporation Sagar as well as supplementing external tankers also.
- (ix) The waste water generation would be around 12.0 KLD and the wastewater shall be treated in treatment plant and the treated wastewater shall be reused in incinerator/landfill/greenbelt etc
- (x) PP has proposed Zero Liquid Discharge (ZLD) system, neither surface water nor ground water will have any impact. No negative impacts on water bodies/ rivers/ ponds have been envisaged. Runoff water from the site gets collected in a tank and if there is any overflow will be diverted to greenbelt. Leachate/runoff water will not be let out from the premises.
- (xi) For prevention of pollution PP has proposed regular water sprinkling, tree plantation, incinerator with 30 m stack height, air pollution control devices such as spray dryer, venture scrubber, wet scrubber etc, Adequate measure for leachate and storm water management.
- (xii) PP has proposed solar powered internal lighting. Equipment to be utilized shall be energy efficient. Appropriate area allocated for vehicle parking.
- (xiii) The project solid waste will be treated in the proposed MSW facility. There will not be any hazardous waste entering into the proposed MSW facility. However, waste oil from DG set will be sent to local approved recyclers.
- (xiv) Maximum segregation shall be made at source through extensive awareness programme for recovery of recyclables. In addition in the Material Recovery Facility (MRF), recyclables shall be recovered through manual sorting, trammels, magnetic separators etc.
- (xv) Based on the waste characteristics in the service area, PP has proposed dry fermentation (anaerobic digestion), Compost plant (aerobic digestion), Refuse Derived Fuel(RDF) facility and Material Recovery Facility(MRF) etc.
- (xvi) The dead animals are picked up and transported in a separate vehicle and will be brought to the ISWM facility and directly sent to the animal carcass incinerator, where controlled incineration methodology will be used to incinerate the animal carcass.

- (xvii) Collection of runoff water in working pit shall be used to irrigate greenbelt plantation.
- (xviii) Leachate shall be collected into leachate wells, sprayed back into the landfill, excess shall be disposed into spray drier of incinerator. No direct discharge of wastewater to be made to surface water, groundwater or soil.
- (xix) For storm water management PP has proposed the following:-
- (a) Storm water will be diverted around the landfill site via perimeter drains which will direct storm water to an onsite storage tank.
 - (b) The onsite storage tanks and perimeter drains are sized to contain runoff.
 - (c) All measures will be taken to ensure leachate and storm water do not get in direct contact. No leachate will be mixed with storm water.
 - (d) Storm water will be diverted from resource recovery facilities and composting operation to avoid contamination of surface water from composting waste material and waste stockpiles.
- (xx) The expected air pollution sources are emissions from the incinerator & DG sets. For control of air pollution PP has proposed venturi scrubber followed by flooded scrubber, wet scrubber.
- (xxi) PP has proposed to construct concreted/asphalted Internal roads to reduce dust emission and tree plantation around the project boundary.
- (xxii) The ash generated from the incinerator will be used as a daily cover for landfill along with soil and mud and Sludge generated in leachate pond would be sent to landfill.
- (xxiii) No hazardous materials and hazardous wastes / bio-medical waste shall be transported along with the domestic waste.
- (xxiv) For firefighting PP has proposed to provide firefighting equipment at appropriate locations ABC type fire extinguisher (5 Kgs, 2 Kgs), Foam type fire extinguisher 50 Ltrs, CO2 type fire extinguisher 4.5 Kgs, Hydrant Post , 10 liter sand bucket, Hose reel Trailer driven pump etc.
- (xxv) The energy requirement for operating the proposed Integrated MSW Processing and Disposal Facility is about 0.5 MW. The electricity requirement will be fulfilled by MPTRANSCO. Sufficient capacity DG Sets (750 KVA) are proposed for power backup.
- (xxvi) PP has proposed to develop green belt in an area of 11.73 acres with a width of 10 m all along the boundary and thick greenbelt in the entire stretch from the village road to the proposed site and also in all open areas.
- (xxvii) Under revised CSR activities PP has proposed Installation of hand pumps, Infrastructure development of schools like drinking water provision and sanitation facility, health immunization camps, construction of 15 toilets in the needy villages. Apart of these PP has also proposed to construct total of 150 toilets in the project area targeting poorest and marginalized/backward households. For Implementation of these activities PP has earmarked the fund of **Rs. 250.5 Lakhs** i.e. 5% of the project cost. This fund shall be utilized over a period of 3 years. Thereafter the company shall allot 2% of the annual profit towards the same.

Based on the information submitted at Para i to xxvii above and others, the State Level Environment Impact Assessment Authority (SEIAA) considered the case in its 459th meeting held on 05.12.2017 and decided to accept the recommendations of 297th SEAC meeting held on dtd. 08.11.2017.

Hence, Prior Environmental Clearance is accorded under the provisions of EIA notification dtd. 14th September 2006 & its amendments to the Proposed " Development of an Integrated MSW Processing and Disposal Facility at Village- Maswasi Grant District- Sagar (MP) by Sagar MSW Solutions Private Ltd. through Director Sagar MSW Solutions Private Ltd 13th Floor, Ramky Grandiose Ramky Towers Complex, Gachibowli Hyderabad, – 500032 (Telangana) 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 ensure to make arrangement for fulfillment the requirement of water in consultation with GGWA.
2. PP should ensure proper segregation before dumping the waste on the site. No hazardous waste/bio medical waste shall be allowed to be dumped on the MSW landfill site
3. PP should ensure periodic odour monitoring in and around the site, and adopt ecosorb spray to minimize the odour nuisance.
4. Proper road network with concrete road and parking facility should be provided for employees and vehicles being used for collection & disposal of MSW.
5. PP should ensure to develop green belt in an area of 11.73 acres with a width of 10 m all along the boundary and thick greenbelt in the entire stretch from the village road to the proposed site and also in all open areas as proposed.
6. Waste segregation technology should be explored on the project site.
7. If Bio medical/hazardous waste is found mixed with MSW, then it should be disposed as per Hazardous/Bio Medical Waste Management Rules.
8. No Burning of waste shall be allowed at the MSW site.
9. 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.
10. PP should ensure harnessing of roof water through recharging pits.
11. PP should establish a lab to monitor air emissions, spot noise level recording, gas quality for landfill area, stack emissions, waste discharge, ground water quality, soil quality etc.
12. A display board should be installed at the entrance gate of the MSW site to provide daily information of the quantity of MSW received during the day and lab analysis report on air, water, noise and odour.
13. Under CSR activities PP has proposed budgetary provision of Rs. 250.5 lakh upto three years, the details of activities under CSR should be finalized in consultation with the District Administration.

B. Specific Conditions as recommended by SEAC

14. The EC shall be valid for establishing an Integrated MSW Processing and Disposal Facility (350 TPD) at Maswasi Grant Village, Sagar District, Madhya Pradesh for efficient processing and disposal of 350 TPD of waste generated from Sagar and 10 other surrounding ULBs (Makronia, Banda, Khurai, Rehli, Grahakota, Bina, Deori, Rahatgarh, Shahgarh and Shahpur) with following facilities:

- Material Recovery Facility (30 TPD)
- Dry Fermentation (80 TPD)
- Aerobic Composting (80 TPD)
- Refuse Derived Fuel (RDF) Facility (160 TPD)
- Sanitary Landfill (70 TPD)
- Animal Carcass Incineration (5 TPD)

PRE-CONSTRUCTION PHASE

15. During any construction/plant erection activity, curtaining of site should be carried out to protect nearby areas.

16. For dust suppression, regular sprinkling of water should be undertaken.

17. The entire area should be covered with 03 meters MS sheets and due care should be taken for noise and vibration control during construction work.

18. PP will obtain other necessary clearances/NOC from respective authorities.

19. 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.

CONSTRUCTION PHASE

20. PPE's such as helmet, ear muffs etc should be provide to the workers.

21. Fire extinguishers should be provided on site during construction period.

22. Black carpet road should be provided to reduce dust suppression.

23. All vehicles carrying raw material should be covered with tarpaulin and unloading/loading activities should be stopped during windy period.

24. During construction phase, a settling tank should be provided and settled water should be reused for construction purpose.

25. Properly tuned construction machinery and good condition vehicles (low noise generating and having PUC certificate) should be used.

26. 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.

27. The landfill facility shall be developed as per the proposal submitted by PP with 1.5 mm thick HDPE liners, Geo-textile media, Drainage media, Gas evacuation system and leachate collection system. For disposal of animal carcass, an

incinerator of 05 TPD should be provided. Incinerator (for animal carcass), sanitary landfill and all other facilities shall be installed/developed as per the CPCB guidelines.

28. Peripheral plantation 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 landscape plan & EMP 11.73 acer's area will be developed as green belt. PP will also make necessary arrangements for the causality replacement and maintenance of the plants.
29. CFL/LED should be preferred over of tube lights. PP should explore the possibility of providing solar street light.
30. Provision for physically challenged persons be made so that they easily excess pathway/derive way for their vehicles.
31. 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.

POST CONSTRUCTION/OPERATIONAL PHASE

32. Land use breakup details as proposed by PP for this facility are as follows:

S. No	Description	Area in acres	Percentage %
1.	Landfill (Phase - I)	2.92	8.22
2.	Landfill (Future Expansion)	10.93	30.73
3.	Compost Plant/RDF Facility	3.39	9.55
4.	Supporting Infrastructure	0.76	2.15
5.	Roads and Drains	2.53	7.11
7.	Green Belt	11.73	33.00
8.	Open Area	3.27	9.24
Total Area of Facility		35.53	100

33. As proposed, the sewage and waste water shall be treated in STP and treated waste water should be used in green belt.
34. The PP will establish the adequate leachate treatment facilities to achieve the M.P. Pollution Control Board (MPPCB) zero discharge norms. As proposed, no effluent/leachate 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.
35. Treated leachate shall be sprayed on landfill for dust control, keep the windrows dry and excess leachates shall be utilized in spray drier. Regular leachate quality monitoring shall be carried out for relevant parameters and the monitored data along with the statistical analysis and interpretation should be submitted to the MPPCB.

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. Spraying of "Ecosorb" should be performed on regular intervals to avoid any odour nuisance.
38. 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.
39. The PP should comply with the provisions made in Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016.
40. 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.
41. No hazardous and biomedical waste should be disposed off in this facility.
42. As proposed, 11.73 acer's of the project area shall be developed as green belt within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area and along road sides etc. Selection of plant species shall be as per the CPCB guidelines and in consultation with the DFO.
43. All the commitments made in the Public Hearing shall be implemented by PP.
44. Proper fire fighting arrangements in consultation with the fire department should be provided against fire incident.
45. Fund should be exclusively earmarked for the implementation of EMP through a separate bank account.

ENTIRE LIFE OF THE PROJECT

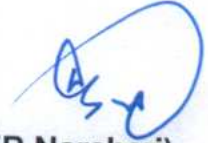
46. The proposed EMP cost is Rs. 04.00 Crores and Rs. 00.36 Crores/year are proposed as recurring expenses out of which Rs. 00.50 Crores is proposed for green belt development and Rs. 00.06 Crores /year for recurring expenses for plantation in the proposed EMP of this project.
47. As proposed, the green 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.
48. Regular monitoring of Air, Noise, Waste Water, Solid Waste/Hazardous Waste, Ground Water and Soil etc. shall be carried out as per the norms prescribed by the M. P. Pollution Control Board.
49. The environment policy of the company should be framed as per MoEF&CC guidelines and same should be complied and monitored through monitoring cell. In case the allocated EMP budget for mitigative measures to control the pollution is not utilized fully, the reason of under utilization of budgetary provisions for EMP should be addressed in annual return.
50. The environmental policy with Environmental Management Cell should be prepared 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. PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
52. Necessary consents shall be obtained from MPPCB and the air / water pollution control measures have to be installed as per the recommendation of MPPCB. All recommendations and pollution mitigative measures proposed in the EMP shall be binding for the project authorities.
53. 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.
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. Atleast two on-line continuous ambient air quality monitoring stations on suitable locations should be provided and data connectivity must be provided to the MPPCB's server for remote operations and data should also be displayed on the main entry gate of the facility. The ambient air quality shall also be monitored in and around the facility area and results shall be submitted to the MPPCB. The locations for the ambient air quality monitoring shall be fixed and reviewed in consultation with the MPPCB.
56. 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.
57. Pucca flooring / impervious layer shall be provided in the work areas, chemical/waste oil storage areas and chemical handling areas to minimize soil contamination.
58. 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. The storm water drains shall be kept separate and shall remain dry throughout the year except monsoon.
59. Peripheral plantation of 10 meter all around the project boundary shall be carried out using tree plants of large canopy. Green area at the site will be maintained by the project proponents, which would have an overall cooling effect on the surroundings. As proposed by the PP, 110 meters front area of facility phasing road should be developed as green belt.
60. The PP should also explore the possibility of Vermicomposting within the premises.
61. The project authorities should comply with the provisions made in the Hazardous Waste (management, handling & Trans-boundary Movement) Rules 2016, Plastic Waste Management Rules 2016, e-waste (Management) Rules, 2016, Construction and Demolition Waste Management Rules, 2016 and Solid Waste Management Rules, 2016 etc.

62. 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.
63. 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 mining unit shall require a fresh Environment Clearance.


1394
Endt No. / SEIAA/ 2017
Copy to:-

Dated 19.12.12


(P. Narahari)
Member Secretary

- (1). Principal Secretary, Urban Development & Environment Deptt. 3rd Floor, Mantralaya Vallabh Bhawan, Bhopal.
- (2). Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution Control Board, Paryavaran Parisar, E-5, Arera Colony Bhopal-462016.
- (3). Member Secretary, MPPCB, Paryavaran Parisar, E-5, Arera Colony, Bhopal-462016.
- (4). The Collector, District Sagar, M.P.
- (5). The Principal Chief Conservator of Forest, Ground Floor, Satpuda Bhawan Bhopal (M.P.)
- (6). Director, I.A. Division, Monitoring Cell, MoEF, GoI, Ministry of Environment & Forest Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi – 110 003
- (7). Director (S), Regional office of the MOEF, (Western Region), Kendriya Paryavaran Bhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.
- (8). Guard file.

Encl: Standard Conditions (Annex-I)

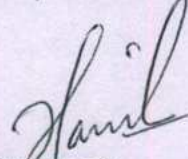

(Dr. Sanjeev Sachdev)
Officer-in-Charge

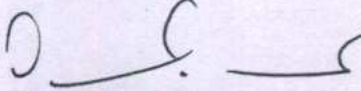
Standard Conditions related to Activity 7 (i) - Common Municipal Solid Waste Management Facility (CMSWMF) Category B Projects under the Schedule of Ministry of Environment and Forests, GoI Notification dtd 14-09-06

Annex-I

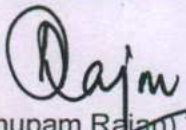
1. Any enhancement of capacity, change in technology, modernization and scope of working shall again required prior environmental clearance as per EIA notification, 2006. No further expansion or modifications in the project should be carried out without prior approval of the State Environmental Impact Assessment Authority.
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 to Establishment" shall be obtained from the MPPCB under the Air (Prevention and control of Pollution) Act, 1981 and Water (Prevention and control of Pollution) Act, 1974 and a copy shall be furnished to the MPSEIAA, before taking up any construction activity at the site.
5. Transportation and handling of Hazardous Wastes shall be as per the Hazardous Wastes (Management, Handling and Trans-boundary Movement) Rules, 2008 including the section 129 to 137 of Central Motor Vehicle Rule, 1989 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. Air pollution control device viz. gas chamber, treatment with mixture of hydrated lime and activated powder for adsorption of partial acidity and VOCs (if any), bag filter/ESP for removal of particulate matter, ventury scrubber followed by packed bed scrubber with caustic circulation to neutralize the acidic vapor in flue gas and demister column for arresting water carry over will be provided to the incinerator.
8. Online pollutant monitoring shall be provided as per CPCB/MPPCB guidelines for monitoring particulate matter, SO₂, NO_x, and CO from incinerator stack. The Periodical monitoring of Dioxin and Furans in the stack emission shall be carried out. Efficiency of scrubber shall be monitored regularly and maintained properly.
9. Necessary provision shall be made for firefighting facilities within the complex.
10. Use only low sulphur diesel. No other oil shall be used.
11. The proponent shall comply with the Environmental standards notified by Ministry of Environment, Forest & Climate Change for incinerators along with the technology / guidelines.
12. The Project Proponent should carryout periodical air quality monitoring in and around the site including VOC, HC.

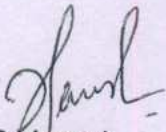

(Anupam Rajan)
Member Secretary

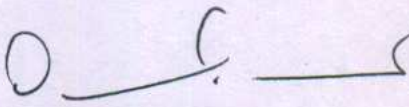

(H.S. Verma)
Member


(Waseem Akhtar)
Chairman

13. The Project Proponent should develop green belt all along the periphery of the project site with plant species that are significant and used for the pollution abatement. The green belt area shall not be used for any other purpose.
14. 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.
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. Guidelines published by the Central Board from time to time for common incineration facilities shall be referred for implementation.
17. 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.
18. The gas generated from the Landfill facility shall be collected and disposed as per rules.
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 Authority.
21. The depth of the land fill should be decided based on the ground water level at the site.
22. Project proponent should prepare and implement an On Site Emergency Management Plan.
23. 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.
24. Rain water runoff from the landfill area and other hazardous waste management area shall be collected and diverted to the leachate treatment plant.
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.

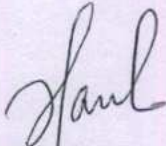

(Anupam Rajan)
Member Secretary

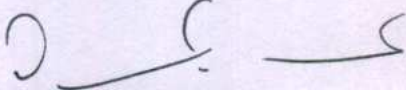

(H.S. Verma)
Member


(Waseem Akhtar)
Chairman

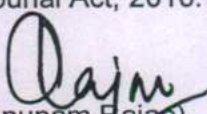
31. All the commitment made regarding issues raised during the public hearing / consultation meeting shall be satisfactorily implemented. Item-wise details along with time bound action plan should be prepared and submitted to the Ministry's Regional Office at Bhopal.
32. The Project proponent will take 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.
33. The project proponent should set up necessary facility for onsite testing of wastes to decide the requirement of treatment if any, before disposal.
34. 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.
35. 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.
36. 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.
37. 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.
38. Environmental Management Information System shall be in position and maintained properly.
39. 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.
40. 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.
41. In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest & Climate Change.
42. Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.

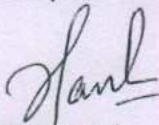

(Anupam Rajan)
Member Secretary

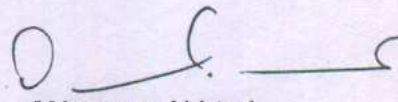

(H.S. Verma)
Member


(Waseem Akhtar)
Chairman

43. 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.
44. 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.
45. 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.
46. 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.
47. The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the State Level Environment Impact Assessment Authority (SEIAA) website at www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF & CC Gol, Bhopal.
48. 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/>.
49. 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.
50. 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.
51. 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.
52. 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.
53. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

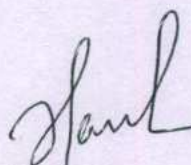

(Anupam Rajan)
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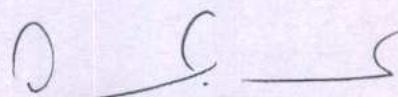

(H.S. Verma)
Member


(Waseem Akhtar)
Chairman

54. 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.
55. 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 pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
56. 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.
57. 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)
Member Secretary


(H.S. Verma)
Member


(Waseem Akhtar)
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