



STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY PUNJAB

Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215636

No. SEIAA/M.S./ 2282

Dated: 4.04.2016

To

M/s Med Waste Solutions (P) Limited.,
Village Bedowali,
Tehsil Gidderbaha, District Sri Muktsar Sahib.

Subject: Application for issuance of ToRs for EIA study report to be submitted for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for installation of Common bio-medical waste treatment, storage and disposal facilities (TSDFs) in the revenue estate of Village Bedowali, Tehsil Gidderbaha, Muktsar by M/s Med Waste Solutions (P) Limited-Online Proposal No. SIA/PB/MIS/9506/2016.

This has reference to your application for issuance of ToRs for EIA study report to be submitted for obtaining Environmental Clearance under EIA notification dated 14.09.2006 for installation of Common bio-medical waste treatment, storage and disposal facilities (TSDFs) in the revenue estate of Village Bedowali, Tehsil Gidderbaha, Muktsar.

The case was considered by the SEAC in its 142nd meeting held on 11.03.2016 and categorized the project as category 7 (da) and finalized and recommended "Terms of Reference" for preparation of the draft Rapid EIA report.

The case was considered by the SEIAA in its 105th meeting held on 01.04.2016 and decided to accept the recommendations of SEAC and to issue following Terms of References to the project proponent, as proposed by the SEAC:

1. Executive summary of the project – giving a prima facie idea of the objectives of the proposal, use of resources, justification, etc. In addition, it should provide compilation of EIA report including EMP.
2. Justification for selecting the proposed capacity of the incineration facility.
3. Establishment of the facility as per Bio Medial Waste (Management & Handling) Rules 1998.
4. Land requirement for the facility including its break up for various purposes, its availability and optimization.
5. Details of proposed layout clearly demarcating various activities such as security, Waste Storage Rooms, Waste Treatment Equipment Rooms/Areas, Treated Waste Storage Room, Pollution Control Devices like APCS and ETP, ash storage/disposal area, vehicle washing areas, and others such as admin area, worker's room, health centers, greenbelt, etc.
6. The project proponent may add additional project activities and environmental aspects, if any, fill the impact matrix and carryout significance analysis for identifying the significant environmental aspects.

Scale, sensitivity and duration of impacts; type, size and frequency of environmental aspects; applicable legal requirements; and concerns of interested parties and local public may be used as the basis for the significance analysis of the environmental aspects.

7. Details on collection and transportation of Bio Medical Waste from health care establishments. No. of vehicles and feature of vehicles, etc.
8. Details of waste storage facilities/rooms at site.
9. Details of the treatment equipment's capacity and make.
10. Details of the incineration system – a statement on the compliance to the CPCB guidelines for common bio medical waste incinerators in respect of waste feed cutoffs, operating parameters of combustion chambers, flue gas cleaning, ash handling, etc.
11. Details on monitoring of pollutants at source –performance of the incinerator. including operating hours, fuel consumption, operating parameters (Combustion chamber – temperature, pressure, Stack temperature, total particulate matter, HCl, NOx as per Bio Medial Waste (Management & Handling) Rules 1998.
12. Details of flue gas emissions discharge through stack and proposed pollution control technologies.
13. Details of the online monitoring systems to be provided for incinerator as per the CPCB guidelines.
14. Details of residue/ash generation and management.
15. Details of waste heat utilization, if any
16. Details of wastewater management including pollution control technologies.
17. Details of the proposed overall safety and health protection measures.
18. Details of source of water and power to the facility.
19. Details of the existing access road(s)/walkways to the designed operations in the site and its layout.
20. The study area shall be up to a distance of 05 km from the boundary of the proposed project site.
21. Location of the incineration facility and nearest habitats with distances from the facility to be demarcated on a toposheet (1: 50000 scale).
22. Landuse map based on satellite imagery including location specific sensitivities such as national parks / wildlife sanctuary, villages, industries, etc.
23. Topography details including contour map
24. Baseline data to be collected from the study area w.r.t. different components of environment viz. air, noise, water, land, and biology and socio-economics. Actual monitoring of baseline environmental components shall be strictly according to the parameters prescribed in the ToR after considering the proposed coverage of parameters by the proponent in draft ToR and shall commence after finalization of ToR by the competent Authority.
25. Surface water quality of nearby water bodies.
26. Details on proposed groundwater monitoring wells, locations, frequency of monitoring, parameters, etc.
27. One season site-specific meteorological data excluding monsoon.
28. Existing ambient air quality, expected emissions and evaluation of the adequacy of the proposed pollution control devices to meet the standards for point sources and to meet AAQ standards.
29. Ecological status (terrestrial and aquatic) of the study area such as habitat type and quality, species, diversity, rarity, fragmentation, ecological linkage, age, abundance, etc.

30. If any incompatible land use attributes fall within the study area, proponent shall describe the sensitivity (distance, area and significance) and propose the additional points based on significance for review and acceptance by the SEAC. Incompatible land use attributes include:
 - Public water supply areas from rivers/surface water bodies, from ground water
 - Scenic areas/tourism areas/hill resorts
 - Religious places, pilgrim centers that attract over 10 lakh pilgrims a year
 - Protected tribal settlements (notified tribal areas where industrial activity is not permitted)
 - Monuments of national significance, World Heritage Sites
 - Cyclone, Tsunami prone areas (based on last 25 years)
 - Airport areas
 - Any other feature as specified by the State or local government and other features as locally applicable, including prime agricultural lands, pastures, migratory corridors, etc.
31. Anticipated generic environmental impacts due to incineration may be evaluated for significance and based on corresponding likely impacts, Valued Environmental Components (VECs) may be identified. Baseline studies may be conducted for all the concerned VECs and likely impacts will have to be assessed for their magnitude in order to identify mitigation measures.
32. Action plan for the greenbelt development in accordance to CPCB published guidelines.
33. Comparison of alternate sites, if any, considered and the reasons for selecting the proposed site. Conformity of the site with the prescribed guidelines and rules.
34. Details on monitoring of pollutants at receiving environment for all the notified parameters of ambient air quality and also for the notified stack emissions in the ambient air, groundwater, surface water, soil samples at likely contamination sites.
35. Stack and fugitive emissions may be monitored for SPM, HCL & NO_x as per Bio Medial Waste (Management & Handling) Rules 1998.
36. Details of the proposed overall safety and health protection measures during the project design, construction and operation phases including specific programme to monitor safety and health protection of workers.
37. Details of Administrative and technical organizational structure.
38. EMP devised to mitigate the adverse impacts of the project should be provided along with item-wise cost of its implementation (Capital and recurring costs).
39. Details of the risk assessment, emergency preparedness plan and on-site & off-site disaster management plan during different phases of the project.
40. The prescribed TORs would be valid for a period of three years for submission of the EIA/EMP reports, as per the O.M. No. J-11013/41/2006-IA.II(I) Part dated 08.10.2014.

The project proponent should prepare draft rapid EIA / EMP Report for its project based on above Terms of Reference and apply to the Member Secretary, Punjab Pollution Control Board for conducting public hearing as per the provisions of EIA Notification, 2006 as amended from time to time on submitting EIA / EMP / Executive Summary Report prepared by the project proponent as per TORs.

After completing the process of public hearing / public consultation, the industry shall submit final EIA / EMP to the State Expert Appraisal Committee after incorporating all the issues raised during public hearing / public consultation for Appraisal of its project.

Sd/-

Member Secretary (SEIAA)

Endst. No. 2283-85

Dated 4.04.2016

A copy of the above is forwarded to the following for information and necessary action:-

1. The Secretary to Govt. of India, Ministry of Environment & Forests, Govt. of India, CGO Complex, Lodhi Road, New Delhi.
2. The Director, Northern Regional Office, Ministry of Environment & Forests, Bays No. 24-25, Sector 31-A, Dakshin Marg, Chandigarh.
 - a) Name of the applicant Sh. H.S. Jatana, Director
 - b) Mobile Number 094171-71511
3. The Environmental Engineer (Computers), Punjab Pollution Control Board, Head Office, Patiala. He is requested to display the approved 'Terms of Reference' given to the project proponent on the website of State Environment Impact Assessment Authority.

Sd/-

Member Secretary (SEIAA)