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No. 10-10/2007-IA-III
Government of India
Ministry of Environment & Forests,
(IA Division)

Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi - 110 003.

Dated: 17th March, 2009.

To
The Commissioner,
Municipal Corporation of Greater Mumbai,
Mahapalika Marg,
Mumbai-400 001.

Subject: Environmental Clearance for the development of
Sanitary Landfill and waste composting unit at Kanjur,
Mumbai by Municipal Corporation of Greater Mumbai -
Reg.

This has reference to your application No: MCGM/6164 dated 07.02.2007 from the Commissioner, MCGM, letter No. D.O.TPB/4308 / 1261/171/08/UD-II dated 09.06.2008 from Principal Secretary, Urban Development Department, Government of Maharashtra, letter No. MCZMA-2007/CR-7/TC2 dated 20.10.2008 and 12.11.2008 from Secretary, Environment Department, Government of Maharashtra / Chairman, Maharashtra Coastal Zone Management Authority seeking prior Environmental Clearance for the above project under the EIA Notification - 2006 and Coastal Regulation Zone Notification, 1991. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification - 2006 and Coastal Regulation Zone Notification, 1991 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 27th - 29th December 2007, 21st - 22nd August 2008.

2. It is interalia, noted that the project involves the construction of MSW processing facility (windrow composting for processing 4000 TPD), construction of sanitary landfill including landfill gas collection system, leachate collection and treatment. The site is located between 19°3'29"N 19°4'9"N Latitude and 72°55'13"E - 72°56'13"E longitude at Kanjur. The various components of the facility includes material intake system, pre-processing system, yard management activities, material stabilization, core segregation section, curing section, refinement section, grinding section, packing and storage system. Total land area proposed for the project is 141.77 ha., out of which 52.5 ha. (37% of site area) falls under Coastal Regulation Zone-III and 86.72 ha. area is free from Coastal

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Regulation Zone. 20.76 ha of area is affected by mangroves. Balance area available for project development is 65.96 ha. The total cost of the project is Rs.174 crores.

3. Maharashtra State Coastal Zone Management Authority had cleared and recommended the proposal to Ministry of Environment and Forests vide letter dated 10.12.2007 for the entire area of 141.77 ha. The public hearing was held on 8.6.2007 for the project.

4. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for grant of Environmental Clearance on an area of 65.96 ha. for the project to be development in two phases. In the phase-I, the proposed composting could be carried out while, in phase-II, the Govt. of Maharashtra would also explore the possibility of utilizing the MSW for generating energy. This needs a serious effort from Govt. of Maharashtra as the composting technology will not be long lasting and there are several inbuilt risks. The energy recovery system from MSW would be a long lasting project and it would be an economically and environmentally safe and viable project. Accordingly, the Ministry hereby accord necessary Environmental Clearance for the above project on an area of 65.96 ha. only as per the provisions of Environmental Impact Assessment Notification - 2006 and Coastal Regulation Zone Notification, 1991 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

5. Specific Conditions :

- (i) The composting plant / Landfill facility shall be located outside the Coastal Regulation Zone area.
- (ii) The other allied facilities such as roads, conveying systems etc., can be located on the Coastal Regulation Zone area.
- (iii) It shall be ensured that no mangroves are destroyed during construction and operation of.
- (iv) The project proponent shall ensure the alternative options such as RDF manufacturing, incineration etc., for obtaining energy and a detailed proposal in this regard shall be drawn up and submitted to the Ministry within 2 years.
- (v) The gas generated from the Landfill facility shall be collected and disposed as per rules
- (vi) The Leachate from the facility shall be collected and treated to meet the prescribed standards before disposal.



102

- (vii) Project proponent should obtain necessary Authorization / Consent from Maharashtra Pollution Control Board There shall be no drawal of ground water in CRZ area.
- (viii) The proponent should ensure that the project fulfills all the provisions of Municipal Solid Wastes (Management and Handling) Rules, 2000 including collection and transportation design of landfill etc.
- (ix) The proponent should obtained necessary clearance from the Ground Water Authority.
- (x) The depth of the land fill should be decided based on the ground water level at the site.
- (xi) Incineration of wastes should not be carried out at the proposed project site.
- (xii) Project proponent should prepare and implement an On Site Emergency Management Plan.
- (xiii) Project proponent should carryout periodical ground water/soil monitoring in and around the site to check the contamination.
- (xiv) Project proponent should develop green belt all along the periphery of the site with plant species that are significant and used for the pollution abatement.

6. General Conditions :

- (i) The project proponent should set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.
- (ii) The project proponent should extend full support to the officers of this Ministry/Regional Office during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhopal regarding the implementation of the stipulated conditions.
- (iv) The Ministry 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

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ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

- (v) In the event of a change in project profile or change in the implementation agency, a fresh clearance shall be obtained from the Ministry of Environment and Forests.
- (vi) A copy of the clearance letter will be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.
- (vii) The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.
- (viii) Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries centre and Collector's Office / Tehsildar's office for 30 days.

7. 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 Municipal Solid Wastes (Management and Handling) Rules, 2000 including the amendments and rules made thereafter.

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

9. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Maharashtra Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.

10. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.




11. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

12. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.

(Bharat Bhushan)
Director (IA-III)

Copy to:

1. The Secretary, Department of Environment, Govt. of Maharashtra, Mantralaya, Mumbai - 400 032.
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chairman, Maharashtra Coastal Zone Management Authority, Room No.217 (Annexe), Mantralaya, Mumbai - 400 032.
4. The Chairman, Maharashtra Pollution Control Board,
5. The Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No. 3, Ravishankar Nagar, Bhopal - 462016 (M.P.)
6. Guard File.
7. Monitoring Cell.


(Bharat Bhushan)
Director (IA-III)

17.03.2008