

No. SEIAA: 116 : IND: 2008
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY, KARNATAKA.

(Constituted by Ministry of Environment & Forests, Government of India)

Department of Ecology and Environment
Room No.709, 7th Floor, IV-Gate,
M.S. Building, Bangalore-560 001.

Date: 11th December 2009.

To

The Commissioner City Corporation,
City Corporation, Swamy Vivekananda Marg,
Belgaum-590 001.

Sir,

Sub: Development of Integrated Municipal Solid Waste
Management facilities of capacity 100 TPD at
Sy. No. 19, 40/1/2, 42, Vengurla Road, Turumuri
Village, Belgaum of M/s. Ramky Enviro Engineers
Ltd - Issue of Environmental Clearance- reg.

This has reference to your applications No. REEL/MSW/08/12/26 dated: 26.12.2008 and addressed to SELAA seeking prior environmental clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of the provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., the Form 1 and the additional clarifications furnished in response to the observations of the SEAC, Karnataka. SEAC has recommended for issue of environmental clearance in its meetings held on 21.03.2009 & 01.08.2009.

2. The proposal is for Development of Integrated Municipal Solid Waste Management facilities of capacity 100 TPD. The total area earmarked for the project is 26.7 Ha out which 1.0 ha area is for compost plant area, 2.4 ha area is for secured land fill area, 1.0 ha area is for leachate treatment plant, 4.8 ha area is for old land fill area (4 Nos), 2.0 ha area is for roads, buildings, etc, 4.0 ha area is for green belt and 11.5 ha area is for future expansion. The total quantity of solid waste to be handled is 100 TPD. The total water consumption is 20 KLD. The total cost of the project is Rs. 3.47 Crores.

3. The SEIAA Karnataka has considered the project in its meeting held on 19.09.2009 & 07.11.2009 and after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations have accorded environmental clearance as per the provisions of Environmental Impact Assessment Notification-2006, subject to strict implementation of the following terms and conditions:-

Part A- SPECIFIC CONDITIONS

1. Project Authorities shall ensure transportation, segregation and composting in accordance with the Municipal Solid Wastes (Management and Handling) Rules 2000.
2. The entire project area shall be properly fenced.
3. Final disposal measures - municipal solid wastes should prevent contamination of ground water, surface water and ambient air quality.
4. Facility for land filling should be designed with protective measures against pollution of ground water, surface water and air fugitive dust, wind-blown litter, bad odour, fire hazard, bird menace, pests or rodents, greenhouse gas emissions, slope instability and erosion.
5. Proper mechanism should be adopted for extraction leachate.
6. Transportation of MSW from place to place hygienically through specially designed transport system so as to prevent foul odour, littering, unsightly conditions and accessibility to vectors.
7. Bio-medical waste and industrial wastes shall not be mixed with MSW and such wastes shall follow the rules separately specified for the purpose.
8. Wastes from slaughter houses, meat and fish markets, fruits and vegetable markets, which are biodegradable in nature shall be managed to make use of such wastes;
9. Collected waste from residential and other areas shall be transferred to community bin by hand driven containerised carts or other small vehicles;
10. Horticultural and construction or demolition wastes or debris shall be separately collected and disposed off following proper norms. Similarly, wastes generated at dairies shall be regulated in accordance with the State laws;
11. Garbage, dry leaves shall not be burnt;
12. Stray animals shall not be allowed to move around waste storage facilities or at any other place in the city or town and shall be managed.
13. Manual handling of waste shall be prohibited. If unavoidable due to constraints, manual handling shall be carried out under proper precaution with due care for safety of workers.

14. Vehicles used for transportation of wastes shall be covered. Waste should not be visible to public, nor exposed to open environment preventing their scattering. The following criteria shall be met, namely:-
 - i. The storage facilities set up by municipal authorities shall be daily attended for clearing of wastes. The bins or containers wherever placed shall be cleaned before they start overflowing;
 - ii. Transportation vehicles shall be so designed that multiple handling of wastes, prior to final disposal, is avoided.
15. The biodegradable wastes shall be processed by composting, vermicomposting, anaerobic digestion or any other appropriate biological processing for stabilization of wastes. It shall be ensured that compost or any other end product shall comply with standards as specified in Schedule-IV of MSW Rules.
16. Water sprinklers shall be provided for controlling fugitive dust.
17. First aid and sanitation arrangements shall be made for the drivers and other contract workers.
18. Regular monitoring of the ambient air quality and water quality shall be carried out in monitoring stations and frequency of monitoring shall be decided in consultation with the State Pollution Control Board. Periodic reports shall be submitted to the SEIAA Karnataka, Department of Ecology and Environment, Government of Karnataka, Bangalore/ KSPCB.
19. Green belt shall be developed in at least 33% of the total project area with suitable species of the plants as per the CPCB guidelines.
20. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
21. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
22. The company shall take measures for control of rodents and bird menace.
23. An Hydrologist be appointed for monitoring and investigating the water quality.
24. The following steps are suggested for arresting air pollution.
 - (a) Increase the height of the compound to 11 feet.
 - (b) Planting aromatic and flowering climbers to cover the compound.
 - (c) Plant 4 to 6 rows of bamboo mixed with aromatic trees. Grafted 'Kenda Sampige' shall get priority.

25. Leguminous fodder to be grown at least on a area of 20 acres and be distributed to the neighbouring farmers free of cost.
26. An independent competent body shall evaluate and monitor the air pollution status and the report be submitted annually.


B. GENERAL CONDITIONS:

1. The project authorities shall strictly adhere to the stipulations made by the Karnataka State Pollution Control Board.
2. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
3. The project authorities shall strictly comply the Municipal Solid Wastes (Management & Handling) Rules 2000.
4. The project proponent shall also comply with all the environmental protection measures and safeguards as per the information provided.
5. A separate environment management cell with qualified staff shall be set up for implementation of stipulated environmental safeguards.
6. The project authorities shall provide rainwater harvesting system and ground water recharge.
7. Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.
8. Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure shall be reported to the Ministry.
9. The environmental clearance accorded shall be valid for a period of 5 years to start of the project.
10. In case of any deviation or alteration in the project proposed from that submitted to SEIAA, Karnataka for clearance, a fresh reference shall be made to the SEIAA, Karnataka to assess the adequacy of the condition (S) imposed and to incorporate additional environmental protection measures required, if any.
11. The implementation of the project vis-à-vis environmental action plans shall be monitored by MoEF Regional Office at Bangalore / KSPCB/ CPCB/ and the Department of Environment & Ecology, Government of Karnataka, Bangalore. A six monthly compliance status report shall be submitted to monitoring agencies.

12. The project authorities shall inform the MoEF Regional Office at Bangalore / KSPCB/ CPCB/ and the Department of Environment & Ecology, Government of Karnataka, Bangalore, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
13. The SEIAA, Karnataka reserves the right to stipulate additional conditions, if found necessary.
14. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Municipal Solid Wastes (Management and Handling) Rules, 2000 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
15. Officials from the Department of Environment and Ecology, Government of Karnataka, Bangalore/ Regional Office of MoEF, Bangalore, KSPCB who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/ data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional Office of MoEF, Bangalore/ Department of Environment and Ecology, Government of Karnataka, Bangalore and KSPCB.
16. The Authority 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 Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
17. 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 Karnataka State Pollution Control board and may also be seen on the website of the Ecology and Environment Department at <http://seiaa.kar.nic.in>. The advertisement should be made within 7 days from the day of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of MOEF at Bangalore/ Department of Ecology and Environment, Government of Karnataka, Bangalore.
18. 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.
19. The SEIAA, Karnataka may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

20. The issue of Environment Clearance doesn't confer any right to the project proponent to operate / run the project without obtaining statutory clearances / sanctions from all other concerned Authorities.
21. 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 Environmental (Protection) Act, 1986.
22. 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 Authority Act, 1997.

Yours Faithfully,


(KANWERPAL)
Member Secretary,
SELAA.

Copy to:

- 1) The Secretary, Ministry of Environment & Forests, Government of India, Paryavaran Bhavan, CGO Complex, Lodi Road, New Delhi-110003.
- 2) Special Secretary, Department of Ecology and Environment, Government of Karnataka, M.S. Building, Bangalore-560 001.
- 3) The Member Secretary, Karnataka State Pollution Control Board, Bangalore-560 001.
- 4) The CCF, Regional Office, Ministry of Environment & Forests (SZ), Kendriya Sadan, IVth Floor, E & F wings, 17th Main Road, Koramangala II Block, Bangalore-560 034.
- 5) The Commissioner, BBMP for information.
- 6) Guard File.