

Attn: Mr. M. K. Singh

State Level Environment Impact Assessment Authority, Uttar Pradesh

Directorate of Environment, U.P.

Dr. Bhim Rao Ambedkar Paryavaran Parisar

Vineet Khand-1, Gomti Nagar, Lucknow - 226 010

Phone : 91-522-2300 541, Fax : 91-522-2300 543

E-mail : up.seiaa@yahoo.com

Ref. No. 434/SEAC/220/2008

Date 20.5.2009

To,

Shri V.P. Singh,
General Manager,
Construction and Design Services,
U.P. Jal Nigam, 2, Lal Bahadur Shastri Marg,
Lucknow-226001.

Sub.: Regarding Environmental Clearance for Solid Waste Management Scheme in Kanpur.

Dear Sir,

Please refer to your letter No. 227/G-2-07/26 dated 24-05-2008 addressed to the Member Secretary, State Level Environmental Impact Assessment Authority, UP and letter no. 312/G-2-13/07 dated 30-06-08 addressed to the Director, Directorate of Environment on the subject as above. The State Level Expert Committee has considered your application and has been given to understand that:

- (1) The Environmental clearance is sought for development of sanitary land fill and composting at Revenue area of Panki Bhousingh, Kalpi Road, Kanpur City.
- (2) The proposed project is spread over an area of 46 hectares.
- (3) The proposed compost plant will be designed to process 1447 TPD of Municipal Solid Wastes
- (4) During the presentation the project proponent made a detailed presentation on the Environmental Impact of the project, response to the Additional Terms of References provided to the project proponent, compliance to the Municipal Solid Waste Handling Rules, 2000 and the Environment Management Plan.
- (5) All the recommendations made in the Environment Impact Assessment Report must necessarily be implemented and the project should comply fully with the Municipal Solid Waste Handling Rules, 2000.

Based on the recommendations of the State Level Expert Committee the State Level Environment Impact Assessment Authority has decided to grant the Environmental Clearance to the project to the effective implementation of the following conditions:

a. General Conditions:

1. It should be clearly specified that the project proponent would ensure that all the standards related to ambient air quality and emission/effluent standards as prescribed by MoEF are strictly complied with.
2. The project proponent will have to ensure that they obtain No Objection certificate from the U.P. Pollution Control Board before start of construction.
3. The proposed land use should be in accordance to the prescribed land use.
4. Proper operation & maintenance of the project shall be ensured after construction phase. Conditions and guidelines for operation and penalties for non-compliance should be specifically prescribed.

Stamp
24/3

5. Information with respect to this clearance & other related documents shall be communicated by the project proponents to the concerned agencies (other than SEIAA and SFAC) as prescribed in the EIA notification No. SO 1533(E) dated 14/09/2006.
6. In addition to the proposed compensatory plantation (3 Trees planted for every tree cut) it shall be ensured that 33% of total lands in the project areas are planted with shade giving and ecologically friendly trees.
7. A specific waste collection and transportation system should be ensured for conveying the waste scientifically and in a safe manner to the proposed MSW landfill site.
8. Leachate should be collected and disposed in a manner such that it may not contaminate the ground water.
9. The general conditions attached to the list of the proposed activities requiring environmental clearance as given in gazette notification dated 14/09/06 issued by Govt. of India and which read as follows should be strictly complied with - "Any project or activity specified in Category 'B' will be treated as Category A, if located in whole or in part within 10 km from the boundary of: (i) Protected Areas notified under the Wild Life (Protection) Act, 1972, (ii) Critically Polluted areas as notified by the Central Pollution Control Board from time to time, (iii) Notified Eco-sensitive areas, (iv) inter-State boundaries and international boundaries." Should not be violated." In case of any violation clearance shall be obtained from The Government of India, as prescribed.
10. The standards regarding ground water, ambient air, leachate quality and compost quality shall be duly followed as per Municipal Solid Wastes (M&H) Rules, 2000.
11. A comprehensive EIA shall be undertaken and the environment management plan and detailed project report (DPR) revised accordingly also taking into view the conditions stipulated in this clearance. This report shall be submitted to this authority by March, 2010, failing which this clearance will automatically be cancelled. The comprehensive EIA should address to all the issues raised in the public hearing held on 11/12/2008 to which project proponent were a party. The DPR and the EMP should be suitably revised to incorporate and mitigate the observations/objections made in the public hearing also.
12. The project proponents will set up a separate environmental management cell for effective implementation of the EMP etc. as well as stipulated environmental safeguards under the supervision of a senior experienced executive.
13. A three monthly monitoring report should be submitted to the Authority regarding the implementation of the stipulated conditions.
14. The EIA Authority may stipulate any other conditions or environmental safeguards subsequently, if deemed necessary, which should be complied with.
15. The Authority reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of Authority.
16. Full support should be extended to concerned officers/authorities by the project proponents during their inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigative measures and other Environmental protection activities.
17. In the event of a change in project profile or change in the implementation agency, a fresh reference should be made to the Authority prior to change.
18. Regular noise levels should be monitored during construction and operation phase.
19. Specifications regarding selection of landfill site, facilities at the site, specifications for land filling, pollution prevention, water quality monitoring, ambient air quality monitoring, plantation at land fill site, closure of landfill site and post care, leachate treatment and disposal should be strictly in compliance to the provisions of the Municipal Solid Wastes (M&H) Rules, 2000. A report in this regards should be prepared and submitted to the Authority within 3 months.

b. Specific Conditions:

1. As the proximity to the Pandu River regarded as a sensitive issue, the landfill site should be developed at a safe distance from the boundaries of the river. Landfill site should be situated at safe distance and this should not be less than the maximum available distance from the boundary of the river and that a no entry zone be created so that general public does not enter into the area.
2. Boilers will not be used.

3. Green belt should be developed in 33% of the total project area.
4. Suitable conditions for odour control should be imposed. Herbals sanitizer and composting enzymes will be used to minimize odour.
5. All the street lighting should be solar and that CFLs should be used.
6. For the leachate treatment, it has been proposed that mechanical aeration leachate treatment will be followed. Necessary conditions for the sewage treatment should also be imposed.
7. The project proponent will duly follow post clearance monitoring as per Municipal Solid Waste Rules, 2000.
8. The following points may also be considered while making the comprehensive EIA report and this report should be submitted by March, 2010.
9. Wind speed and direction changes with time and space depending on the topography and seasons. Wind rose should, therefore be made for each month separately for each sampling site. There should be at least 2 sites in the down wind prominent direction.
10. CO measurement should be made by NDIR and eight hourly average with 98 percentile should be given.
11. Methods used for analysis should be specifically provide.
12. 98 percentile values should be taken into consideration for comparison with standards.
13. Impact of project on quality of life should be given.
14. Leq should be determined from 24 hours days-night data at each site twice a week.

The Authority felt that necessary statutory clearances should be obtained and submitted before start of any construction activity and that if this condition is violated, the clearance shall be automatically deemed to have been cancelled. It should also be insured that approved plans and proposals as per provisions of para-3 of appendix-5 of the notification No S.O. 1533 dated 14/09/2006 are submitted with 03 months of the receipt of this letter failing which the clearance shall be automatically deemed to have been cancelled.

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 including amendments and rules made thereafter.

This is to request you to take further necessary action in matter as per provision of Gazette Notification No. S.O. 1533(E) dated 14.09.06 issue by Govt. of India.

(Dr. C.S. Bhatt)
Member Secretary,
SEIAA

Copy for necessary action to:

1. The Principal Secretary, Environment, U.P. Govt., Lucknow.
2. Dr. Nalini Bhatt, Director, Ministry of Environment & Forests, Govt. of India, Paryavaran Bhawan, CGO Complex, Lodhi Road, New Delhi.
3. Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-II, Aliganj, Lucknow.
4. The Member Secretary, U.P. Pollution Control Board, PICUP Bhawan, Gomti Nagar, Lucknow.
5. Administrative Officer, Directorate of Environment for Monitoring and Web Updation.

(Dr. Yashpal Singh)
Secretary, SEAC

5. Information with respect to this clearance & other related documents shall be communicated by the project proponents to the concerned agencies (other than SEIAA and SEAC) as prescribed in the EIA notification No. SO 1533(E) dated 14/09/2006.
6. In addition to the proposed compensatory plantation (3 Trees planted for every tree cut) it shall be ensured that 33% of total lands in the project areas are planted with shade giving and ecologically friendly trees.
7. A specific waste collection and transportation system should be ensured for conveying the waste scientifically and in a safe manner to the proposed MSW landfill site.
8. Leachate should be collected and disposed in a manner such that it may not contaminate the ground water.
9. The general conditions attached to the list of the proposed activities requiring environmental clearance as given in gazette notification dated 14/09/06 issued by Govt. of India and which read as follows should be strictly complied with - "Any project or activity specified in Category A, if located in whole or in part within 10 km from