



State Expert Appraisal Committee, Punjab
Ministry of Environment and Forests, Government of India

O/O Punjab Pollution Control Board,
Vatavaran Bhawan, Nabha Road,
Patiala – 147 001
Telefax:- 0175-2215802

No. SEAC/146/21289

Dated 19/6/2009

Speed Post

To

M/s Alchemy and More Laboratories Pvt. Ltd.,
Plot No. 294, Phase-IX,
Industrial Area, Mohali.

Sub: Application for environmental clearance for Lead Refining Unit to be established at Plot No. 294, Industrial Area, Phase-IX, Mohali by M/s Alchemy and More Laboratories Pvt. Ltd.

This has reference to your application for grant of environmental clearance for establishment of an Lead Refining unit at Plot No. 294, Industrial Area, Phase-IX, Mohali for the manufacturing of Lead @ 5 TPD by using lead acid batteries @ 12 TPD. The case was considered in the 23rd meeting of State Expert Appraisal Committee held on 6/6/2009.

During meeting, the Committee members observed that the project proponent had provided adequate and satisfactory clarifications and decided to categorize the project into category B-1. After the detailed deliberations on the project, the Committee approved the following Terms of Reference for Environmental Impact Assessment Study of the proposed project:-

1. The study area should cover an area of 10 km. radius around the proposed site.
2. Land use of the study area as well as the project area shall be given.
3. Location of any National Park, Sanctuary, Elephant / Tiger Reserve (existing as well as proposed), eco-sensitive area, interstate boundary, migratory routes, if any, within 10 km. of the project site shall be specified and marked on the map.
4. One season site-specific meteorological data (except monsoon) shall be provided.
5. One complete season Ambient Air Quality (AAQ) data from the NABL accredited lab along with the copies of the test report (except monsoon) to be given along with the dates of monitoring. The parameters to be covered shall include SPM, RSPM, Lead, SO₂ and NO_x. Monitoring shall be carried out for at least 6 different locations all around the project within 10 km. radius. The location of the monitoring stations should be so decided so as to take into consideration the pre-dominant downwind direction, population zone and sensitive receptors including reserved forests. There should be at least one monitoring station in the upwind direction.
6. Impact of the project on the AAQ of the area, details of the model used and the input data used for modelling should also be provided. The air quality contours may be plotted on a location map showing the location of project site, habitation nearby, sensitive receptors, if any. The wind roses should also be shown on this map.
7. Assessment of quantity of fuel required, its source and mode of transportation.
8. Source of water and its availability.
9. Characteristics of lead emissions to be generated from the process and details of pollution control measures to be taken.
10. Occupational safety aspects should be studied and brought out clearly in the EIA study report.
11. Details of the slag to be generated from the process; its characteristics and measures for safe handling / disposal of slag.
12. Details of rainwater harvesting including its pre-treatment method.
13. Details of green belt i.e. land with not less than 1000 trees per hectare giving details of species, width of plantation, planning schedule etc.
14. Fuel analysis from NABL accredited laboratory with copies of the test report and assessment of ash generation and details of ash utilisation / management plan.
15. Details regarding infrastructure facilities such as sanitation, fuel, restroom etc. to be provided to the labour force during construction as well as to the casual workers including truck drivers during operation phase.
16. Environment Management Plan (EMP) to mitigate the adverse impacts due to the project along with item-wise cost of its implementation.

17. Risk assessment to be undertaken. Based on the same, proposed safeguard measures should be provided.
18. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
19. A detailed environmental protection budget would also be presented and earmarked.

The source of getting secondary data, wherever applicable, should be intimated alongwith its reference. Generic structure of Environment Impact Assessment Document, given in Appendix III of EIA Notification 2006 shall be followed in preparation of Rapid Environmental Impact Assessment report.

Besides the above, the following general points / guidelines will also be followed:

- a) The spent acid to be generated during the process of breaking lead acid batteries will be sent to the manufacturers of ferrous sulphate and the industry shall sign MoU with them, before the start of its manufacturing activities.

OR

- b) The project proponent shall either sent the spent acid to be generated during breaking of lead acid batteries, to common hazardous waste disposal facility at Vill. Nimbua, Tehsil Dera Bassi for treatment or will be treated in the effluent treatment plant to be installed by the project proponent. The effluent treatment plant sludge will also be sent to common hazardous waste disposal facility at Vill. Nimbua, Tehsil Dera Bassi developed by M/s Nimbua Green Field Ltd.
- c) The industry shall treat the rainwater in the effluent treatment plant before its disposal / utilization.
- d) All documents to be properly referenced with index, page numbers and continuous page numbering. A uniform system of units (SI) to be used while reporting data.
- e) Where data is presented in the report especially in table, the period in which the data was collected and the source should invariably be indicated.
- f) The list of abbreviations used in preparing the report should be given in a separate index.

The industry should prepare draft EIA / EMP Report for its project based on above Terms of Reference (TOR) and submit final EIA / EMP Report to the State Expert Appraisal Committee.

**(Malvinder Singh)
Secretary (SEAC)**

Endst. No. _____

Dated _____

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.
3. The Member Secretary, State Environment Impact Assessment Authority, O/o Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
4. The Member Secretary, Punjab Pollution Control Board, Vatavaran Bhawan, Nabha Road, Patiala.
5. The Senior Environmental Engineer (Computer), Punjab Pollution Control Board, Head Office, Patiala. He is requested to display the approved Terms of Reference given to the industry on the website of State Environment Impact Assessment Authority.

**(Malvinder Singh)
Secretary (SEAC)**