F. No. J-11011/06/2010-IA-II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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Dated: March 8, 2010

To,

Shri R.K. Anand
Vice President
M/s Shamli Distillery & Chemical Works.
Shamli, District Muzaffarnaar,
Uttar Pradesh- 247776

Ph: 01398- 252097/ 250100 Fax: 0186- 2245351
E-mail: sdcwshamli@yahoo.com

Sub: Proposed expansion of molasses based 25 KLPD Distillery to 80 KLPD at Shamli in District Muzaffarnagar, Uttar Pradesh by M/s Shamli Distillery & Chemical Works. Reg- TORs

Sir,

Kindly refer to your letter dated 24th November, 2009 along with Form-I and proposed TORs as per the EIA Notification, 2006.

The above proposal was considered by the Expert Appraisal Committee-2 (Industry) in its 8th meeting held on 9-10th February, 2010 for prescribing TORs for undertaking detailed EIA /EMP study.

The Committee prescribed the following TORs for undertaking detailed EIA study:

1. Executive summary of the project.
2. Detailed break up of the project cost.
3. Detailed break up of the land area along with photograph of the area.
4. Present land use based on satellite imagery.
5. Details of site and information related to environmental setting within 10 km radius of the project site.
6. Information regarding eco-sensitive area such as national park / wildlife sanctuary / biosphere reserves within 10 km radius of project area.
7. List of existing distillery units in the area along with their capacity.
8. Details of raw material and source of raw material including molasses.
9. Sources of fuel and quantity for the boiler
10. Details of existing pollution control system w.r.t. air, water and land
11. Ambient Air Quality Monitoring for $PM_{10,}$ SO2 and NOx as per GSR 826(E) dated 17th November, 2009 for three months except monsoon with 5km distance of the area.
12. Mathematical modeling for calculating the dispersion of air pollutants and ground level concentration along with emissions from the boiler.

13. Bag filters to be installed instead of Cyclones to control particulate emissions from the boiler.
14. Details of the use of steam from the boiler and use of fuel.
15. Water balance along with justification for water requirement.
16. Ground water quality around spent wash storage lagoon and compost plant.
17. Noise levels monitoring at five locations within the study area.
18. List of flora and fauna in the study area.
19. Number of working days of the distillery unit.
20. Details of the spent wash treatment.
21. Proposed effluent treatment system and scheme for achieving zero discharge.
22. Water drawl permission from the Irrigation Department/State Ground Water Board, as may be applicable to this project.
23. Hydro-geological study of the area for availability of ground water.
24. Details of solid waste management including management of boiler ash.
25. Green belt development as per the CPCB guidelines.
26. Environment Management Plan.
27. Risk assessment for storage and handling of alcohol and mitigation measure due to fire and explosion and handling areas.
28. Fire fighting system as per TAC norms.
29. Provision of Foam System for fire fighting to control fire from the alcohol storage tank.
30. Rainwater harvesting measures.
31. Details of occupational health surveillance programme.
32. Details of socio economic welfare activities.
33. Post project environmental monitoring.
34. Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.
35. Action plan in the tabular form to the issues/suggestions made during the public hearing along with the implementation plan and allocation of funds.
36. A tabular chart indicating point-wise compliance of the TORs.

The following general points should be noted:

i. All documents should be properly indexed, page numbered
ii. Period/date of data collection should be clearly indicated
iii. Authenticated English translation of all material provided in Regional languages.
iv. The letter/application for EC should quote the MOEF file No. and also attach a copy of the letter.
v. The copy of the letter received from the Ministry should be also attached as an annexure to the final EIA-EMP Report.
vi. The final EIA-EMP report submitted to the Ministry must incorporate the issues in this letter and that raised in Public Hearing/consultation along with duly filled in Industry Sector questionnaire. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report where the above issues and the issues raised in the Public hearing have been incorporated.
vii. While preparing the EIA report, the instructions for the proponents and instructions for the consultants issued by MoEF vide O.M. No. J-11013/41/2006-IA.II (I) dated 4th August, 2009, which are available on the website of this Ministry should also be followed.

viii. The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India (OCl)/National Accreditation Board of Education and Training (NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other organization/Laboratories including their status of approvals etc. In this regard circular no F.No.J-l1013/77/2004 - IA ll (l) dated 2nd December, 2009 posted on the Ministry's website http://www.moef.nic.in may be referred.

The Committee noted that method of spent wash treatment is by bio-methanation followed by RO plant and composting of the rejects with press mud. The Committee decided that with the above method of treatment of spent wash, proponent should prepare EIA/EMP Report based on the above TORs and submit the same to the Uttar Pradesh State Pollution Control Board for conducting public hearing/consultation. The EIA/EMP Report should be as per the generic structure given in Appendix-III of EIA Notification, 2006. The concerns emerged during the Public Consultation should be incorporated in the EIA/EMP Report and the final EIA/EMP submitted to the Ministry for obtaining environmental clearance

Yours faithfully,

(Dr. P. L. Ahujarai)

Director

Copy to: The Chairman, Uttar Pradesh State Pollution Control Board, 111 Floor, PICUP Bhavan, Vibhuti Khand, Lucknow-226020.

(Dr. P. L. Ahujarai)

Director