

F. No. J-11011/315/2012- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

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Dated 22nd March, 2013

To,

Shri S.S.Shirgaokar, Managing Director
M/s Ugar Sugar Works Ltd.
Ugar Khurd, taluka Athani, District Belgaum
Karnataka - 591316

E-mail: helpdesk@ugarsugar.com ; Fax No: - 8339 - 272232

Subject: Expansion of Sugar Cane Crushing Capacity (12,000 TCD), Co-generation Power Plant (from 44 MW to 75 MW) & Molasses based Distillery (from 76 KLPD to 200 KLPD) at Village Ugar Khurd, District Belgaum, Karnataka by M/s The Ugar Sugar Works Ltd. – reg. TOR

Ref : Your letter No. ENV/2012-13/4385 dated 9th August, 2012.

Kindly refer to your letter no. ENV/2012-13/4385 dated 9th August, 2012 alongwith project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006. It is noted that proposal is for the expansion of Sugar Cane Crushing Capacity (12,000 TCD), Co-generation Power Plant (from 44 MW to 75 MW) & Molasses based Distillery (from 76 KLPD to 200 KLPD) at Village Ugar Khurd, District Belgaum, Karnataka by M/s The Ugar Sugar Works Ltd.

2.0 Draft Terms of Reference (TOR) have been discussed and finalized during **the 5th Reconstituted Expert Appraisal Committee (Industry) held during 31st January, 2013– 1st February, 2013** for preparation of EIA/EMP report. Following are the 'TORs':

1. A separate chapter on status of compliance of Environmental Conditions granted by State/Centre to be provided. As per circular dated 30th May, 2012 issued by MoEF, a certified report by RO, MoEF on status of compliance of conditions on existing unit to be provided in EIA/EMP report.
2. Executive summary of the project.
3. Compliance of environmental conditions prescribed by the SPCB for the existing sugar & Distillery unit
4. Detailed breakup of the land area along with latest photograph of the area.
5. Present land use based on satellite imagery.
6. Details of site and information related to environmental setting within 10 km radius of the project site.
7. Location of National Park/Wild life sanctuary/Reserve forest within 10 km radius of the project.

8. Permission from the State Forest Department regarding the impact of the proposed plant on the surrounding reserve forest.
9. List of existing distillery units in the study area alongwith their capacity.
10. Number of working days of the distillery unit and CPP.
11. Total cost of the project along with total capital cost and recurring cost/annum for environmental pollution control measures.
12. Manufacturing process details of sugar plant and CPP alongwith process flow chart.
13. Details of raw materials and source of raw material molasses, bagasse etc.
14. Sources and quantity of fuel (coal etc.) for the boiler. Measures to take care of SO₂ emission. A copy of Memorandum of Understanding (MoU) signed with the coal suppliers should be submitted, in case coal is used.
15. Action plan prepared by the SPCB to control ambient air quality as per NAAQES Standards for PM₁₀, PM_{2.5}, SO₂ and NO_x as per GSR 826(E) dated 16th November, 2009.
16. One season site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall and AAQ data (except monsoon) for PM₁₀, SO₂, NO_x and HC (methane & non methane) should be collected. The monitoring stations should take into account the pre-dominant wind direction, population zone and sensitive receptors including reserved forests. Data for water and noise monitoring should also be included.
17. Mathematical modeling for calculating the dispersion of air pollutants and ground level concentration along with emissions from the boiler.
18. An action plan to control and monitor secondary fugitive emissions from all the sources.
19. Details of boiler and its capacity. Details of the use of steam from the boiler.
20. Ground water quality around existing spent wash storage lagoon and the project area.
21. Details of water requirement, water balance chart for Sugar and Co-generation plant. Measures for conservation water by recycling and reuse to minimize the fresh water requirement.
22. Prior 'permission' from Competent Authority for the drawl of total fresh water. Details of source of water supply.
23. Hydro-geological study of the area for availability of ground water.
24. Proposed effluent treatment system for sugar unit as well as CPP and scheme for achieving 'zero' discharge.
25. Lagoon capacity for sugar unit and spent wash as well measures to be taken to control ground water contamination.
26. Details of solid waste management including management of boiler ash. Submit Ash management plan. MoU with cement plant for the use of fly ash.
27. Green belt development as per the CPCB guidelines.
28. List of flora and fauna in the study area.
29. Noise levels monitoring at five locations within the study area.
30. Detailed Environment management Plan (EMP) with specific reference to details of air pollution control system, water & wastewater management, monitoring frequency, responsibility and time bound implementation plan for mitigation measure should be provided.
31. EMP should also include the concept of waste-minimization, recycle/reuse/ recover techniques, Energy conservation, and natural resource conservation.
32. Details of bagasse storage. Details of press mud requirement.
33. Action plan for rainwater harvesting measures at plant site should be included to harvest rainwater from the roof tops and storm water drains to recharge the ground water.
34. Details of occupational health programme.
 - i) To which chemicals, workers are exposed directly or indirectly.

- ii) Whether these chemicals are within Threshold Limit Values (TLV)/ Permissible Exposure Levels as per ACGIH recommendation.
- iii) What measures company have taken to keep these chemicals within PEL/TLV.
- iv) How the workers are evaluated concerning their exposure to chemicals during pre-placement and periodical medical monitoring.
- v) What are onsite and offsite emergency plan during chemical disaster.
- vi) Liver function tests (LFT) during pre-placement and periodical examination.
- vii) Details of occupational health surveillance programme.
- 35. Details of socio-economic welfare activities to be provided.
- 36. Traffic study of the area for the proposed projects in respect of existing traffic, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
- 37. Action plan for post-project environmental monitoring.
- 38. Corporate Environmental Responsibility**
 - (a) Does the company have a well laid down Environment Policy approved by its Board of Directors? If so, it may be detailed in the EIA report.
 - (b) Does the Environmental Policy prescribe for standard operating process/procedures to bring into focus any infringement / deviation / violation of the environmental or forest norms / conditions? If so, it may be detailed in the EIA report.
 - (c) What is the hierarchical system or Administrative order of the company to deal with the environmental issues and for ensuring compliance with the EC conditions. Details of this system may be given.
 - (d) Does the company have a system of reporting of non compliance / violations of environmental norms to the Board of Directors of the company and / or shareholders or stakeholders at large? This reporting mechanism should be detailed in the EIA report.
- 39. Any litigation pending against the project and /or any direction /order passed by any Court of Law against the project, if so, details thereof.
- 40. Public hearing issues raised and commitments made by the project proponent on the same should be included separately in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
- 41. A tabular chart with index for point-wise compliance of above 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. 'Certificate of accreditation' issued by QCI to the environmental consultant should be included.

3.0 These 'TORs' should be considered for the preparation of EIA / EMP report for the expansion of Sugar Cane Crushing Capacity (12,000 TCD), Co-generation Power Plant (from 44 MW to 75 MW) & Molasses based Distillery (from 76 KLPD to 200 KLPD) at Village Ugar Khurd, District Belgaum, Karnataka in addition to all the relevant information as per the 'General Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. The EIA/EMP as per TORs should be submitted to the Chairman Karnataka State Pollution Control Board, (KSPCB) for public consultation. The KSPCB shall conduct the public hearing/public consultation as per the provisions of EIA notification, 2006.

4.0 You are requested to kindly submit the final EIA/EMP prepared as per TORs and incorporating all the issues raised during Public Hearing / Public Consultation to the Ministry for considering the proposal for environmental clearance ***within 2 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 22nd March, 2010.***

5.0 The consultants involved in the preparation of EIA/EMP report after accreditation with Quality Council of India / National Accreditation Board of Education and Training (QCI/NABET) would need to include a certificate in this regard in the EIA/EMP reports prepared by them and data provided by other Organization(s)/Laboratories including their status of approvals etc.

(A.N. Singh)
Dy. Director (S)

Copy to : The Chairman, Karnataka Pollution Control Board, Parisar Bhavan, No. 49, 4th & 5th Floor, Church Street, Bangalore – 560 001, Karnataka. (E-mail : kspcbcom@blr.vsnl.nic.in ; Fax No. : 080-25586321)

(A.N. Singh)
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