

J-11011/106/2016-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

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Dated: 21st June, 2016

To,
Shri Babasaheb
COO,
M/s Baramati Agro Limited,
Post Pimpili, Tehsil Baramati,
Maharashtra

Email.: mail@baramatiagro.com ; Fax.: 02112-221003

Subject: Expansion of sugar plant (4500 TCD to 12000 TCD) & expansion of cogeneration plant power generation (20 MW to 70 MW) & expansion of molasses based distillery (60 KLPD to 160 KLPD) at Village Shetphalgade, Tehsil Indapur, Dist. Pune, Maharashtra by Baramati Agro Ltd. – reg TOR.

Ref. No.: Your Proposal no. IA/MH/IND2/27937/2016 ; dated 15th March, 2016.

Sir,

Kindly refer your proposal no IA/MH/IND2/27937/2016 dated 15th March, 2016 along with project documents including Form-I, Pre-feasibility Report and draft 'Terms of Reference' as per the EIA Notification, 2006. It is noted that the proposal is for Expansion of sugar plant (4500 TCD to 12000 TCD) & expansion of cogeneration plant power generation (20 MW to 70 MW) & expansion of molasses based distillery (60 KLPD to 160 KLPD) at Village Shetphalgade, Tehsil Indapur, Dist. Pune, Maharashtra by Baramati Agro Ltd. Following are the details of proposed products:

| S. No. | Production Unit | Unit | Existing | Additional | Total | Working Days |
|--------|-----------------|------|----------|------------|-------|--------------|
| 1 | Distillery | KLPD | 60 | 100 | 160 | 270 |
| 2 | Sugar | TCD | 4500 | 7500 | 12000 | 180 |
| 3 | Co-Gen Power | MW | 20 | 50 | 70 | 180 |

2.0 Draft Terms of Reference (TOR) have been discussed and finalized during 7th Expert Appraisal Committee (Industry-2) Meeting held during 28-29th April for preparation of EIA/EMP report. The Committee prescribed the following Specific and Additional TOR in addition to Generic TOR provided at Annexure-I (refer to Ministry's website) for preparation of EIA-EMP report:

A. Specific TOR:

1. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
2. Number of working days of the distillery unit.
3. Details of raw materials such as molasses and their source with availability.



4. Details of the use of steam from the boiler.
5. Surface and Ground water quality around proposed spent wash storage lagoon, and compost yard.
6. Commitment for spent wash generation within 6-8 KL/KL of alcohol produced.
7. Proposed effluent treatment system for molasses distillery (spent wash, spent lees, condensate and utilities) as well as domestic sewage and scheme for achieving zero effluent discharge (ZLD).
8. Proposed action to restrict fresh water consumption within 10 KL/KL of alcohol production.
9. Details about capacity of spent wash holding tank, material used, design consideration. No. of piezometers to be proposed around spent wash holding tank and composting yard.
10. Action plan to control ground water pollution.
11. Details of solid waste management including management of boiler ash, yeast, etc. Details of incinerated spent wash ash generation and its disposal.
12. Details of bio-composting yard.
13. Action plan to control odour pollution.
14. Arrangements for installation of continuous online monitoring system (24x7 monitoring device).
15. Complete process flow diagram describing each unit, its processes and operations in production of sugar, alongwith material and energy inputs and outputs (material and energy balance).
16. Details on water balance including quantity of effluent generated, recycled & reused. Efforts to minimize effluent discharge and to maintain quality of receiving water body.
17. Details of effluent treatment plant, inlet and treated water quality with specific efficiency of each treatment unit in reduction in respect of all concerned/ regulated environmental parameters in respect of Sugar.
18. Number of working days of the sugar production unit.
19. Details of the use of steam from the boiler.
20. Details of proposed source-specific pollution control schemes and equipments to meet the national standards.
21. Collection, storage, handling and transportation of molasses,
22. Collection, storage and handling of bagasse and press mud.
23. Flyash management plan for coal based and bagasse and action plan
24. Details on surface/ground water quality parameters such as Temperature, Colour, pH, BOD, COD, Total Kjeldhal Nitrogen, Phosphates, Oil & Grease, Total suspended Solids, Total Coliform bacteria etc.
25. Details on existing ambient air quality and expected, stack and fugitive emissions for PM10, PM2.5, SO₂*, NO_x*, etc., and evaluation of the adequacy of the proposed pollution control devices to meet standards for point sources and to meet AAQ standards. (*-As applicable)

B. Additional TOR

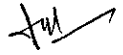
- i. Public hearing to be conducted and issues raised and commitments made by the project proponent on the same should be included in EIA/EMP Report in the form of tabular chart with financial budget for complying with the commitments made.
- ii. ETP of Sugar unit to be design for meeting the standard of 30 mg/lit BOD and effluent should be used within the process by taking adequate measures.
- iii. Cumulative effect to be assessed with the existing sugar and distillery plant.
- iv. Bag filter to be installed in existing as well as for proposed boilers.
- v. Proper layout plan with proposed green belt development should be prepared and plantation should start at the TOR stage and submitted in EIA/EMP report.
- vi. A separate chapter on status of compliance of Environmental Conditions granted by 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
- vii. Spent wash treatment should be as per the CPCB guidelines and no effluent from distillery shall be used for irrigation.

3.0 These 'TORs' should be considered for the preparation of EIA/EMP for Expansion of sugar plant (4500 TCD to 12000 TCD) & expansion of cogeneration plant power generation (20 MW to 70 MW) & expansion of molasses based distillery (60 KLPD to 160 KLPD) at Village Shetphalgade, Tehsil Indapur, Dist. Pune, Maharashtra by Baramati Agro Ltd. 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, Maharashtra Pollution Control Board, for public consultation. The SPCB 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 3 years as per the MoEF O.M. No. J-11013/41/2006-IA.II (I) dated 8th October, 2014.*

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.



(Lalit Bokolia)
Additional Director

Copy to:

- 1 The Chairman, Shri Satish Gavai, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
- 2 Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.



(Lalit Bokolia)
Additional Director

