

J-11011/225/2015-IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

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Dated: 28th December, 2015

To,
Shri Vijay
Managing Director
M/s Shree Chhatrapati Shahu
Sahakari Sakhar Karkhana Ltd.
Kagal, Taluka- Kagal,
District Kolapur, Pune,
Maharashtra

Email.: mail.@shahusugar.com ; Fax.: Nil.

Subject: Expansion of Sugar Plant (from 4950 to 7000 TCD), Co-gen Power Plant (from 12.5 MW to 28 MW) and Molasses based Distillery unit (from 45 KLPD up to 60 KLPD) at Village & Taluka Kagal, District Kolhapur, Maharashtra by M/s Shree Chhatrapati Shahu Sahakari Sakhar Karkhana Ltd.- reg. TOR

Ref. No.: Your Proposal no. IA/MH/IND2/30200/2015 ; dated 24th August, 2015

Sir,

Kindly refer your proposal no. IA/MJ/IND2/30200/2015 dated 24th August, 2015 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 (from 4950 to 7000 TCD), Co-gen Power Plant (from 12.5 MW to 28 MW) and Molasses based Distillery unit (from 45 KLPD up to 60 KLPD) at Village & Taluka Kagal, District Kolhapur, Maharashtra by M/s Shree Chhatrapati Shahu Sahakari Sakhar Karkhana Ltd.

2.0 Draft Terms of Reference (TOR) have been discussed and finalized during 1st Expert Appraisal Committee (Industry-2) meeting held during 30th November- 1st December 2015 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.

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- 7 Proposed effluent treatment system for molasses based 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 peizometers 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 pressmud.
- 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*, NOx*, 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 Ground water monitoring around irrigation area.
- ii Certified compliance report from the Regional Office, Bhopal for implementation of environmental conditions in the existing unit to be incorporated.
- iii 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.

3.0 These 'TORs' should be considered for the preparation of EIA / EMP for expansion of sugar plant (from 4950 to 7000 TCD), Co-gen Power Plant (from 12.5 MW to 28 MW) and Molasses based Distillery unit (from 45 KLPD up to 60 KLPD) at Village & Taluka Kagal, District Kolhapur, Maharashtra by M/s Shree Chhatrapati Shahu Sahakari Sakhar Karkhana 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, Maharashtra State Pollution Control Board, Shri Chatrapati Shivaji Maharaj Municipal Market-Building, 4th Floor, Mata Rambai Ambedkar Road, Mumbai - 400 001, Maharashtra
- 2 Regional Office (WCZ), Ministry of Environment, Forest and Climate Change, Nagpur.

(Lalit Bokolia)
Additional Director

