



**KARAN SUGARS PVT. LTD.**

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**KSPL/ EC/MoEF/2016-17/03**

**Date: 09/05/2016**

**To,  
The Director & Member Secretary  
Ministry of environment, forests and Climate change,  
Indira Paryavaran Bhawan,  
Jor bagh road, Aaliganj,  
New Delhi-110003**

Dear Sir,

**Subject: Environmental Clearance of our new 100 KLPD Molasses based distillery proposed at Herwad, Tal: Shirol, Dist: Kolhapur**

**Your Ref: Minutes of 24th reconstituted expert appraisal committee (industry) Held during 29th- 30th September, 2014 at conference hall (Indus), Jal wing MOEF.**

**F. No. J-11011/857/2008- IA II (I), Dated 3<sup>rd</sup> December 2014 advising revised "TOR" for the project- Item 24.4.6**

With reference to Essential details sought (EDS) for "TOR was issued in February 2009 which was vide for 2 years at that time. The validity of TOR has been expired. The proposal is rejected and please applies afresh" dated 04/05/2016.

We are pleased to inform you that we have allotted revised "Terms of reference" in the EAC meeting held on 29-30<sup>th</sup> September 2014. We are enclosing herewith minutes of the meeting for your ready reference.

We are requesting herewith please update our EDS and accept our proposal for further needful action.

We are also enclosing herewith revised EIA with details as asked for in "TOR".

We now look forward to getting environmental clearance for our project as early as possible.

Thanking you,

Yours Sincerely,  
For **Karan Sugars Pvt. Ltd.**

**(Authorized Signatory)**  
**Encl: a/a**

**MINUTES OF 24<sup>th</sup> RECONSTITUTED EXPERT APPRAISAL COMMITTEE (INDUSTRY)**  
**HELD DURING 29th- 30th SEPTEMBER, 2014**

**VENUE:** Conference Hall ( Indus ), Jal Wing, Ministry of Environment, Forests and Climate Change, Indira Paryavaran, Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003

**24.1 Opening Remarks of the Vice -Chairman**

At the outset, Vice -Chairman welcomed the members of the Expert Appraisal Committee (Industry). Thereafter, agenda items were taken up for discussion. The deliberations held and decisions taken are as under.

**24.2** The following modifications/correction in the minutes of the 18<sup>th</sup> Reconstituted Expert Appraisal Committee (Industry) held during 28-30<sup>th</sup> April 2014 were confirmed:

1. **Agenda No.: 18.9.9:** title “Modernization and Expansion of Ammonia-Urea Fertilizer Plant of M/s Kanpur Fertilizer and Cement Ltd. at Udyog Nagar Industrial Area, Panki Kanpur, Uttar Pradesh” the word annexure -2 titled “Terms of Reference ( TOR) for Manufacturing of Synthetic Organics” may be substituted with Annexure -1 titled “TOR for Fertilizer Unit” of 24<sup>th</sup> EAC Meeting held during 29th- 30th September, 2014

**29<sup>th</sup> September 2014**

**24.3 Environmental Clearance:**

**24.3.1 Molasses based Distillery (30 KLPD) alongwith CPP (1 MW) at Village Pimpalgaon, Tehsil Shrigonda, District Ahmednagar, Maharashtra by M/s Kukadi Sahakari Sakhar Karkhana Ltd – regarding EC**

The project proponent and their consultant (Mantras Green Resources Ltd.) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Draft Terms of References (TORs) awarded during the 27<sup>th</sup> Meeting of the Expert Appraisal Committee (Industry) held during 21<sup>st</sup> -22<sup>nd</sup> September, 2011 for preparation of EIA-EMP report. All the molasses based Distillery Units are listed at S.N. 5(g) under Category ‘A’ and appraised at the Central level.

M/s Kukadi Sahakari Sakhar Karkhana Ltd has proposed for setting up of Molasses based Distillery (30 KLPD) alongwith CPP (1 MW) at Village Pimpalgaon, Tehsil Shrigonda, District Ahmednagar, Maharashtra. Proposed distillery unit will be installed adjacent to the sugar plant (2500 TCD). Existing unit has CPP of 13 MW with two number existing 40 TPH bagasse based boiler. The total land available for the integrated sugar complex is 2,15,900 m<sup>2</sup> out of which 51617 m<sup>2</sup> will be utilized for distillery project. Cost of project is Rs. 36.90 crore. Plant will be operated for 180 days during season / 90 days in off season. No sanctuaries/national parks/biospheres are located within 10 km distance. Moharwadi lake exists at a distance of 2 Km and Visapur dam exists at a distance of 5 km. the main products will be RS/ENA/Impure spirit /technical alcohol. The distillery will have an independent boiler of 10 TPH coupled to 1 MW turbo generator to operated when sugar plant is not operational.

It was noted that details regarding ambient air quality monitoring period and Ambient air quality data is not clearly mentioned in the EIA –EMP report. The Committee suggested

#### **24.4.6 Expansion (30 KLPD to 100 KLPD) with change in feed stock from cane juice to fully Molasses based distillery at Herwad, Taluka Kolhapur, Maharashtra by M/s Karan Sugars Pvt.Ltd. – regarding TOR**

Project proposal was considered in the 17<sup>th</sup> Expert Appraisal Committee (Industry) meeting held during 18<sup>th</sup>-19<sup>th</sup> March, 2014 and the Committee desired to submit revised Form-1 alongwith pre-feasibility report and based on documents further course of action will be decided. PP vide letter dated 21<sup>st</sup> July, 2014 has submitted the requisite information alongwith revised form-1. It was noted that ToR was issued by the MoEF vide letter no J-11011/857/2008-IA II (I) dated 25<sup>th</sup> February, 2009. PP has submitted EIA-EMP report on 7.5.2012. MoEF vide letter dated 9.05.2013 has asked the PP to conduct fresh public hearing report as existing public hearing meeting was supervised by the representative below the rank of Additional District Magistrate. Further PP vide letter dated 05.12.2013 has submitted a copy of fresh public hearing report conducted on 09.11.2013 under the supervision of Additional District Magistrate. Now, PP informed that this is new 100 KLPD molasses based distillery project and existing plant (30 KLPD) will be scrapped. After detailed deliberations, the Expert Appraisal Committee prescribed the following specific TORs for preparation of EIA/EMP report:

1. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc.
2. Details of proposed products along with manufacturing capacity.
3. Number of working days of the distillery unit.
4. Details of raw materials, its source with availability of molasses.
5. Manufacturing process details of distillery along with process flow chart.
6. Sources and quantity of fuel (rice husk/bagasse/ coal etc.) for the boiler. Measures to take care of SO<sub>2</sub> emission. A copy of Memorandum of Understanding (MoU) signed with the coal suppliers should be submitted.
7. Storage facilities for raw materials, prepared alcohol, fuels and fly ash.
8. One season site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall and AAQ data (except monsoon) for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO and HC (methane & non methane) shall 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.
9. Mathematical modeling for calculating the dispersion of air pollutants and ground level concentration along with emissions from the boiler's stack.
10. Details of boiler and its capacity. Details of the use of steam from the boiler.
11. Ground water quality around proposed spent wash storage lagoon and the project area.
12. Details of water requirement, water balance chart for proposed project. Measures for conservation water by recycling and reuse to minimize the fresh water requirement.
13. Source of water supply and permission of withdrawal of water from Competent Authority.
14. Proposed effluent treatment system for grain/molasses based distillery (spent wash and spent lees) along with utility wastewater including CPP/Co-gen Unit (wherever applicable) as well as domestic sewage and scheme for achieving zero discharge. Details of treatment of effluent generation from sugar unit.
15. Spent wash generation should not exceed 8 KL/KL of alcohol production. Details of the spent wash treatment for molasses based distillery based distillery.
16. Capacity for spent wash holding tank and action plan to control ground water pollution.

17. Layout for storage of bagasse/biomass/coal.
18. Capacity for spent wash holding tank and action plan to control ground water pollution.
19. Dryer shall be installed to dry DWGS.
20. Layout for storage of rice husk/biomass/coal.
21. Details of solid waste management including management of boiler ash.
22. Risk assessment for storage and handling of alcohol and mitigation measure due to fire and explosion and handling areas.
23. Alcohol storage and handling area fire fighting facility as per norms. Provision of Foam System for fire fighting to control fire from the alcohol storage tank.
24. Action plan for development of green belt over 33 % of the total project area within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc.
25. 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.
26. EMP should also include the concept of waste-minimization, recycle/reuse/ recover techniques, Energy conservation, and natural resource conservation.
27. 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.
28. Details of occupational health surveillance programme.
29. Transportation of raw materials and finished products for the project (proposed/expansion) in respect of existing traffic, type of vehicles, frequency of vehicles for transportation of materials, additional traffic due to proposed project, parking arrangement etc.
30. Action plan for post-project environmental monitoring.
31. Corporate Environmental Responsibility
32. (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.
33. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment based on Public Hearing issues and item-wise details along with time bound action plan should be prepared and incorporated.

It was recommended that above 'TORs' prescribed by the Reconstituted Expert Appraisal Committee (Industry) should be considered for preparation of EIA / EMP report for the above mentioned project in addition to all the relevant information as per the 'Generic Structure of EIA' given in Appendix III and IIIA in the EIA Notification, 2006. Public hearing is exempted under section 7 (ii) of EIA Notification, 2006 as fresh public hearing was already conducted for the project on 09.11.2013.

#### **24.4.7 Recovery of Styrene Project at Panipat Refinery & Petrochemical Complex of M/s Indian Oil Corporation Ltd. at Panipat, Haryana – regarding TOR**