J-11011/26/2015-IA II (I)
Government of India
Ministry of Environment, Forests and Climate Change
(I.A. Division)

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Dated:29th April, 2015

To,

Shri M. Radhakrishnan
Vice President
M/s NSL Sugars Limited (Unit-III)
(Formely Jay Mahesh Sugar Industries Ltd)
Pawarwadi Village, Majalgaon Taluk,
Beed District
Maharashtra-431131

Email.: jmsil@nslsugars.com **Fax.: 02443-202034**

Subject: Expansion of Sugar Plant (from 7000 TCD to 12000 TCD), Distillery Plant (100 KLPD),Co-generation Power Plant (3 MW) at Village Pawarwadi, Taluk Majalgaon, District Beed, Maharashtra by M/s NSL SUGARS LIMITED (UNIT-III) (Formerly JAY MAHESH SUGAR INDUSTRIES LIMITED)..-reg TOR.

Ref. No.: Your Letter no. nil dated 13th January, 2015

Sir,

Kindly refer your letter no. nil dated 13th January, 2015 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 expansion of Sugar Plant (from 7000 TCD to 12000 TCD), Distillery Plant (100 KLPD),Co-generation Power Plant (3 MW) at Village Pawarwadi, Taluk Majalgaon, District Beed, Maharashtra by M/s NSL SUGARS LIMITED (UNIT-III) (Formerly JAY MAHESH SUGAR INDUSTRIES LIMITED).

2.0 Draft Terms of Reference (TOR) have been discussed and finalized during the 34th Reconstituted Expert Appraisal Committee (Industry) held during 17-19th February , 2015 for preparation of EIA/EMP report. Following are the 'TORs':

A. Standard TOR:

1. Executive summary of the project.
2. Justification of the project
3. Detailed break-up of the land area along with latest photograph of the area.

4. Present land use based on satellite imagery and details of land availability for the project along with supporting document.
5. Details of site and information related to environmental setting within 10 km radius of the project site.
6. A copy of lease deed or allotment letter, if land is already acquired.
7. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
8. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc.
9. Details of proposed products along with manufacturing capacity.
10. Number of working days of the sugar unit, distillery unit and CPP.
11. Details of raw materials, its source with availability of all raw materials including cereal grains requirement in case of grain based distillery. If molasses based distillery, then give source and quantity available for molasses.
12. Manufacturing process details of Sugar , distillery and CPP along with process flow chart.
13. Sources and quantity of fuel (rice husk/bagasse/ coal etc.) for the boiler. Measures to take care of SO_2 emission. A copy of Memorandum of Understanding (MoU) signed with the coal suppliers should be submitted.
14. Storage facility for raw materials, prepared alcohol, fuels and fly ash.
15. Action plan for ambient air quality parameters as per NAAQES Standards for PM_{10}, $PM_{2.5}$, SO_2 and NO_X as per GSR 826(E) dated 16th November, 2009.
16. One month site-specific micro-meteorological data using temperature, relative humidity, hourly wind speed and direction and rainfall and AAQ data (except monsoon) for PM_{10}, $PM_{2.5}$, SO_2, NO_X, COand 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.
17. Mathematical modelling for calculating the dispersion of air pollutants and ground level concentration along with emissions from the boiler's stack.
18. An action plan to control and monitor secondary fugitive emissions from all the sources.
19. An action plan prepared by SPCB to control and monitor secondary fugitive emissions from all the sources.
20. Details of boiler and its capacity. Details of the use of steam from the boiler.
21. Ground water quality around proposed spent wash storage lagoon and the project area.
22. Details of water requirement, water balance chart for existing unit as well as proposed expansion (as applicable). Measures for conservation water by recycling and reuse to minimize the fresh water requirement.
23. Source of water supply and permission of withdrawal of water from Competent Authority.
24. 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.
25. Spent wash generation should not exceed 8 KL/KL of alcohol production. Details of the spent wash treatment for molasses based distillery based distillery.
26. Capacity for spent wash holding tank and action plan to control ground water pollution.

27. Layout for storage of bagasse/biomass/coal.
28. Capacity for spent wash holding tank and action plan to control ground water pollution.
29. Dryer shall be installed to dry DWGS.
30. Layout for storage of rice husk/biomass/coal.
31. Details of solid waste management including management of boiler ash.
32. Risk assessment for storage and handling of alcohol and mitigation measure due to fire and explosion and handling areas.
33. 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.
34. 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.
35. 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.
36. EMP should also include the concept of waste-minimization, recycle/reuse/ recover techniques, Energy conservation, and natural resource conservation.
37. 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.
38. Details of occupational health surveillance programme.
39. Details of socio-economic welfare activities.
40. 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.
41. Action plan for post-project environmental monitoring.
42. Corporate Environmental Responsibility
43. (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.

44. 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.

B. Additional TOR

1. Taking in to consideration that more than 50% work has already been completed and public hearing was conducted by the PP while taking the environmental clearance of the same unit in the year November 2008, the committee, therefore, exempted the

public hearing as per para 7(ii) of EIA Notification, 2006 for preparation of EIA/EMP Report.

2. One month environmental data to be collected for preparation of EIA-EMP report. .

The following general points shall be noted:

i. All documents shall be properly indexed, page numbered.
ii. Period/date of data collection shall be clearly indicated.
iii. Authenticated English translation of all material in Regional languages shall be provided.
iv. The letter/application for environmental clearance shall quote the MOEF file No. and also attach a copy of the letter.
v. The copy of the letter received from the Ministry shall be also attached as an annexure to the final EIA-EMP Report.
vi. The index of the final EIA-EMP report must indicate the specific chapter and page no. of the EIA-EMP Report
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 shall also be followed.
viii. The consultants involved in the preparation of EIA-EMP report after accreditation with Quality Council of India (QCI) /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.

3.0 These 'TORs' should be considered for the preparation of EIA / EMP for expansion of Sugar Plant (from 7000 TCD to 12000 TCD), Distillery Plant (100 KLPD),Co-generation Power Plant (3 MW) at Village Pawarwadi, Taluk Majalgaon, District Beed, Maharashtra by M/s NSL SUGARS LIMITED (UNIT-III) (Formerly JAY MAHESH SUGAR INDUSTRIES LIMITED) 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.

4.0 Public hearing is exempted as per para 7(ii) of EIA Notification, 2006 for preparation of EIA/EMP Report. You are requested to kindly submit the final EIA/EMP prepared as per TORs to the Ministry for considering the proposal for environmental clearance ***within 3 years as per the MoEF& CC 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 Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022, Maharashtra
2. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office, Kendriya Paryavaran Bhavan, Link Road No.3, Bhopal-462016

(Lalit Bokolia)
Additional Director