

M. Jindal & Co. Ltd.  
140825 A105  
Sion, Mumbai

F.No.J-11013/33/2014-IA.II(I)  
Government of India  
Ministry of Environment & Forests & Climate Change

Indira Paryavaran Bhawan,  
Jor Bagh, Lodi Road,  
New Delhi-110003.

Dated: 1<sup>st</sup> August 2014

To  
Director,  
M/s Jindal Drugs Ltd.,  
Bakhtawar, 6<sup>th</sup> Floor,, B&C,  
229, Nariman Point, MUMBAI - 400021.  
e-mail: [sales@jindaldrugs.com](mailto:sales@jindaldrugs.com) Tel: 022-43418888, Fax: 022-22871633

**Sub: Clarification on applicability of EIA Notification 2006 on Existing Manufacturing Facility and New Manufacturing Facility at Taloja of M/s Jindal Drugs Ltd. for Manufacture of Menthol and Other Essential Oils from Crude Oil -reg.**

Sir,

c/11


This is with reference to your letter dated 29<sup>th</sup> May 2014 on the aforesaid subject seeking clarification regarding applicability of EIA Notification, 2006 with regard to manufacture of Menthol and other essential oil products in the existing manufacturing facility and proposed plant at Plot No. T-22, MIDC Taloja, District Raigad, Maharashtra.

The aforesaid proposal was considered in the 19<sup>th</sup> meeting of EAC(I) held on 28<sup>th</sup>-30<sup>th</sup> May 2014, wherein you had informed that all the raw materials used are extract of natural products/herbs. The manufacturing process of all three products viz Menthol and other essential oil products like eucalyptol/cineole and Anethole does not involve use of any chemicals or adding of any solvents. There is no chemical reactions. The processes used are a) fractional distillation, b) molecular distillation c) Crystallisation d) Blending and e) Filtration.

Recd on  
25/8/14

After deliberations, the Committee recommended that the existing and proposed activity as above do not fall under 5 (f) category of EIA Notification, 2006 and do not require an environmental clearance under the EIA Notification, 2006.

The Ministry of Environment & Forests accepts the aforesaid recommendations as above. This issues with the approval of the Competent Authority.

Yours faithfully,  
  
(Dr.T.Chandini)  
Director

Copy to: The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.

  
MS

  
26/8

AS(T)  
for record & posting on  
our web-site pt.  
Go(B)/ASO  
29/8

No.J-11011/230/2013-IA.II(I)  
Government of India  
Ministry of Environment & Forests & Climate Change

Indira Paryavaran Bhawan,  
Jor Bagh, Lodi Road,  
New Delhi -110003.

Dated: 5<sup>th</sup> August 2014

To  
Shri Janardan Gupta,  
Vice-President,  
M/s COSMO Films Ltd.,  
B-14/8-9, MIDC, Waluj,  
Aurangabad- 431136. Maharashtra

Sub: Manufacture of Biaxially oriented Polypropylene (BOPP) Films and Coated/Laminated film of M/s Cosmo. Films at MIDC SEZ Industrial Area, Aurangabad, Maharashtra (Applicability of EC)

Sir,

This is with reference to your letter dated 31.07.2013 on the applicability of environmental clearance under the EIA Notification 2006 for proposed project to manufacture Biaxially Oriented Polypropylene (BOPP) Film and Coated Laminated film of M/s COSMO Films Ltd. at MIDC SEZ Industrial Area, Aurangabad, Maharashtra

2. The aforesaid proposal was considered in the 12<sup>th</sup> Expert Appraisal Committee (Industry) meeting held during 30<sup>th</sup>-1<sup>st</sup> October, 2013 wherein the Committee had sought the following information:

- I. Details of raw materials to be used.
- II. Details of manufacturing process along with chemical reactions.
- III. Details of all the associated units to be installed.
- IV. Since built up area of industrial building is 65000 m<sup>2</sup>, view of construction project sector may be obtained.

3. The information furnished vide your letter dated 01.11.2013 was further considered in the EAC (I) meeting held on 28<sup>th</sup>-30<sup>th</sup> April 2014. After detailed deliberation, the committee recommended that the proposed activity does not fall under 5 (f) of schedule of EIA Notification, 2006.

No.J-11011/125/2014-IA.II(I)  
Government of India  
Ministry of Environment & Forests & Climate Change

Indira Paryavaran Bhawan,  
Jor Bagh, Lodi Road,  
New Delhi-110003.  
E-mail: [tchand2003@yahoo.co.uk](mailto:tchand2003@yahoo.co.uk)  
Tel: 011-24695313

To

Dated: 5<sup>th</sup> August 2014

Shri Babasaheb M Patil,  
Chairman & Managing Director,  
**M/s Siddhi Sugar and Allied Industries Ltd.,**  
Mahesh Nagar, A/p Ujana Taluka,  
Ahmedpur, Dist. Latur, Maharashtra – 413515.

Sub: Proposed Setting up of a New Molasses based Distillery Unit of 30 KLPD of **M/s Siddhi Sugar and Allied Industries Ltd.,** at Mahesh Nagar, Ujana Taluka, Ahmedpur, Dist. Latur, Maharashtra – Terms of Reference (TOR) –reg.

Sir,

This is with reference to your letter No. SSAIL/A&M/938/2013-14 dated 24.01.2014 along with project documents including Form-I, Pre-feasibility Report seeking 'Terms of Reference' (TOR) as per the EIA Notification, 2006 on the aforesaid project.

Based on the documents furnished, it is noted that M/s Siddhi Sugar and Allied Industries Ltd. has proposed for setting up of molasses based Distillery unit (30 KLPD) Village Mahesh Nagar, A/p Ujana, Taluka Ahmednagar, District Latur, Maharashtra. Total plot area is 15.5 acres of which greenbelt will be developed in 4 acres. Distillery will be operated for 270 days. Cost of project is Rs. 37 crores. ESP along with stack height of 60 m will be provided to bagasse /biogas fired boiler. Total water requirement from River Manyad (Manar) will be 305 m<sup>3</sup>/day. Spent wash will be treated through bio-methanation followed by multi effect evaporator (MEE) followed by bio-composting. Land earmarked for composting is 6 acres. Yeast sludge will be sent to member farmer. Ash will be sold to farmer. ETP sludge will be sold to member farmer.

2. The aforesaid proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) (EAC (I)) in its 19<sup>th</sup> Meeting held on 28<sup>th</sup>-30<sup>th</sup> May 2014. After detailed deliberations, the Committee recommended the proposal for TOR as per Generic TOR at Annexure.

3. The Ministry of Environment & Forests on the basis of the aforesaid recommendations hereby accords the aforesaid TORs as given in the attached Annexure for preparation of the EIA/EEMP Report.

(Dr.T.Chandini)  
Director

✓ Copy to: The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3<sup>rd</sup> and 4<sup>th</sup> floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.

F.N. J-11011/258/2013-IA.II(I)  
Government of India  
Ministry of Environment & Forests & Climate Change

Indira Paryavaran Bahwan,  
Jor Bagh, Lodi Road,  
New Delhi-110003.  
E-mail: [tchand2003@yahoo.co.uk](mailto:tchand2003@yahoo.co.uk)  
Tel: 011-24695313

Dated: 1<sup>st</sup> August 2014

To  
Shri B.R.Aandhalkar,  
Chairman,  
M/s Shri Ramgiri Sugars Ltd.,  
201, Amelia, Bhamburda,  
Model Colony, Shivajinagar,  
PUNE – 411 016.  
E-mail: [shriramgirisugars@gmail.com](mailto:shriramgirisugars@gmail.com) Tel: 02184-220333 Fax: 02184 -220999

**Sub: Molasses Based Distillery (45KLPD) with Sugar Plant (5000 TCD) and Co-gen Power Plant (24 MW) of M/s Shri Ramgiri Sugars at vill. Savargaon, Tehsil Tujiapur, Dist. Solapur, Maharashtra – Terms of Reference (TOR) – reg.**

Sir,

This is with reference to your letter No. SRSL/MoEF/2014 dated 02.04.2014 along with project documents including Form-I, Pre-feasibility Report seeking 'Terms of Reference' (TOR) as per the EIA Notification, 2006 on the aforesaid project. All molasses based distillery are listed at S.N. 5(g) (i) under category 'A' and appraised at Central level.

2. Based on the documents furnished, it is noted that M/s Shri Ramgiri Sugars Ltd. has proposed for setting up of Molasses Based Distillery (45KLPD) alongwith Sugar Plant (5000 TCD) and Cogen Power Plant ( 24 MW) at Village Savargaon, Tahsil- Tujiapur, District Solapur, Maharashtra. Total plot area is 76 acres. Total cost of project is Rs. 315.60 crores. Sugar plant will be operated for 160 days. Cogeneration power plant will be operated for 270 days and Distillery will be operated for 270 days.

3. Water requirement from Savargaon reservoir will be 700 m<sup>3</sup>/day for sugar, 2000 m<sup>3</sup>/day for cogen and 450 m<sup>3</sup>/day for distillery. Spent wash will be treated in bio-methanation, evaporation and concentration in seven step evaporation system followed with bio-composting of press mud with primary treated spent wash. The Cogeneration boiler will be designed to handle multifuels like bagasse, imported coal, biomass fuels as biogas. The turbine will be double extraction cum condensing machine with air cooled condenser.

F.N. J-11011/60/2014-IA.II(I)  
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Ministry of Environment & Forests & Climate Change

Indira Paryavaran Bahwan,  
Jor Bagh, Lodi Road,  
New Delhi-110003.  
E-mail: [tchand2003@yahoo.co.uk](mailto:tchand2003@yahoo.co.uk)  
Tel: 011-24695313

To

Dated: 1<sup>st</sup> August 2014

Shri Anil B Shinde,  
Managing Director,  
M/s Sahakarmaharshi Bhausaheb Thorat Sahakari Sakhar Karkhana Ltd.,  
At Amrutnagar, Post – Sangamner SK,  
Tel: Sangamner, Dist. Ahmednagar,  
MAHARASHTRA – 422 608.

Sub: Expansion of Sugar Factory from 3500 TCD to 5500 TCD and addition Cogeneration Power Plant (28 MW) of M/s Sahakarmaharshi Bhausaheb Thorat Sahakari Sakhar Karkhana Ltd. at Village Smrutnagar, Post Sangamner SK, Tehsil Sangamner, District Ahmed nagar, Maharashtra (TOR)

Sir,

This is with reference to your letter No. SBTSSK/General/3745/2014 dated 03.01.2014 along with project documents including Form-I, Pre-feasibility Report seeking 'Terms of Reference' (TOR) as per the EIA Notification, 2006 on the aforesaid project. All molasses based distillery are listed at S.N. 5(g) (i) under category 'A' and appraised at Central level.

2. Based on the documents furnished, it is noted that M/s Sahakarmaharshi Bhausaheb Thorat Sahakari Sakhar Karkhana Ltd. has proposed for expansion of Sugar Factory from 3500 TCD to 5500 TCD and addition of Cogeneration Power Plant ( 28 MW) at Village Smrutnagar, Post Sangamner SK, Tehsil Sangamner, District Ahmed nagar, Maharashtra. Total plot area is 200 acre of which greenbelt will be developed in 23 acre. Plant will be operated for 145 days. Cogeneration power plant will be operated for 145 days during season and 20 days for off season. No eco-sensitive area is located within 10 Km distance. ESP will be provided to Bagasse fired boiler (2 x 80 TPH) to control particulate emissions. Fly ash generation will be 4466 MT. Total water requirement for sugar will be 200 m3/day and Cogen power will be 2095 m3/day. Effluent generation will be 338 m3/day from cogeneration and treated in ETP. Bagasse will be used as fuel in boiler. Ash will be sold to brick manufacturer. Molasses will be sold. Pressmud will be sold to farmer/bio-composting.

3. The aforesaid proposal was considered by the Reconstituted Expert Appraisal Committee (Industry) (EAC (I)) in its 19<sup>th</sup> Meeting held on 28<sup>th</sup>-30<sup>th</sup> May 2014. After detailed deliberations, the Committee recommended the proposal for TOR as per Generic TOR at Annexure.

### TORS FOR SUGAR DISTILLERY WITH CPP/CO-GENERATION UNIT

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. Information regarding eco-sensitive areas such as national park/wildlife sanctuary/ biosphere reserves within 10 km radius of project area.
7. Total cost of the project along with total capital cost and recurring cost/annum for environmental pollution control measures.
8. A copy of lease deed or allotment letter, if land is already acquired.
9. List of existing distillery units in the study area along with their capacity and sourcing of raw material.
10. Layout maps indicating existing unit as well as proposed unit indicating storage area, plant area, greenbelt area, utilities etc.
11. Details of proposed products along with manufacturing capacity.
12. Number of working days of the sugar unit, distillery unit and CPP.
13. 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.
14. Manufacturing process details of Sugar , distillery and CPP along with process flow chart.
15. 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.
16. Storage facility for raw materials, prepared alcohol, fuels and fly ash.
17. Action plan for ambient air quality parameters as per NAAQES Standards for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub> and NO<sub>x</sub> as per GSR 826(E) dated 16<sup>th</sup> November, 2009.
18. 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.
19. Mathematical modeling for calculating the dispersion of air pollutants and ground level concentration along with emissions from the boiler's stack.
20. An action plan to control and monitor secondary fugitive emissions from all the sources.
21. An action plan prepared by SPCB to control and monitor secondary fugitive emissions from all the sources.
22. Details of boiler and its capacity. Details of the use of steam from the boiler.
23. Ground water quality around proposed spent wash storage lagoon and the project area.
24. 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.
25. Source of water supply and permission of withdrawal of water from Competent Authority.
26. 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.
27. Spent wash generation should not exceed 8 KL/KL of alcohol production. Details of the spent wash treatment for molasses based distillery based distillery.

- ii. In case the existing project has not obtained environmental clearance, reasons for not taking EC under the provisions of the EIA Notification 1994 and/or EIA Notification 2006 shall be provided. Copies of Consent to Establish/No Objection Certificate and Consent to Operate (in case of units operating prior to EIA Notification 2006, CTE and CTO of FY 2005-2006) obtained from the SPCB shall be submitted. Further, compliance report to the conditions of consents from the SPCB shall be submitted.
- 51. Any litigation pending against the project and / or any direction / order passed by any Court of Law against the project, if so, details thereof.
- 52. The EIA-EMP report for the project shall be based on the aforesaid TORs 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. Where the documents provided are in a language other than English, an English translation shall be provided. The draft EIA-EMP report shall be submitted to the State Pollution Control Board of the concerned State for conduct of Public Hearing. The SPCB shall conduct the Public Hearing/public consultation, district-wise, as per the provisions of EIA notification, 2006. The issues raised in the Public Hearing and during the consultation process and the commitments made by the project proponent on the same shall be included separately in EIA-EMP Report in the form of tabular chart with financial budget (capital and revenue) along with time-schedule of implementation for complying with the commitments made. The final EIA report shall be submitted to the Ministry for obtaining environmental clearance.
- 53. The TORs prescribed shall be valid for a period of two years for submission of the EIA-EMP reports along with Public Hearing Proceedings (wherever stipulated).

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 4<sup>th</sup> 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. 'Certificate of accreditation' issued by QCI to the environmental consultant should be included.