



F. No. J-11011/38/2016-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

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Dated: 20th December, 2016

To

The Chief Executive Officer
M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd.
Shri Kallappa Anna Awadenagar, Hupari-Yalgud
Hatkanangale, Kolhapur District
Maharashtra- 416 203

Sub: Expansion of Sugar unit capacity from 7500 TCD to 12000 TCD at Hupari Yalgud, Tehsil Hathkanangale, District Kolhapur, Maharashtra by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. –Environmental Clearance– reg.

Ref: Online Proposal No. IA/MH/IND2/38479/2014 dated 06th January, 2016.

Sir,

This has reference to your online proposal no. IA/MH/IND2/38479/2014 dated 06th January, 2016 along with project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report along with Public Hearing Report regarding the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for expansion of sugar unit capacity from 7500 TCD to 12000 TCD at Hupari Yalgud, Tehsil Hathkanangale, District Kolhapur, Maharashtra by M/s. Jawahar Shetkari Sahakari Sakhar Karkhana Ltd. As informed by the Project Proponent (PP) and as per the documents submitted by the PP, the total plot area is 3,94,237.058 m², out of which area earmarked for greenbelt is 3,30,000 m². It is reported that no national park/wildlife sanctuary/coral formation is located within 10 km distance of the plant. River Doodhganga is flowing at a distance of 6 Km. The total project cost is Rs.74.50 Crores, out of which 200.95 Lakhs are earmarked towards CSR activity.

3. The project proposal was initially considered by the Maharashtra State Level Expert Appraisal Committee (SEAC) in its meeting held on 01st August, 2014 and had approved ToR for preparation of EIA. As the project is located within 5 km distance of interstate boundary; SEAC-1 in its 114th meeting held on 19th – 21st November, 2015 has categorized

the project as Category 'A' and desired to be appraised by Central EAC. The Member Secretary (SEAC-1) vide letter No. SEAC-2014/CR-45/TC-2 dated 08th January, 2016 has transferred the project to the Ministry of Environment, Forest and Climate Change, New Delhi.

4. All Sugar industry are listed at S.N. 5(j) (ii) of Schedule of Environmental Impact Assessment (EIA) Notification under category 'B'. The present proposal is located within 5 km distance of interstate boundary of Maharashtra and Karnataka. Due to the applicability of general condition i.e. located in whole or in part within 10 km from the inter-State boundaries; the proposal is treated as Category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

5. The project proposal was subsequently considered by the Expert Appraisal Committee (Industry -2) in its 6th meeting held during 30th March- 02nd April, 2016 and 13th meeting held during 26th-27th September, 2016. The project proponent and their consultant M/s Green Circle, Vadodara (accreditation case sub-judice) gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Terms of References (TORs) awarded by SEAC, Maharashtra for preparation of EIA-EMP report.

6. The PP has obtained environmental clearance (EC) for the existing Sugar unit (7500 TCD) from the State Environment Impact Assessment Authority (SEIAA) vide Environment Department, Government of Maharashtra letter no. ENV(NOC)2005/1591/CR224/TC-II dated 27th August, 2007. Regional Office of MoEF&CC at Nagpur, vide letter no. EC-41/RON/2016-NGP/691 dated 21.07.2016 has submitted the copy of certified compliance report to the environmental conditions prescribed in the existing EC. The EAC has found compliance report to be satisfactory.

7. Public Hearing for the proposed project has been conducted by the Maharashtra Pollution Control Board on 10.07.2015. The EAC has deliberated upon the issues raised during the public hearing and noted that the issues have satisfactorily been incorporated in the final EIA-EMP report.

8. The EAC, in its 13th meeting held during 26th-27th September, 2016, has found that the final EIA/EMP report submitted by the PP is adequate. The EAC after detailed deliberations, on the basis of the information and presentation made by the PP, has recommended the project for environmental clearance with certain conditions.

9. Based on the proposal and information submitted by the Project Proponent, and based on the recommendation by the Expert Appraisal Committee (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14th September 2006, subject to the compliance of the following Specific and General Conditions:

A. Specific Conditions:

- i. ESP/Bagfilter shall be provided to the bagasse fired boiler (20 TPH; 75 TPH and 90 TPH) to control particulate emissions within permissible limit. The gaseous

emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines. No wet scrubber shall be used. Existing boiler (55 TPH) will be converted into 75 TPH boiler.

- ii. Pucca approach road to project site should be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.
- iii. Total fresh water requirement from Doodhganga River shall not exceed 600 m³/day for sugar unit and Co-generation power plant. No ground water shall be used without permission. Effort shall be made to use recycled water from sugar and condensate of MEE for the co-generation power unit.
- iv. Water consumption also to be restricted to 100 liters / ton initially and further to 50 Liters/ton cane crushed in a time bound manner as per the CPCB guidelines.
- v. Effluent from sugar unit should be treated in the effluent treatment plant with adequate treatment with standard of 30 mg/l of BOD. Existing ETP shall be upgraded to achieve the standard of BOD 30 mg/l.
- vi. As proposed, no effluent from sugar plant should be discharged outside the premises and Zero discharge shall be achieved.
- vii. Bagasse/coal storage should be done in such a way that it does not get air borne or fly around due to wind.
- viii. Boiler ash should be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing alongwith the storm water. Direct exposure of workers to fly ash & dust should be avoided. Bagasse ash and coal ash should be stored separately.
- ix. Occupational health surveillance programme should be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre should be strengthened and the regular medical test records of each employee should be maintained separately.
- x. Dedicated parking facility for loading and unloading of material should be provided in the factory premises. Unit should develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.
- xi. All the issues raised during the public hearing/consultation meeting held on 10th July, 2015 should be satisfactorily implemented.
- xii. As proposed, green belt over 33% of plot area shall be developed 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. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- xiii. At least 5 % of the total cost of the project should be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with



financial and physical breakup/details should be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program should be ensured accordingly in a time bound manner.

B. General Conditions:

- i. The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board, State Government and any other statutory authority.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- iii. The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.
- iv. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- v. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.
- vii. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- viii. The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.
- ix. The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.

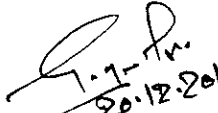


- x. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
 - xi. A separate Environmental Management Cell equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
 - xii. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
 - xiii. A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
 - xiv. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
 - xv. The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
 - xvi. The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at <http://moef.nic.in>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
 - xvii. The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
10. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.




11. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

12. The above conditions will be enforced, *inter alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.


20.12.2016
(Yogendra Pal Singh)
Scientist 'D'

Copy to:-

1. The Secretary, Environment Department, Government of Maharashtra, 15th Floor, New Administrative Building, Mantralaya, Mumbai- 400 032.
2. Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office(WCZ), Ground Floor, East Wing, New Secretariat Building, Civil Line, Nagpur-440001.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 110 032.
4. The Chairman, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai-400 022.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bhag, New Delhi- 110 003.
6. Guard File/Monitoring File/Website/Record File.


20.12.2016
(Yogendra Pal Singh)
Scientist 'D'