

## STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

No. SIA/MH/IND2/50190/2018.  
Environment Department  
Room No. 217, 2<sup>nd</sup> Floor,  
Mantralaya,  
Mumbai- 400032.  
Date:16.03.2020.

To

M/s Padmashree Dr. D.Y. Patil  
Sahakari Sakhar Karkhana Ltd,  
Survey No. 148, 6A, 6B, 7A, 8A,  
8B, 05, 15, 50, 305 at village  
Dnyanshantinagar, Vesaraf-Palsambe,  
P/o Aslaj, Kolhapur

Subject : Environment Clearance for Distillery project at Survey No. 148, 6A, 6B, 7A, 8A, 8B, 05, 15, 50, 305 at village Dnyanshantinagar, Vesaraf-Palsambe, P/o Aslaj, Kolhapur by Padmashree Dr. D.Y. Patil Sahakari Sakhar Karkhana Ltd

Reference : Application no. SIA/MH/IND2/50190/2018.

This has reference to your communication on the above mentioned subject. The proposal was considered by the SEAC- in its 177<sup>th</sup> meeting under screening category 5(g), 5(j) and 1 (d) as per EIA Notification, 2006 and recommend to SEIAA. Proposal then considered in 191<sup>st</sup> meeting of State Level Environment Impact Assessment Authority (SEIAA).

2. Brief Information of the project submitted by you is as below:-

- The EAC, MoEF&CC vide letter No. IA-J-11011/333/2018-IA-II(I) dated 18.11.2018 granted ToR for expansion of sugar cane crushing capacity from 4500 TCD to 5500 TCD, Establishment of 60 KLPD distillery unit and expansion of Co-gen from 19 MW to 23 MW. The Public Hearing was carried out on 16.04.2019.
- The total plot area is 34.70 Ha. The cost of proposed expansion of sugar cane crushing capacity and Co-gen plant is Rs. 171.64 Cr., and cost of proposed distillery unit is Rs. 71.82 Cr..
- PP proposes to manufacture following products.
  1. Sugar Cane Crushing – 5500 TCD
  2. Co-generation – 23 MW
  3. Rectified Spirit/ ENA/Ethanol – 60 KLPD
- Fusel oil generation will be 4KL/M.
- PP informed that, PP has granted water supply permission from the Irrigation Department for lifting of 254000 KL/season water from River Kumbhi. Total domestic sewage generated from the Sugar Industry, Co-gen plant and Distillery unit will be 51 CMD which will be treated in the existing and proposed Sewage Treatment Plant.
- The total trade effluent generation from existing Sugar Industry will be 368 KLD, after expansion 106 KLD effluent will be generated which will be treated in the ETP and treated water after meeting the prescribed standards will be used for on land irrigation. The trade effluent generation from

existing co-gen plant will be 144 CMD and after expansion effluent generation will be 153 KLD which will be treated in the Co-gen ETP and will fully recycled as makeup water to the cooling tower.

- The trade effluent generation from proposed 60 KLPD distillery unit will be 480 KLD in the form of spent wash which will be treated in the MEE (5 effect) and further formed concentrated spent wash 96 KLD will be incinerated in the incineration boiler. Other effluent from the distillery (namely MEE condensate, spent less, cooling and boiler blow down, lab & washing) will be 489 KLD will be treated in proposed CPU and will be fully reused in the process.
- PP further informed that, the estimated quantity of carbon dioxide generation is 45 MT/Day which will be cleaned, compressed and bottled and supplied to the manufactures of beverages etc.
- PP has provided Electrostatic precipitator followed by 75 meter stack height as air pollution control measures for existing 95 TPH Co-Gen boiler. Further, PP has proposed Electrostatic precipitator followed by 50 meter stack height as air pollution control measure for proposed 20 TPH boiler.
- The ash generation from Co-gen plant will be 25 MT/Day which will be given for brick manufacturing/ manure. The incineration boiler will generate 23 MT/Day ash which will go for palatalization.
- PP also proposes to adopt measures like good housekeeping, sludge management in biological processes, steaming of major pipelines, regular use of bleaching powder etc. to control the odour problem.
- PP agreed to develop green belt over an area of 17.34 ha. (50% of total plot area) by planting 26,016 nos. of indigenous trees.
- The proposed capital EMP cost of the project is Rs. 43.96 Cr and Recurring O&M cost is 3.12 Cr. and CER cost is Rs. 3.68 Cr.

3. The proposal has been considered by SEIAA in its 191<sup>st</sup> meeting and decided to accord Environment Clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implantation of following terms and conditions-

**Specific Conditions:**

- I. PP shall provide carbon dioxide bottling facility and ensure no carbon dioxide shall be emitted to the atmosphere.
- II. PP to provide sewage treatment plant for the treatment of domestic sewage generated in the factory and residential colony of the factory.
- III. PP to carry out physio chemical analysis of the ETP sludge and obtain approval from the agriculture department for its suitability to be used as manure/soil conditioner.
- IV. PP to use new and renewable energy for illumination of office buildings, street lights, parking areas and maintain the same regularly. PP to provide lightning arrestor.
- V. This EC is subject to submission of plan approval from ADTP.
- VI. PP to ensure that CER plan gets approved from District Collector.
- VII. PP to ensure to comply with the conditions stipulated in the Office Memorandum issued by MoEF& CC dated 9th August, 2018.


**General Conditions:**

- I. PP to achieve Zero Liquid Discharge ; PP shall ensure that there is no increase in the effluent load to CETP.
- II. No additional land shall be used /acquired for any activity of the project without obtaining proper permission.
- III. PP to take utmost precaution for the health and safety of the people working in the unit as also for protecting the environment.
- IV. Proper Housekeeping programmers shall be implemented.
- V. In the event of the failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation and shall not be restarted until the desired efficiency has been achieve.
- VI. A stack of adequate height based on DG set capacity shall be provided for control and dispersion of pollutant from DG set. (If applicable).
- VII. A detailed scheme for rainwater harvesting shall be prepared and implemented to recharge ground water.
- VIII. Arrangement shall be made that effluent and storm water does not get mixed.
- IX. Periodic monitoring of ground water shall be undertaken and results analysed to ascertain any change in the quality of water. Results shall be regularly submitted to the Maharashtra Pollution Control Board.
- X. Noise level shall be maintained as per standards. For people working in the high noise area, requisite personal protective equipment like earplugs etc. shall be provided.
- XI. The overall noise levels in and around the plant are 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 confirm to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989.
- XII. Green belt shall be developed & maintained around the plant periphery. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- XIII. Adequate safety measures shall be provided to limit the risk zone within the plant boundary, in case of an accident. Leak detection devices shall also be installed at strategic places for early detection and warning.
- XIV. Occupational health surveillane of the workers shall be done on a regular basis and record maintained as per Factories Act. XV (The company shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling.
- XV. The project authorities must strictly comply with the rules and regulations with regard to handling and disposal of hazardous wastes in accordance with the Hazardous Waste (Management and Handling) Rules, 2003 (amended). Authorization from the MPCB shall be obtained for collections/treatment/storage/disposal of hazardous wastes.
- XVI. Regular mock drills for the on-site emergency management plan shall be carried out. Implementation of changes / improvements required, if any, in the on-site management plan shall be ensured.

- XVII. A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.
- XVIII. Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should reported to the MPCB & this department.
- XIX. The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at <http://parivesh.nic.in>.
- XX. Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.
- XXI. A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- XXII. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely: SPM, RSPM, SO<sub>2</sub>, NO<sub>x</sub> (ambient levels as well as stack emissions) or critical sectorai parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- XXIII. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.
- XXIV. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent 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 EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.
4. The environmental clearance is being issued without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.
5. In case of submission of false document and non-compliance of stipulated conditions,

Authority/ Environment Department will revoke or suspend the Environment clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.
7. Validity of Environment Clearance: The environmental clearance accorded shall be valid as per EIA Notification, 2006, amended time to time.
8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.
9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.
10. Any appeal against this Environment clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

  
Anil Diggikar  
(Member Secretary, SEIAA)

Copy to:

1. Shri Johny Joseph, Chairman, SEIAA.
2. Secretary, MoEF & CC
3. IA- Division MOEF & CC
4. Member Secretary, Maharashtra Pollution Control Board, Mumbai.
5. Regional Office MoEF & CC, Nagpur
6. District Collector, Kolhapur.
7. Regional Officer, Maharashtra Pollution Control Board, Kolhapur.