



F.No.IA-J-11011/253/2018-IA.II(I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)  
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By Speed Post/Online

Vayu Wing, IIIrd Floor  
Indira Paryavaran Bhawan  
Jorbagh Road, New Delhi - 110003

Dated: 28<sup>th</sup> December, 2020

To

**M/s DalmiaChini Mills**

C/o M/s Dalmia Bharat Sugar and Industries Limited  
11<sup>th</sup>&12<sup>th</sup>Floors, Hansalaya Building  
15, Barakhamba Road, Connaught Place  
Delhi-110001

Email: mittal.pradeep@dalmiasugar.com

**Sub: Setting up 120 KLPD Molasses based Distillery along with 7 MW Co-generation Power plant at Village Ramgarh-Mahsui, Tehsil Misrikh, District Sitapur, Uttar Pradesh by M/s DalmiaChini Mills, Unit Ramgarh- Distillery Division (A unit of Dalmia Bharat Sugar and Industries Limited)-Environmental Clearance – regarding**

Sir,

This has reference to your proposal No.IA/UP/IND2/76077/2018 dated 20<sup>th</sup> October, 2020, submitting the EIA/EMP report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Setting up 120 KLPD Molasses based Distillery along with 7 MW Co-generation Power Plant by M/s DalmiaChini Mills in an area of 4.772 ha located at Village Ramgarh-Mahsui, Tehsil Misrikh, District Sitapur, Uttar Pradesh.

3. The details of products and capacity are as under:

S.No.	Units	Capacity	Products
1.	Distillery	120 KLPD	Ethanol/Extra Neutral Alcohol/Rectified Spirit/Impure alcohol
2.	Co-Generation Power Plant (Incineration based)	7MW	Power & steam

4. The land area available for the project is 4.772 ha (11.792 acres). Industry will develop greenbelt in an area of 1.58 ha covering 33% of total project area. The estimated project cost is Rs. 120 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 50 crores and the recurring cost (O&M) will be about Rs. 2 crores per annum. Number of working days of the distillery unit will be 365 days/annum. The project will provide employment for 70 persons (50 permanent and 20 temporary) during operation phase. Industry proposes to allocate Rs. 2.3 crores towards Corporate Environment Responsibility.



5. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance from the project site. Protected Forests are located at 5.5 km (N) and 8km (NNE) direction), and Gendharia RF (9.5 km in NE) are located within 10 km from project site. There are nine water bodies within 10 kms of the project site including Gomati River (5.8 km) and Beta Nadi (8 km).

6. Total fresh water requirement for the proposed project is estimated to be 640 KLPD (360 KLPD for distillery+ 120 KLPD for pump seals & scrubbers+ 150 KLPD boiler makeup water & 10 KLPD for domestic & others) which will be met from Groundwater. Effluent of 1078 KLPD quantity will be treated through Condensate Treatment Plant (Based on Anaerobic, aerobic treatment, filters, UV, UF & RO) of capacity 1100 KLPD. The plant will be based on Zero Liquid discharge system.

Total power requirement will be 2.5 MW which will be met from proposed 7 MW co-generation power plant. DG set of 1500 KVA capacity will be used as standby during power failure. Stack (8 m height) will be provided as per CPCB norms to the proposed DG set. The unit proposed to install 50 TPH slope (Conc. spent wash) fired incineration boiler with auxiliary fuel like Bagasse/Indian coal/biomass. Electrostatic Precipitator/Bag filter with a stack height of 68 meters will be installed for controlling the particulate emissions within the statutory limit for the proposed boiler.

Spent wash generated during molasses operation, will be concentrated in Multi-effect evaporator and then used as fuel in boiler. Ash will be used as manure due to rich potash content / used in-house for brick manufacturing unit or sold to fertilizer manufacturers. Filtered sludge will be mixed with press mud for manufacturing organic manure. Used oil & grease generated from plant machinery/gear boxes as hazardous waste will be given to authorized recyclers.

7. The project/activity is covered under category A of item 5 (g) 'Distilleries' of the Schedule to the Environment Impact Assessment Notification, 2006 and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) in the Ministry.

8. The Standard terms of reference (ToR) was issued by the Ministry vide letter dated 13<sup>th</sup> September, 2018. Public hearing for the project has been conducted by the Uttar Pradesh Pollution Control Board on 29<sup>th</sup> September, 2020, which was presided over by the Additional District Magistrate. The main issues raised during public hearing are related to cane payment, employment, water conservation, air and water pollution prevention, spent wash treatment, noise pollution, ground water for gardening, greenbelt development. It is informed by the project proponent that no litigation is pending against the proposal.

9. The proposal was considered by the Expert Appraisal Committee (Industry-3) in its meeting held on 17-19 November, 2020 in the Ministry, wherein the project proponent and their accredited consultant M/s JM EnviroNet Pvt. Ltd. presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

10. The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.



The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The Committee has found the baseline data and incremental GLC due to the proposed project within NAAQ standards. The Committee has also deliberated on the public hearing issues, action plan along with activities for addressing the socio-economic issues and found to be addressing the issues in the study area. The Committee noted that the project proponent proposed to undertake activities like Water conservation, Soil health improvement, Education & Infrastructure in schools for drinking water supply, Scientific support and awareness to local farmers to increase yield of crop and fodder, Health infrastructure improvement in nearby villages, Electrification including solar power & Solar Equipment, Development of greenbelt along the road and Dairy Project. Based on the deliberations in the EAC, project proponent has submitted additional information related to CPU, spent wash storage and air pollution control mechanism. The Committee found the additional information submitted by the project proponent to be satisfactory and addressing the issues raised by the Committee.

The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.

11. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

12. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-3), Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **Setting up 120 KLPD Molasses based Distillery along with 7 MW Co-generation Power plant by M/s DalmiaChini Millsat Village Ramgarh-Mahsui, Tehsil Misrikh, District Sitapur, Uttar Pradesh**, under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under:-

- (i). The company shall 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, and risk mitigation measures relating to the project shall be implemented.
- (ii). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.



Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture.

- (iii). As committed, Bag filter shall be installed as air pollution control equipment.
- (iv). As proposed, total fresh water requirement shall be 640 cum/day, proposed to be met from ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time.
- (v). Project Proponent want to install incineration boiler for treatment of spent wash to ensure ZLD. As committed by the project proponent, the spent wash/other concentrates shall be incinerated.
- (vi). CO<sub>2</sub> generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.
- (vii). Occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
- (viii). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
- (ix). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire-fighting system shall be as per the norms.
- (x). Process organic residue and spent carbon, if any, shall be sent to Cement/other suitable industries for its management/incinerations.
- (xi). The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- (xii). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
- (xiii). The activities and the action plan proposed by the project proponent to address the public hearing and socio-economic issues in the study area, shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit. All the commitments made during public hearing shall be satisfactorily implemented.
- (xiv). The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on ground water.
- (xv). There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.
- (xvi). Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xvii). Project Proponent shall reduce the quantity of effluents generation in the unit and PP shall install the effective wastewater treatment system. Adequate system shall be in



place for controlling the odour and mitigation measures to protect the contamination of ground/surface water.

- (xviii). Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- (xix). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

**12.1** The grant of environmental clearance is further subject to compliance of other general conditions as under:-

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. 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/SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The energy source for lighting purpose shall be preferably solar/LED based, or advance having preference in energy conservation and environment betterment.
- (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 station each 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 16<sup>th</sup> 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 to utilize the same for process requirements.
- (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 undertake all relevant measures for improving the socio-economic conditions of the surrounding area. The activities shall be undertaken by involving local villages and administration.
- (ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.



- (x) 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.
- (xi) 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.
- (xii) 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.
- (xiii) The environmental statement for each financial year ending 31<sup>st</sup> 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.
- (xiv) 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 and at <https://parivesh.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.
- (xv) 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.
- (xvi) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

13. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

14. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

15. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.



16. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

17. This issues with approval of the competent authority.

29/12/2020  
(Dr. R. B. Lal)

**Scientist 'E'/Additional Director**

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(डा. आर. बी. लाल)

(Dr. R. B. LAL)

वैज्ञानिक 'ई'/Scientist 'E'

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

Min. of Environment, Forest and Climate Change

भारत सरकार, नई दिल्ली

Govt. of India, New Delhi

**Copy to: -**

1. The Deputy DGF (C), MoEF&CC Regional Office (CZ), Kendriya Bhawan, 5<sup>th</sup> Floor, Sector "H", Aliganj, Lucknow, UP - 20
2. The Secretary, Department of Environment, Government of Uttar Pradesh, 601, BabuBhawan, Secretariat, Vidhan Sabha Marg, Lucknow, UP - 1
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Uttar Pradesh Pollution Control Board, Building No. TC-12V, VibhutiKhand, Gomti Nagar, Lucknow - 10
5. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi - 11
6. The District Collector, District Sitapur, Uttar Pradesh
7. Guard File/Monitoring File/Website/Record File/Parivesh Portal

(Dr. R. B. Lal)

**Scientist 'E'/Additional Director**