



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Whole Time Director
DAUND SUGARS LTD

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/MH/IND2/223258/2017 dated 18 Aug 2021. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC21A022MH113028 |
| 2. File No. | J-11011/467/2017-IA II (I) |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 5(g) Distilleries |
| 6. Name of Project | Expansion of Sugar Factory from 6,000 to 7,500 TCD and Molasses based Distillery from 90 to 120 KLPD by Daund Sugar Private Limited (DSPL), At: Gat No.99, Alegaon, Tal.: Daund, Dist.: Pune, Maharashtra |
| 7. Name of Company/Organization | DAUND SUGARS LTD |
| 8. Location of Project | Maharashtra |
| 9. TOR Date | 16 Nov 2017 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 26/10/2021

(e-signed)
A.K Pateshwary
Director
IA - (Industrial Projects - 2 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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This has reference to your online proposal No. IA/MH/IND2/223258/2017, dated 18th August, 2021 for environmental clearance to the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the proposed expansion of Sugar Factory from 6,000 to 7,500 TCD and Molasses based Distillery from 90 to 120 KLPD at Gat No.99, Alegaon, Daund taluk, Pune district, Maharashtra by M/s by Daund Sugar Private Limited (DSPL).

3. As per the provisions of "EIA Notification No. S.O. 1533 (E)" dated 14.09.2006; as amended vide Notification No. "S.O. 1960 (E)" dated 13.06.2019; the proposed expansion of Sugar Factory is listed at activity 5(j) under 'Category B' while Molasses based Distillery activity at 5(g) under Category 'A' respectively. As the Sugar Factory & Distillery projects are located in same premises as an integrated project complex, the entire proposal of expansion of Sugar Factory & Distillery is being appraised at Center Level by EAC of MoEFCC. No litigation is pending against the proposal.

4. Standard ToR has been issued by Ministry of Environment, Forests & Climate Change vide letter IA- J-11011/467/2017-IA II (I) dated 16th November, 2017 for Expansion of Sugar Factory from 6,000 to 7,500 TCD and Molasses based Distillery from 90 to 120 KLPD. Public hearing for expansion of Sugar Factory & Distillery was conducted on 19.06.2019 by Maharashtra Pollution Control Board presided by Additional District Magistrate, Pune. The main issues raised during the public hearing are air pollution, fire accidents and for providing free electricity, establishment of educational institutes in the locality.

5. The details of products and capacity are as under: -

Industrial unit	Product& By-product	Quantity(MT/M)		
		Existing	Expansion	Total
Sugar Factory (Expansion 6000-7500 TCD)	Capacity	(6000 TCD)	(1500 TCD)	(7500 TCD)
	Products			
	Sugar (11.5%)	20,754	5,196	25,950
	By-products			
	Molasses (4%)	7,200	1,800	9,000
	Bagasse (30%)	54,000	13,500	67,500
Co-Gen (Existing 18 MW)	Press Mud (4%)	7,200	1,800	9,000
	Electricity (MW)	18MW	-	18MW
Distillery (Expansion)	Products			
	Ethanol/ ENA/	2700	900 KLPM	3600KLPM
	By-Products			

90-120 KLPD)	Fusel Oil	5.1	1.5	6.6
	Carbon Di-oxide	2,250	750	3,000

6. Total plot land area is 10,19,900 M² with Existing built-up area 4,17,683 M². Industry has already developed green belt 3,37,086 M² (33% out of total plot area). Densification of trees will be done under Expansion activity.

7. The estimated project cost is Rs. 137.74 Crores including existing investment of Rs. 117.82 Crores. The distillery will be operated for 330 days. Total capital cost earmarked towards environmental pollution control measures under proposed project will be Rs. 1.70 Crores and the Recurring cost (operation and maintenance) will be about Rs. 0.25 Crores per annum. Total Employment will be 42 persons as direct & indirect after expansion project. Industry proposes to allocate Rs.61.50 Lakh towards Corporate Social Responsibility.

8. There are no national parks, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 Km Study Area. Bhima River is flowing at a distance of 2.0 Km from West to East direction.

9. Ambient air quality monitoring was carried out at 8 locations during January 2021 – February 2021- March 2021 and submitted baseline data indicates that ranges of concentrations of PM₁₀ (55.30 – 64.60 µg/M³), PM_{2.5} (17.50 – 25.50 µg/M³), SO₂ (12.70 – 21.90 µg/M³) and NO_x (10.70 – 25.30 µg/M³) respectively. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs would be 0.167 µg/M³ for PM₁₀ (towards East side), 0.049 µg/m³ for PM_{2.5} (towards East side), 2.22 for SO₂ µg/m³ (towards East side) and 0.175 µg/m³ NO_x (towards East side). The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

10. Total water requirement after expansion of Sugar Factory & Distillery will be 5546 CMD. Out of which 374 CMD will be fresh water taken from New Mutha Right Bank Canal & Bhima River. Total trade effluent generated from expansion activity of Sugar Factory @450 M³/Day will be treated through existing Effluent Treatment Plant (ETP) comprising of Primary, Secondary & Tertiary Treatment units. Treated effluent will be reused for green belt development in own factory premises. The process effluent generated after Distillery expansion would be in the form of raw Spentwash to the tune of 960 M³/Day which would be concentrated in Multiple Effect Evaporator (MEE) and the conc. Spentwash @ 192 MT/D (1.6 KL/KL of alcohol) would be blended with bagasse or coal and burnt in existing 40 TPH incineration boiler. Other effluents viz. spent lees @ 172 M³/D, MEE condensate @ 778 M³/D and allied effluents @ 96 M³/D will be treated in existing CPU which will be duly upgraded under of Distillery. Treated effluent from CPU will be

reused in process and boiler makeup, thereby achieving Zero Liquid Discharge (ZLD) for Distillery.

11. Power requirement after expansion will be 10.5 MW which will be met from own co-gen plant in premises. Existing unit has two DG sets having 1010 KVA each capacity. No additional DG set will be installed under expansion activity. DG sets to be used as standby during power failure. Stack (height 6 M) is provided as per CPCB norms to the existing DG Set. Existing Sugar Factory & Co-gen Plant has 100 TPH (Bagasse & Bio-gas Fired Boiler) & 15 TPH (bagasse fired boiler). ESP with a stack of height of 70 M is installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the boiler. Existing Distillery has one 40 TPH Spentwash & Bagasse/Coal fired Incineration Boiler which is already installed. ESP with a stack of height of 82 M is installed for controlling the particulate emissions within the statutory limit of 115 mg/Nm³ for the boiler.

12. Details of Process emissions generation and its management:

The CO₂ generation shall take place in fermenters of the distillery. CO₂ to the tune of 100 MT/Day shall be released from 120 KLPD distillery plant. CO₂ shall be compressed, bottled and supplied to manufacturers of beverages

13. Details of Solid waste/Hazardous waste generation and its management:

Details of Solid waste generated & its management

No.	Industrial Unit	Type	Quantity (MT/M)		Disposal
			Existing	Proposed	
1	Distillery	Boiler Ash	1,260	1,770	Sale to Brick manufacture
		Yeast Sludge	570	780	Burnt in Incineration Boiler
		CPU Sludge	24	30	
2	Sugar Factory	ETP Sludge	11.4	13.5	Used as Manure
		Boiler Ash (Bagasse)	480	720	Sale to Brick manufacture

Details of Hazardous waste generated & its management

No.	Category	Quantity		Disposal
		Existing	After Expansion	
1	(5.1) Used / Spent	857	1071Lits/A	Reuse in own boiler
2	(34.4) Chemical Sludge, Oil &	21.5 MT/A	27 MT/A	Used as manure

No any hazardous waste will be generated from distillery unit.

14. Certified compliance report submitted by IRO, MoEFCC, Nagpur vide letter EC-21/RO/2016-NGP/7352 dated 16.10.2021 wherein 5 non/partial compliances were reported. PP informed that ATR towards the non-compliances was submitted to RO vide letter dated 05.11.2020.

During deliberations EAC suggested that PP shall construct a brick making plant within the industry which shall utilize Spent wash and coal ash after combustion in incineration boiler for making bricks. Further, EAC desired commitment from the PP for the following:

- After distillery expansion, only in case of non-availability of bagasse, industry may use imported coal of low ash content and low sulphur content for incineration boiler.
- CO2 bottling plant shall be installed.
- PP shall utilize funds allocated for CER for providing drinking water facilities and for installing solar street lights within nearby villages.

PP agreed for the same and submitted an undertaking in the compliance of the above.

15. The proposal was considered by the EAC in its 40th meeting held during 14th- 16th September, 2021 in the Ministry, wherein the project proponent and their consultant M/s. Equinox Environments (I) Pvt. Ltd presented the EMP report as per the ToR. The Committee found the EMP report complying with the PFR and recommended the project for grant of environmental clearance.

16. 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/EMP 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.

17. The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. 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.

18. 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.

19. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby **accords** environmental clearance for project proposed expansion of Sugar Factory from 6,000 to 7,500 TCD and Molasses based Distillery from 90 to 120 KLPD at Gat No.99, Alegaon, Daund taluk, Pune district, Maharashtra by M/s by Daund Sugar Private Limited (DSPL), under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under: -

A. Specific Conditions:

(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) The project proponent will treat and reuse the treated water within the integrated industry and no waste or treated water shall be discharged outside the premises.

(iii) Total freshwater requirement shall not exceed 374 CMD which will be sourced from New Mutha Right Bank Canal & Bhima River. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises.

(iv) Raw spent wash will be concentrated in MEE. Concentrated spentwash will burnt in incineration boiler. PP shall install brick manufacturing plant within factory for utilization of ash obtained from combustion for manufacturing bricks.

(v) CO₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.

(vi) 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.

(vii) 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.

(viii) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.

(ix) Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.

(x) 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.

(xi) 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.

(xii) As committed, PP shall spend Rs. 63.00 Lakhs towards CER for providing drinking water facilities and for installing solar street lights within nearby villages.

(xiii) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per CPCB norms and no parking to be allowed outside on public places.

(xiv) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

(xv) 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.

(xvi) 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.

B. General Conditions:

(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, as applicable, 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 LED based, or advanced having preference in energy conservation and environment betterment.

(iii) 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 the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).

(iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.

(v) 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.

(vi) 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.

(vii) 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.

(viii) 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.

(ix) 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.

(x) 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.

(xi) 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.

20. 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.

21. 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 Environment (Protection) Act, 1986.

22. 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.

23. The above conditions will 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, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.

24. This issues with the approval of the competent authority.

(Ashok Kumar Pateshwary)
Director

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, Mumbai 400 032
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Ground Floor, East Wing, New Secretariat Building, Civil Lines, Nagpur- 440001 Maharashtra
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Maharashtra Pollution Control Board, Kalpataru Point, 3rd and 4th floor, Opp. Cine Planet, Sion Circle, Mumbai – 22
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Pune, Maharashtra
7. Guard File/Monitoring File/Parivesh portal/Record File.

(Ashok Kumar Pateshwary)
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