



Office Dispatch No.: **PBIP/PCB/2024/1404**

Date: **07/08/2024**
09

To

ASHISH MISHRA
F NO 1304 BLOCK C
S.A.S NAGAR, MOHALI - 140603

Subject:- Grant Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981 for discharge of emissions arising out of premises.

With reference to your application for obtaining Varied 'Consent to Operate' u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are, hereby, authorized to operate an industrial unit for discharge of the emission(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

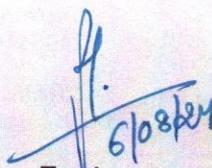
1. Particulars of Consent to Operate under Air Act, 1981 granted to the Industry:

PIN	230282840
Application No.:	2403416387
Date of Issue:	06-Aug-2024
Date of Expiry:	31-Mar-2025
Certificate Type:	Varied
Certificate No:	CTOA/Varied/PBIP/SAS/2024/230282840

2. Particulars of the Industry:

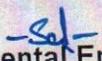
Name & Designation of the Applicant:	Ashish Mishra, (Director)
Name of Business Entity	CHANDIGARH DISTILLERS AND BOTTLERS LIMITED
Name of the Project/Unit:	CHANDIGARH DISTILLERS AND BOTTLERS LIMITED
Address of Project/Unit:	CHANDIGARH DISTILLERS AND BOTTLERS LIMITED, BANUR , Mohali , S.A.S Nagar
Capital Investment of the Industry(in lakhs):	3500
Category of Industry:	Red
Type of Industry:	1060 - Distillery (molasses / grain / yeast based)
Scale of the Industry:	Large - > Rs. 50 Crore
Office District:	SAS Nagar
Consent Fee Details:	Already deposited Rs. 282500 /- vide R. no. 379093774 dated 09.12.2023 under the Air (Prevention & Control of Pollution) Act, 1981. Now deposited Rs. 64100/- vide R. no. 2403416387 dated 18.03.2024 as CTE regularization fee.
Raw Materials (Name with quantity per day):	GRAIN @ 1015 Metric Tonnes/Day

Products (Name with quantity per day):	RS/ENA/Industrial Alcohol/Ethanol @ 480 Kilo Liters/Day (with Ethanol production restricted to 360 KLD) CO-GENERATION @ 8.25 Megawatt CO-GENERATION @ 3.10 Megawatt
By Products, if any (Name with quantity per day) :	Fusel Oil @ 0.0043 Kilo Liters/Day Animal Feed Supplement @ 203.0 T/day
Details of the machinery and processes:	As per application form.
Sources of emissions and type of pollutants:	Boilers - SPM DG sets - SPM, SOx and NOx
Mode of disposal of emissions with stack height:	1. Boiler 30 TPH capacity - Stack of 52m height above ground level 2. Boiler 55 TPH capacity - Stack of 56 m height above ground level 3. Four no. DG Sets of 1000 KVA each - Individual Stacks of height as per following formula: $H = h + 0.2 (KVA)^{0.5}$ where h = height of the building in meters where the generator set is installed. 4. Boiler 75 TPH capacity - Stack of 55 m height above ground level.
Quantity of fuel required in TPD:	1. Boiler 30 TPH capacity - Fuel Rice Husk & Agro waste @ 189 MT/day 2. Boiler 55 TPH capacity - Fuel Rice Husk & Agro waste @ 347 MT/day 3. Four no. DG Sets of 1000 KVA each - HSD as fuel @ 4500 Lit/ day each 4. Boiler 75 TPH capacity - Paddy Straw @ 600 TPD.
Type of Air Pollution Control Devices to be installed:	1. Boiler 30 TPH capacity - Treema Cyclone followed by wet scrubber provided as APCD. 2. Boiler 55 TPH capacity - ESP followed by wet scrubber provided as APCD. 3. Four no. DG Sets of 1000 KVA each - Canopies provided with each DG Set. 4. Boiler 75 TPH capacity - ESP provided as APCD.
Standard to be achieved under Air(Prevention & Control of Pollution) Act, 1981:	As prescribed by the CPCB/MoEF&CC/ PPCB, from time to time.


 Senior Environmental Engineer (PBIP)
 for & on behalf of
 Chief Environmental Engineer (PBIP)

A copy of the above is forwarded to the following for information and necessary action please:

1. Senior Environmental Engineer, Zonal Office-1, Patiala.
2. Environmental Engineer, Regional Office, SAS Nagar.


Senior Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

A. GENERAL CONDITIONS

1. The industry shall apply for consent of the Board as required under the provision of Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981 & Authorization under Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016, two months before the commissioning of the industry.
2. The industry shall provide adequate arrangements for fighting the accidental leakages/ discharge of any air pollutant/gas/liquids from the vessels, mechanical equipments etc. which are likely to cause environmental pollution.
3. The Industry shall apply for further extension in the validity of the CTE atleast two months before the expiry of this CTE, if applicable.
4. The industry shall comply with any other conditions laid down or directions issued by the Board under the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981 from time to time.
5. The project has been approved by the Board from pollution angle and the industry shall obtain the approval of site from other concerned departments, if need be.
6. The industry shall get its building plans approved under the provisions of section 3-A of Punjab Factory Rules, 1952
7. The industry shall put up display board indicating the Environment data in the prescribed format at the main entrance gate
8. The industry shall provide port-holes, platforms and/or other necessary facilities as may be required for collecting samples of emissions from any chimney, flue or duct or any other outlets

Specifications of the port-holes shall be as under:

- i) The sampling ports shall be provided atleast 8 times chimney diameter downstream and 2 times upstream from the flow disturbance. For a rectangular cross section the equivalent diameter (D_e) shall be calculated from the following equation to determine upstream, downstream distance:-

$$D_e = 2 LW / (L+W)$$

Where L= length in mts. W= Width in mts.

- ii) The sampling port shall be 7 to 10 cm in diameter

9. The industry shall discharge all gases through a stack of minimum height as specified in the following standards laid down by the Board.

(i) Stack height for boiler plants

S.No.	Boiler with Steam Generating Capacity	Stack heights
1	Less than 2 ton/hr	9 meters or 2.5 times the height of neighboring building which ever is more
2	More than 2 ton/hr to 5 ton/hr	12 meters
3	More than 5 ton/hr to 10 ton/hr	15 meters
4	More than 10 ton/hr to 15 ton/hr	18 meters
5	More than 15 ton/hr to 20 ton/hr	21 meters
6	More than 20 ton/hr to 25 ton/hr	24 meters

7	More than 25 ton/hr to 30 ton/hr	27 meters
8	More than 30 ton/hr	30 meters or using the formula $H = 14 Q_g^{0.3}$ $H = 74 (Q_p)^{0.24}$ Where Q_g = Quantity of SO ₂ in Kg/hr. Q_p = Quantity of particulate matter in Ton/day.

Note : Minimum Stack height in all cases shall be 9.0 mtr. or as calculated from relevant formula whichever is more.

(ii) For industrial furnaces and kilns, the criteria for selection of stack height would be based on fuel used for the corresponding steam generation.

(iii) Stack height for diesel generating sets:

Capacity of diesel generating set		Height of the Stack
0-50 KVA	Height of the building	+ 1.5 mt
50-100 KVA	-do-	+ 2.0 mt
100-150 KVA	-do-	+ 2.5 mt
150-200 KVA	-do-	+ 3.0 mt
200-250 KVA	-do-	+ 3.5 mt
250-300 KVA	-do-	+ 3.5 mt

For higher KVA rating stack height H (in meter) shall be worked out according to the formula:

$$H = h + 0.2 (KVA)^{0.5}$$

where h = height of the building in meters where the generator set is installed.

10. The industry shall put up canopy on its DG sets and also provide stack of adequate height as per norms prescribed by the Board and shall ensure the compliance of instructions issued by the Board vide office order no. Admin./SA-2/F.No.783/2011/448 dated 8/6/2010.

11. The industry shall provide flow meters at the source of water supply, at the outlet of effluent treatment plant and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th day of the following month.

12. The industry shall make necessary arrangements for the monitoring of stack emissions and shall get its emissions analyzed from lab approved / authorized by the Board:-

(i) Once in Year for Small Scale Industries.

(ii) Twice/thrice/four time in a Year for Large/Medium Scale Industries

13. The pollution control devices shall be interlocked with the manufacturing process of the industry.

14. The Board reserves the right to revoke this "consent to establish" (NOC) at any time, in case the industry is found violating any of the conditions of this "consent to establish" and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time

15. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per acre along the boundary of the industrial premises.

16. The issuance of this consent does not convey any property right in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or Local Laws or Regulations.

17. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.

18. Nothing in this NOC shall be deemed to neither preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities or penalties to which the applicant is or may be subjected under this or any other Act.

19. The diversion or bye pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this consent is prohibited except.

(i) Where unavoidable to prevent loss of life or some property damage or

(ii) Where excessive storm drainage or run off would damage facilities necessary for compliance with terms and conditions of this consent. The applicant shall immediately notify the consent issuing authority in writing of each such diversion or bye-pass.

20. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.

21. The industry shall comply with the conditions imposed if any by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06.

22. The industry shall earmark a land within their premises for disposal of boiler ash in an environmentally sound manner, and / or the industry shall make necessary arrangements for proper disposal of fuel ash in a scientific manner and shall maintain proper record for the same, if applicable.

23. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.

24. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable

25. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.

26. The Industry shall comply with the code of practice as notified by the Government / Board for the type of Industries where the siting guidelines / code of practice have been notified

27. Solids, sludge, filter backwash or other pollutant removed from or resulting from treatment or control of waste waters shall be disposed off in such a manner so as to prevent any pollutants from such materials from entering into natural water

28. The industry shall submit a detailed plan showing therein, the distribution system for conveying wastewaters for application on land for irrigation along with the crop pattern to be adopted throughout the year

29. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.

30. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the NOC and shall not carry out any expansion without the prior permission/NOC of the Board.

31. All amendments/revisions made by the Board in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.

32. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.

33. The industry shall maintain the following record to the satisfaction of the Board :-

(i) Log books for running of air pollution control devices or pumps/motors used for it.

(ii) Register showing the result of various tests conducted by the industry for monitoring of stack emissions and ambient air.

(iii) Register showing the stock of absorbents and other chemicals to be used for scrubbers.

34. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.

35. The industry shall establish sufficient number of piezometer wells in consultation with the concerned Regional Office, of the Board to monitor the impact on the Ground Water Quantity due to the industrial operations, if applicable.

36. The industry shall provide adequate and appropriate air pollution control devices to contain emissions from handling, transportation and processing of raw material & product of the industry


Senior Environmental Engineer (PBIP)
for & on behalf of
Chief Environmental Engineer (PBIP)

B. SPECIAL CONDITIONS

1. This consent is only valid for production of RS/ENA/Industrial Alcohol @ 480 Kilo Liters/Day (With Ethanol Production restricted to 360 KLD) and operation of Co-Generation Plants of capacities 8.25 Megawatt & 3.1 Megawatt with operation of newly installed paddy straw-based boiler of capacity 75 TPH (as a stand-by arrangement to existing 55 TPH & 30 TPH boilers), within existing premises.
2. This consent to operate is being issued to the project proponent in supersession to the earlier granted consent to operate under the Air (Prevention & Control of Pollution) Act, 1981 vide no. CTOA/Varied/PBIP/BTH/2023/2312993089 dated 24.01.2024, having validity upto 31.03.2025.
3. The industry shall only manufacture the products and limit their quantities, for which it has been granted consent to operate from the Board. It shall not manufacture any other product without the prior written permission of the Board/ Competent Authority. Further, the industry shall stick to the production capacity mentioned in this consent letter w.r.t the production capacity of Alcohol as well as Ethanol.
4. The industry shall construct proper permanent shed for storage of biomass and make adequate arrangements of fire fighting in the storage area of paddy bales/ biomass to avoid any major fire outbreak, within 3 month-time.
5. Boiler ash will be supplied to brick manufactures for brick manufacturing and nearby farmers for farm filling/ conditioning of Soil etc. in covered vehicles only.
6. The industry shall provide OCEMS with the stack of new boiler of capacity 75 TPH and shall connect this with PPCB and CPCB servers, within one month and submit compliance to the Regional Office of the Board.
7. The industry shall only operate the newly installed paddy straw-based boiler of capacity 75 TPH as a stand-by arrangement to existing 55 TPH & 30 TPH boilers.
8. The industry shall not carry out any further expansion or modifications in the plant, without obtaining prior written permission from the Board and/ or revised Environment Clearance from the Competent Authority.
9. The industry shall comply with all terms & conditions mentioned in the Environmental Clearance granted to it by MoEF&CC, New Delhi vide no. J-11011/454/2011-IA II (I) dated 31/07/2023, with utmost sincerity and commitment, ensuring compliance in both letter and spirit.
10. The industry will make proposal for utilizing the funds reserved for CER activities in consultation with the Board and shall utilize the same accordingly within the stipulated time frame.
11. The industry shall obtain site clearance u/s 41 (A) of the Factories Act, 1948 from the competent authority before carrying out any activity/ construction regarding the expansion project for which it has already obtained CTE, if applicable.
12. The industry shall adhere with emission standards of Particulate matter @ 50 mg/Nm³ for its paddy/ biomass fired 75 TPH boiler, as per the condition of Environmental Clearance granted to it.
13. The industry shall ensure that due to operation of the unit at the site, no nuisance for general public is created at any time and no public complaints are received.
14. The adequacy/ efficacy of the pollution control arrangements shall be the sole responsibility of the industry and the industry shall be bound to implement/ upgrade its pollution control arrangements as per the discretion of the Board to achieve the prescribed emission/ effluent standards, as amended from time to time.
15. The industry shall comply with the provisions of Solid Waste Management Rules, 2016.
16. The industry shall obtain the authorization under the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
17. The establishment shall obtain all the statutory approvals/clearances from the concerned departments.
18. The project proponent shall make use of alternatives of single use plastics (SUP) within its premises and will not use any SUP items banned in accordance with MoEF&CC notification no. G.S.R. 571(E) dated 12.08.2021.

19. The Punjab Pollution Control Board shall have the liberty to revoke this consent & take penal action against the industry/project proponent and its responsible/ concerned person(s), in case any information/document provided by the industry/ project proponent is found to be incorrect/false/misleading at any point of time.

20. In case the project proponent fails to comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, Environment (Protection) Act, 1986 and/or any other environmental law applicable to the project and Rules, Circulars & Directions issued by the Board from time to time, action as deemed fit shall be taken against the project proponent.

21. The Punjab Pollution Control Board shall not be responsible for any financial liability and/ or any other liability of the project proponent, due to grant of this Consent to Operate.


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Chief Environmental Engineer (PBIP)