



PUNJAB POLLUTION CONTROL BOARD

REGIONAL OFFICE
INDUSTRIAL FOCAL POINT, SANGRUR

Website:- www.ppcb.gov.in

Office Dispatch No : 360

Registered/Speed Post

Date: 25-1-2021

Industry Registration ID: R14SGR799065

Application No : 14517052

To,

Mintu Bansal
Cheema Road, Village Dhadrian, Tehsil & Distt. sangrur
Sangrur, Sangrur-148106

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

Consent to Operate Certificate No.	CTOA/Varied/SGR/2021/14517052
Date of issue :	25/01/2021
Date of expiry :	30/09/2026
Certificate Type :	Varied
Previous CTO No. & Validity :	CTOA/Renewal/SGR/2019/11180788 From: 02/10/2019 To: 30/09/2020

2. Particulars of the Industry

Name & Designation of the Applicant	Mintu Bansal , (Proprietor)
Address of Industrial premises	Madhav Agro Foods, , Cheema Road, Village Dhadrian, , Sangrur, Sangrur-148106
Capital Investment of the Industry	183.28 lakhs
Category of Industry	Orange
Type of Industry	2094-Rice Mills (With or without dryer)> 10 TPD
Scale of the Industry	Small
Office District	Sangrur
Consent Fee Details	Rs. 70,000/- deposited vide R.No. 93/4791 dated 06/08/2018
Raw Materials (Name with Quantity per day)	Paddy @ 4.5 TPH
Products (Name with Quantity per day)	Sortex Raw Rice (with Dryer) @ 3.0 TPH
By-products, if any, (Name with Quantity per day)	Rice Husk Rice Bran

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TERMS AND CONDITIONS

A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Ltd. or for getting loan from the financial institutions.
2. The industry shall apply for renewal /extension of consent at least two months before expiry of the consent.
3. The industry shall not violate any of the norms prescribed under the Air (Prevention & Control of Pollution) Act, 1981, failing which, the consent shall be cancelled / revoked.
4. The achievement of adequacy and efficiency of the air pollution control devices installed shall be the entire responsibility of the industry
5. The authorized fuel being used shall not be changed without the prior written permission of the Board.
6. The industry shall not discharge any fugitive emissions. All gases shall be emitted through a stack of suitable height, as per the norms fixed by the Board from time to time.
7. 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

8. The industry shall put display Board indicating environmental data in the prescribed format at the main entrance gate.
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 whichever 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 $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ 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:

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(i) All failures of control equipments.

(ii) The emissions of any air pollutant into the atmosphere in excess of the standards lay down by the Board occurring or being apprehended to occur due to accident or other unforeseen act or event. 'Shall be intimated through fax to the concerned Regional Office as well as to the Director of Factories, Punjab, Chandigarh as required under rule 10 of the Punjab State Board for the Prevention and Control of Air Pollution Rules, 1983'.

19. The industry shall plant minimum of three suitable varieties of trees at the density of not less than 1000 trees per hectare all along the boundary of the industrial premises.
20. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
21. The industry shall comply with the conditions imposed by the SEIAA/MOEF in the Environmental Clearance granted to it as required under EIA notification dated 14/9/06, if applicable.
22. 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.
23. 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.
24. The industry will install the separate energy meter for running pollution control devices and shall maintain record with respect to operation of air pollution control device so as to satisfy the Board regarding the regular operation of air pollution control device and monthly reading / record may be sent to the Board by the fifth of the following month.
25. The industry shall provide online monitoring system as applicable, for in stack emission and shall maintain the record of the same for inspection of the Board Officers.
26. The Board reserves the right to revoke the consent granted to the industry at any time, in case the industry is found violating the provisions of Air (Prevention & Control of Pollution) Act, 1981 as amended from time to time.
27. The industry shall comply with any other conditions laid down or directions issued in due course by the Board under the provisions of the Air (Prevention & Control of Pollution) Act, 1981.
28. Nothing in this consent 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 to under this or any other Act.
29. Any amendments/revisions made by the Board/CPCB/MOEF in the emission/stack height standards shall be applicable to the industry from the date of such amendments/revisions.
30. The industry shall dispose off its solid waste generated by the burning of fuel in an Environmentally Sound Manner within the premises/outside as approved by the Board, to avoid public nuisance and air pollution problem in the area.
31. The industry shall ensure that no air pollution problem or public nuisance is created in the area due to the discharge of emissions from the industry.
32. The industry shall provide adequate arrangement for fighting the accidental leakage/discharge of any air pollutant/gas/ liquids from the vessels, mechanical equipment's etc, which are likely to cause environmental pollution.
33. The industry shall not change or alter the manufacturing process(es) and fuel so as to change the quality/quantity of emissions generated without the prior permission of the Board.
34. 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.
35. The industry shall obtain and submit Insurance cover under the Public Liability Insurance Act, 1991.
36. The industry shall provide proper and adequate air pollution control arrangements for control emission from its fuel handling area, if applicable.

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Madhav Agro Foods, Cheema Road, Village Dhadra

1. This consent is valid for production of Sortex Raw Rice (with Dryer) @ 3.0 TPH by using Paddy @ 4.5 TPH as raw material, in its premises located at Cheema Road, Village Dhadrian, Tehsil & District Sangrur.
2. The industry shall not install saila plant, boiler furnace or DG set in its premises, without prior written permission of the Board.
3. The industry shall ensure that the emission from each stack shall conform to emission standards prescribed by the Board.
4. The industry shall comply with the following code of practice notified by Punjab Govt., Deptt. of STE vide its Notification no. 10/48/2004-STE (4)/932 dated. 15/10/2013 which is reproduced as under:-
 - A) Code of Practices
 - i) All the processing sheds be covered and have minimum ventilation as per the recommendations of Director of Factories.
 - ii) The industry should plant thick plantation of spreading crown varieties of evergreen trees all along the boundary wall of the rice sheller / saila plant.
 - iii) All dust emitting points should be properly hooded and dust extracted to a common point. At this exhaust point, dust coming here will be passed through a dust control system and air will be emitted through a stack of height 3 meters above the roof of the building.
 - iv) The management and handling of rice husk in the rice shelling units / saila plants should be done as under:
 - a) All the rice shelling units / saila plants shall provide paved / brick roads / cement concrete roads / metalead roads inside their premises for movement of vehicles, so as to prevent the generation of dust.
 - b) The industry shall provide proper rice husk storage facilities inside the factory premises and the height of brick wall in front of the discharge point of rice husk area should be at least 10' high or 3.5' higher than the discharge point of the rice husk pipe (whichever is more) and the length of aforesaid brick wall should be at least 35' on each side of the rice husk discharge pipe.
 - c) The industry shall provide a layer of wind screen of mild steel or some other similar material of at least 5' height above the brick wall. The wind screen system should have a porosity of ~30% to lower the wind velocities, thus reducing the amount of airborne particulate from storage, handling and loading / unloading areas of rice husk.
 - d) The minimum diameter at the outlet of discharge pipe of rice husk be kept as 15", which can be maintained by extending the existing discharge pipe with the help of a conical shaped pipe of at least 3' length.
 - e) Wherever the height of rice husk is 3' or more, the industry shall cover the heap of husk with HDPE warp knitted fabric completely, except the area near the discharge pipe. The HDPE warp knitted fabric be made of 100% virgin high density polymer of at least 70 gm/m² weight having 40-45 hole/inch² to prevent wind blowing of stored husk.
 - f) During transportation of rice husk through vehicles, it shall be covered from all sides with tarpaulin to prevent blowing of husk by winds.
5. The industry shall not consume any fuel except rice husk in dryer furnace for burning purposes without the prior written permission of the Board.
6. The rice sheller shall get its stack emission sample analyzed from Board / Board's approved lab every season and thereafter shall submit the analysis report to the Board.
7. The industry shall be bound to achieve prescribed stack emission standards laid down by the PPCB/CPCB and shall also upgrade its existing APCD to achieve the said standards.
8. The industry shall make plantation in the open area, where the same is feasible, to contribute to increase in the green cover and shall inform the Board in this regard before commissioning of the unit before next shelling season.
9. The industry shall dispose of the dust contained by APCD in an environmentally sound manner.
10. The industry shall keep the APCD in good running conditions at all the times and shall also operate the same properly and effectively so as to achieve the standards prescribed by the Board.
11. The industry shall get its APCD monitored from Board's lab & shall submit analysis report to the Board within one month, after commissioning of the unit in the coming season.
12. The industry shall provide proper and permanent approach to the sample collection facility and the same shall be maintained in proper conditions at all the times.
13. The industry shall dispose of fuel ash generated from the operation of dryer furnace in an environmentally sound manner and shall also maintain the record, in this regard.
14. The industry shall ensure that no air pollution problem or public nuisance is created in the area due to discharge of emissions from the industry.
15. The industry shall install Bag Filter House as APCD to control emissions from shelling section and dryer section to achieve prescribed emission standards as and when asked by the Board, as per undertaking submitted by it.
16. The industry should confirm to the following ambient noise levels prescribed under Rule 13 (1) of Noise Pollution (Regulation & Control) Rules, 2000 at their boundary limits:

Sr. No.	Parameters	Day Time	Night Time
1.	Industrial Area	75	70
2.	Commercial Area	65	55
3.	Residential Area	55	45
4.	Silence Zone	50	40

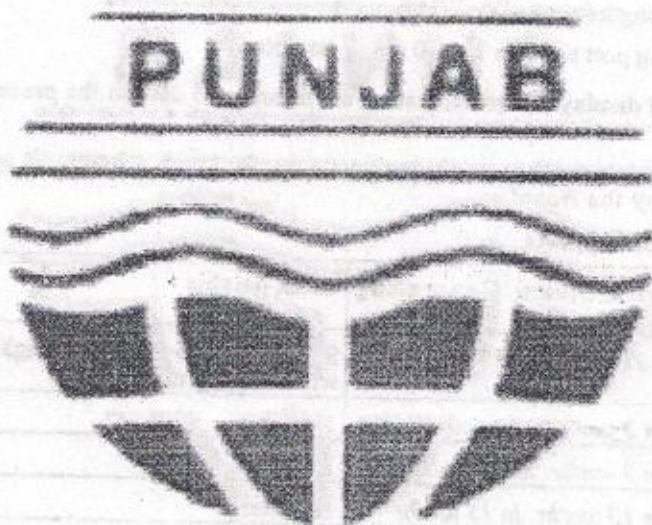
(limits in dB(A))

- Note: i) Day time shall mean from 6.00 a.m. to 10.00 p.m.
 ii) Night time shall mean from 10.00 p.m. to 6.00 a.m.

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37. 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.
38. The industry shall not cause any nuisance/traffic hazard in vicinity of the area
39. The industry shall ensure that the noise & air emission from D.G. sets do not exceed the standards prescribed for D.G. sets by the Ministry of Environment & Forests, New Delhi.
40. The industry shall ensure that there will not be significant visible dust emissions beyond the property line
41. 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.
42. The Industry shall ensure that its production capacity does not exceed the capacity mentioned in the consent and shall not carry out any expansion without the prior permission / NOC of the Board.

B. SPECIAL CONDITIONS



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[Signature]
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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 pollution control devices shall be interlocked with the manufacturing process of the industry to ensure its regular operation.
11. The existing pollution control equipment shall be altered or replaced in accordance with the directions of the Board, and no pollution control equipment or chimney shall be altered or as the case may be erected or re-erected except with the prior approval of the Board.
12. The industry will provide canopy and adequate stack with the D.G sets so as to comply with the provision of notification No GSR-371 E dated 17-5-2002(amended from time to time) issued by MOEF under Environment (Protection) Act, 1986.
13. The Govt. of Punjab, Department of Science, Technology & Environment vide its notification no.4/46/92-3ST/2839 dt. 29/12/1993 has put prohibition on the use of rice husk as fuel after 1.4.1995 except the following:-
 $\frac{1}{2}$ In the form of briquettes and use of rice husk in fluidized bed combustion. So the industry shall make the necessary arrangement to comply with the above notification. $\frac{1}{2}$
14. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year
15. That the industry shall submit a yearly certificate to the effect that no addition / up-gradation/ modification/ modernization has been carried out during the previous year otherwise the industry shall apply for the varied consent.
16. a) The industry shall ensure that at any time the emission do not exceed the prescribed emissions standards laid down by the Board from time to time for such type of industry /emissions.
 b) The industry shall ensure that the emissions from each stack shall conform to the following emission standards laid down by the Board in respect of the Industrial Boilers.

Steam Generating capacity A.	Required particulate matter B.	
Area upto 5 Km from Other than 'A' class Other than the periphery of I and Class-II town		
Less than 2 ton/hr.	800 mg/NM ³	1200 mg/NM ³
2 ton to 10 ton/hr.	500 mg/NM ³	1000 mg/NM ³
Above 10 ton to 15 ton/hr	350 mg/NM ³	500 mg/NM ³
Above 15 ton/hr	150 mg/NM ³	150 mg/NM ³

All emissions normalized to 12% carbon dioxide.

17. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008, without any adverse effect on the environment, in any manner.
18. The air pollution control equipments shall be kept at all time in good running condition and;

For Madhav Agro Foods
5/12/2007
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