



# PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, Vatavaran Bhawan, Nahha Road, Patiala

Website: - www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: O22SAS474211

Application No : 20558351

To,

Deepak Gandhi  
H. No. 33., M.s. Enclave, Ward No. 3, Dhakauli, Dera Bassi, s.a.s Nagar,  
Punjab-140603

Subject: Grant of "Consent to Establish"(NOC) for an industrial unit u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981.

With reference to your application for obtaining fresh 'Consent to Establish'(NOC) an industrial plant u/s 25 of Water (Prevention & Control of Pollution) Act, 1974 and u/s 21 of Air (Prevention & Control of Pollution) Act, 1981, you are, hereby, permitted to establish the industrial unit to discharge the effluent(s) & emission(s) arising out of your premises subject to the Terms and Conditions as specified in this Certificate.

## 1. Particulars of Consent to Establish (NOC) granted to the Industry

Certificate No.	CTE/Fresh/SAS/2022/20558351
Date of issue :	21/12/2022
Date of expiry :	01/12/2023
Certificate Type :	Fresh

## 2. Particulars of the Industry

Name & Designation of the Applicant	Deepak Gandhi, (Partner)
Address of Industrial premises	M/s Suran Divine Homes, Village Ramgarh Bhuda, Zirakpur, Sas Nagar, Derabassi, Sas Nagar-140603
Capital Investment of the Industry	2322.0 lakhs
Category of Industry	Orange
Type of Industry	2021-Building and construction project more than 20,000 sq. m built up area and having waste water generation less than 100 KLD
Scale of the Industry	Small
Office District	Sas Nagar
Consent Fee Details	Rs. 29300/- vide R. No. 819586595 dated 02.12.2022
Raw Materials (Name with quantity per day)	N.A. being construction project.

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Products (Name with quantity per day)	Residential project having @ 198 Flats in an area of 8049 sqm and built up area 21785 under the name and style "Suman Divine Homes" at Village Rangarh Budha, Zirakpur
By-Products, if any, (Name with quantity per day)	--
Details of the machinery and processes	As per application no.20558351
Details of the Effluent Treatment Plant	STP of capacity 70 KLD based on MBBR Technology.
Mode of Disposal of Effluent	Domestic Effluent @ 69.6 KLD - After STP, 14 KLD will be used for flushing purpose, 55.6 KLD will be discharged into on to land for plantation as per Karnal Technology area about 3000 sq yard
Standards to be achieved under Water (Prevention & Control of Pollution) Act, 1974	As per effluent standards prescribed by the PPCB/ MoEF & CC from time to time.
Sources of emissions and type of pollutants	DG Set - SOx, NOx & SPM
Mode of disposal of emissions with stack height	One DG Set of capacity 500 KVA - Canopy and stack of 3.5 mt. above roof provided.
Quantity of fuel required in TPD	One DG Set of capacity 500 KVA - Fuel HSD @ 120 Lit/day
Type of Air Pollution Control Devices to be installed	One DG Set of capacity 500 KVA - Canopy and stack of 3.5 mt. above roof provided.
Standards to be achieved under Air (Prevention & Control of Pollution) Act, 1981	As per emission standards prescribed by the PPCB/ MoEF & CC from time to time.



21/12/2022

(Kuldeep Singh)  
Environmental Engineer

For & on behalf

of

(Punjab Pollution Control Board)

Endst. No.:

Dated:

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

1. The Additional Deputy Commissioner (UD) for SAS Nagar for information with the request not to allow any expansion/ approval on the land of 3000 Sq. yard proposed/ reserved for plantation (Khasra no. 121 and 125 of Village Rangarh Bhuda, Zirakpur, Distt. SAS Nagar).
2. The Environmental Engineer, Punjab Pollution Control Board, Regional Office, SAS Nagar.

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21/12/2022

(Kuldeep Singh)  
Environmental Engineer

For & on behalf  
of

(Punjab Pollution Control Board)



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## 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 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 $H = 14 Q_g^{0.3}$ $H = 74 (Q_p)^{0.24}$ Where $Q_g$ = Quantity of SO <sub>2</sub> 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 building	Height of the Stack
0-50 KVA		+ 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 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.
  - (i) Once in Year for Small Scale Industries.
  - (ii) Four in a Year for Large/Medium Scale Industries.
  - (iii) The industry will submit monthly reading/ data of the separate energy meter installed for running of effluent treatment plant/re-circulation system to the concerned Regional Office of the Board by the 5th of the following month.
12. 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.
13. 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.
14. The pollution control devices shall be interlocked with the manufacturing process of the industry.
15. 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.
16. 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.
17. 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.
18. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse.
19. 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.
20. 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.
21. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises.



22. 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, if applicable.
23. 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.
24. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991.
25. The industry shall submit a site emergency plan approved by the Chief Inspector of Factories, Punjab as applicable.
26. The industry shall provide proper and adequate air pollution control arrangements for control emission from its coal/fuel handling area, if applicable.
27. 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
28. 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.
29. The industry shall submit a detailed plan showing therein, the distribution system for conveying waste-waters for application on land for irrigation along with the crop pattern to be adopted throughout the year.
30. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
31. 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.
32. 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.
33. The industry shall not cause any nuisance/traffic hazard in vicinity of the area.
34. 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.
35. The industry shall ensure that there will not be significant visible dust emissions beyond the property line.
36. 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.
37. 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



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1. The project proponent will not discharge domestic effluent into the sewer leading to the STP, Zirakpur without prior written permission of the Board.
2. The project proponent shall not give possessions to the owners without prior permission of the Board.
3. The project proponent shall install the smog gun well before starting the construction.
4. The project proponent shall develop a plantation area of 3000 sq yards as per Kamal Technology. The PP shall not carry out any type of construction in the area reserved for plantation till the upgradation and enhanced capacity of the STPs installed by the MC is adequate and sewer connection is granted by the MC authority.
5. The project proponent will develop the project on its own risk & cost in regard to disposal arrangement.
6. The promoter company shall also explore the possibility of using treated domestic effluent for useful purposes such as construction work, sprinkling on dusty patches/roads, use in nearby construction activities, etc.
7. The project proponent shall obtain the necessary clearance for the abstraction of groundwater from the Punjab Water Regulation & Development Authority (PWRDA).
8. The promoter company shall ensure compliance with the Solid Waste Management Rules, 2016, and being the bulk waste generator shall ensure segregation of solid waste at source, facilitate collection of segregated waste in separate streams, handover recyclable material to either the authorized waste pickers or the authorized recyclers as prescribed in Solid Waste Management Rules, 2016.
9. The bio-degradable waste shall be processed, treated, and disposed of through a mechanical composter. The residual waste shall be given to the waste collectors or agency as directed by the local body.
10. The promoter company shall not consume any fuel except HSD for DG set, for burning purposes without the prior written permission of the Board.
11. The project proponent shall install the smog gun to control the dust emission to be generated from the construction activities of the project.
12. The project proponent shall not discharge any domestic effluent (treated or untreated) into choe / drain /river or in any inland surface water at any time or any other unauthorized place by any unauthorized means and shall explore the possibility of reduction of quantum of abstraction of groundwater by reusing the treated wastewater in the various activities.
13. The project proponent shall maintain the plantation area as well as a permanent pipeline network for uniform distribution of wastewater in the entire plantation area, so that no stagnation of wastewater occurs inside, outside, or in the plantation area at any time.
14. The project proponent shall install a water meter on the freshwater supply and all proposed modes of disposal.
15. The industry shall ensure compliance with provisions of the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, and or any other environment law applicable to him and rules, circulars issued by the Board from time to time.
16. In case of any violation action u/s 33-A of the Water (Prevention & Control of Pollution) Act, 1974 will be initiated for closure of the project proponent without further notice.
17. The project proponent shall comply with the conditions of the Environment Clearance granted by the Competent Authority.
18. The project proponent shall comply with the conditions of the CLU granted by the Competent Authority.
19. The project proponent shall utilize treated wastewater from nearby STPs for the construction purpose and shall submit an agreement in this regard within one month.
20. The project proponent shall provide separate water meter and energy meter for the STP and maintain record of the same on daily basis.
21. The project proponent shall submit the complete drawing and design of the STP and its component at the time of obtaining consent to operate.



22. The promoter shall provide a buffer zone of green belt (dense populated trees with pleasant fragrance) around the sewage treatment plant, so as to reduce the effect of odour problem on the nearby residential area.
23. The promoter company shall explore the possibility of using treated domestic effluent for useful purpose such as construction work, sprinkling on dusty patches/roads, use in nearby construction activities etc.
24. The project proponent shall place adequate no. of bins outside its premises from where the Municipal Solid Waste shall be got lifted.
25. The project proponent shall properly handle and manage the solid waste as per the provisions of the Municipal Solid Waste Management Rules, 2016 and ensure that the solid waste is segregated into biodegradable and non-biodegradable components. The biodegradable component shall be treated by providing mechanical composter 305 kg/day) to produce compost, which will be disposed of/reused in an environmentally sound manner and the non-biodegradable solid waste shall also be disposed of in an environmentally sound manner.
26. The project proponent shall also ensure that the hazardous waste and e-waste components of the solid waste shall also be segregated and the same shall be channelized to the authorized facility for such type of waste.
27. The project proponent shall comply with the provisions of the Construction and Demolition Management Rules, 2016.
28. The project proponent shall take adequate steps to the effect that the construction material of any kind that is stored at site shall be fully covered in all respects so that it does not disperse in the air in any form.
29. The project proponent shall ensure that all the construction material and debris shall be carried out in trucks or other vehicles which are fully covered and protected so as to ensure that the construction debris or the construction material does not get disperse into the air or atmosphere in any form.
30. The project proponent shall take all necessary steps to control the dust emissions to be generated from the construction activities of the project.
31. The project proponent shall ensure that the vehicles carrying construction material and construction debris of any kind shall be cleaned before it is permitted to ply on the road after unloading of such material.
32. The project proponent shall provide mask to every worker working on the construction site and involved in loading/ unloading and carrying of construction material and construction debris.
33. The project proponent shall provide all medical help, investigation and treatment of workers involved in construction of building and carrying out construction material and debris related to dust emissions.
34. The promoter shall not allow any occupancy in the project till the time adequate arrangements for treatment & disposal of wastewater and solid waste are made as well as 'consents to operate' under the Water Act, 1974 & the Air Act, 1981 are obtained.
35. The promoter shall develop its residential complex as well as construct flats strictly in accordance with the layout / building plans approved / to be approved by the Competent Authority.
36. The project proponent shall install mechanical composter for the treatment of solid waste being a bulk waste generator.



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Environmental Engineer  
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