



# PUNJAB POLLUTION CONTROL BOARD

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

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: 020SAS975200

Application No : 16425240

To,

Pawan Goyal  
Village Nabha, Near Hotel Radisson Patiala Road, Zirakpur  
Zirakpur, Mohali-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/2021/16425240
Date of issue :	13/10/2021
Date of expiry :	14/08/2022
Certificate Type :	Fresh

## 2. Particulars of the Industry

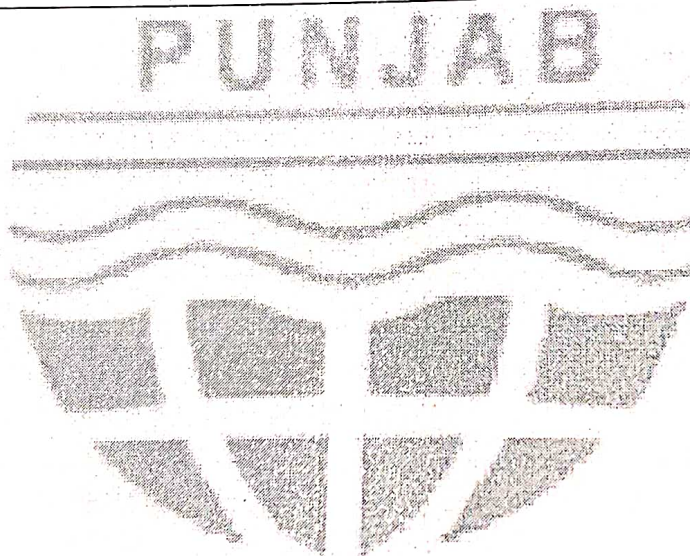
Name & Designation of the Applicant	Pawan Goyal, (Partner)
Address of Industrial premises	M/s Stj Infra, Village Nabha, Near Hotel Radisson Patiala Road, Zirakpur, Derabassi, Sas Nagar-140603
Capital Investment of the Industry	2040.0 lakhs
Category of Industry	Orange
Type of Industry	2091-Area/Infrastructure Development Project including educational institutions, community hall, IT Park, Theme park (Not covered under EIA notification 2006)
Scale of the Industry	Small
Office District	Sas Nagar
Consent Fee Details	Rs. 29300/- vide R. No.106929710 dated 15.08.2021 as NOC fee including Rs. 500/- as FDF fee.
Raw Materials (Name with quantity per day)	N.A. being construction project.

For STJ INFRA  
Partner

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M/s Stj Infra, Village Nabha, Near Hotel Radisson Patiala Road, Zirakpur, Derabassi, Sas Nagar, 140603

Products (Name with quantity per day)	SCO Sites @ 33 Number, project namely "Mohali Citi Square" developed by M/s STJ Infra, total built up area 16693 sqm.
By-Products, if any, (Name with quantity per day)	--
Details of the machinery and processes	As per application no. 16425240
Details of the Effluent Treatment Plant	STP of 65 KLD capacity consisting of Bar screen chamber, Oil and Grease trap, Collection tank, MBBR reactor I and II, Tube Settler, Filter Feed Tank, Chlorine Disinfection System, Pressure sand filter, Activated Carbon filter, Sludge Drying Bed
Mode of Disposal of Effluent	Domestic Effluent @ 42 KLD - 40 KLD discharged onto land and 2 KLD onto land for green belt after treatment in STP.
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	N.A.
Mode of disposal of emissions with stack height	N.A.
Quantity of fuel required in TPD	N.A.
Type of Air Pollution Control Devices to be installed	N.A.
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.



*(Signature)*

13/10/2021

**( 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:  
The Environmental Engineer, Punjab Pollution Control Board Regional Office, SAS Nagar.

*For STJ INFRA  
Anwar Hashim  
Partner*

*(Signature)*

13/10/2021



## 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 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:

For STJ INFRA  
Tansen Gadhner



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

For STJ INFRA  
Kuldeep Singh  
Partner



13/10/2021

(Kuldeep Singh)  
Environmental Engineer

For & on behalf

of

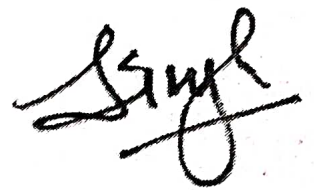
(Punjab Pollution Control Board)



1. The promoter company shall obtain the permission from PWRDA regarding abstraction of ground water.
2. The promoter company shall obtain the permission from the Airports Authority regarding allowable height of the building.
3. The promoter company shall also provide dual plumbing arrangement for use of treated waste water for flushing purpose
4. The promoter company shall provide two no. rain water harvesting pit and Regarding use of rainwater harvesting system, the promoter shall ensure the compliance of following conditions: a) Only roof top rainwater shall be discharged into rainwater harvesting system.  
b) No surface run off or any other rainwater flowing in lawns / garden be allowed to enter into the rain water harvesting system.  
c) All the pipes provided for the recharging system should be visible and properly coloured.
5. The promoter company 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 on-site facility to produce compost (mechanical composter @ 150 kg/day), 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.
6. The promoter company 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.
7. The promoter company shall comply with the provisions of the Construction and Demolition Management Rules, 2016.
8. The promoter company 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.
9. The promoter company shall only use treated waste water from the nearby STP for construction purpose.
10. The promoter company 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 disburse into the air or atmosphere in any form.
11. The promoter company shall take all necessary steps to control the dust emissions to be generated from the construction activities of the project.
12. The promoter company 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.
13. The promoter company shall provide mask to every worker working on the construction site and involved in loading / unloading and carries of construction material and construction debris.
14. The promoter company 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.
15. 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.
16. The promoter shall develop its commercial complex as well as construct showrooms strictly in accordance with the layout / building plans approved by the Competent Authority.
17. The project proponent shall install mechanical composter of adequate capacity for bulk waste generator for the treatment of solid waste.
18. The promoter company shall ensure that the total built up area of individual building and construction project to be constructed within the project premises by it/different builders may not be greater than 20,000 sqm, otherwise the project as such is covered under category 8(a) of the schedule appended to the EIA notification and project proponent of the building and construction project is required to obtain the environmental clearance, failure which, the promoter company/builder shall be liable for action for the violation of EIA notification dated 14/09/2006.
19. The promoter shall develop its commercial project, strictly in accordance with the Master Plan of the area and as per the plans approved by the Competent Authority.

For STJ INFRA  
Partner

20. 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 in the vicinity.



13/10/2021

( Kuldeep Singh )  
Environmental Engineer

*For & on behalf*

*of*

(Punjab Pollution Control Board)

For STJ INFRA

Partner