



# PUNJAB POLLUTION CONTROL BOARD

ZONAL OFFICE JALANDHAR

Website:- www.ppcb.gov.in

Office Dispatch No :

Registered/Speed Post

Date:

Industry Registration ID: R17JAL5664016

Application No : 6243101

To,  
**Sukhdev Singh**  
C/o AGI Infra Ltd., Jalandhar Heights, Village Pholriwal  
Jalandhar, Jalandhar-144022

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/JAL/2018/6243101
Date of issue :	08/01/2018
Date of expiry :	07/01/2019
Certificate Type :	Fresh

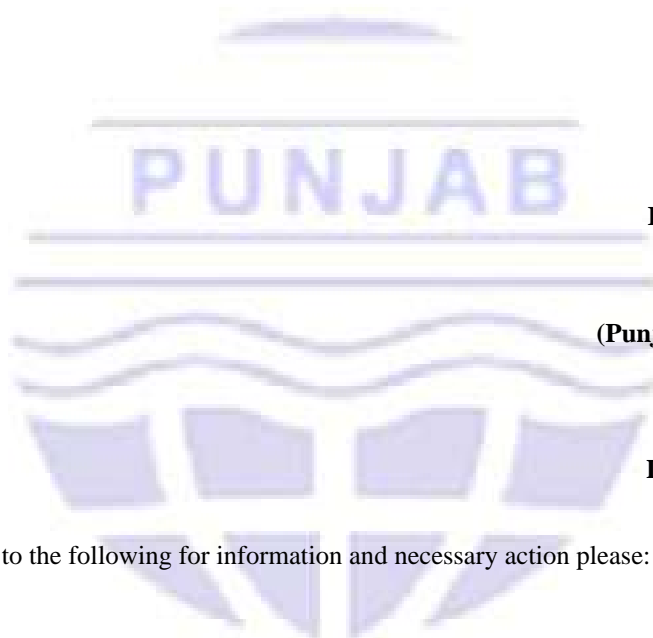
## 2. Particulars of the Industry

Name & Designation of the Applicant	Ashwani Kant, (General Manager)
Address of Industrial premises	Agi smart homes, c/o agi infra ltd., Village pholriwal, 66 ft.road, Jalandhar i, Jalandhar-144022
Capital Investment of the Industry	14044.0 lakhs
Category of Industry	Red
Type of Industry	Building, Const. projects, Township & Area development ..... covered under EIA notification dated 14/9/06
Scale of the Industry	Large
Office District	Jalandhar
Consent Fee Details	
Raw Materials (Name with quantity per day)	Land @31125Sq.m/day
Products (Name with quantity per day)	Residential apartments (affordable housing) @1000Numbers/Day
By-Products, if any,(Name with quantity per day)	
Details of the machinery and processes	As per prescribed by the Board.

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Agi smart homes, c/o agi infra ltd., Village pholriwal, 66 ft.road, Jalandhar i, Jalandhar, 144022

<b>Details of the Effluent Treatment Plant</b>	<i>Domestic Effluent @600.0 KLD</i>
<b>Mode of Disposal of Effluent</b>	<i>Into MC sewer &amp; plantation after STP.</i>
<b>Standards to be achieved under Water (Prevention &amp; Control of Pollution) Act, 1974</b>	<i>As prescribed by the Board.</i>
<b>Sources of emissions and type of pollutants</b>	
<b>Mode of disposal of emissions with stack height</b>	
<b>Quantity of fuel required in TPD</b>	
<b>Type of Air Pollution Control Devices to be installed</b>	
<b>Standars to be achieved under Air (Prevention &amp; Control of Pollution) Act, 1981</b>	



08/01/2018

**(Shiv Kumar)  
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:

EERO Jalandhar

08/01/2018

**(Shiv Kumar)  
Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**

## 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 $H = 14 Q_g^{0.3}$ or $H = 74 (Q_p)^{0.24}$ 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 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 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



08/01/2018

**(Shiv Kumar)**  
**Environmental Engineer**

*For & on behalf*

*of*

**(Punjab Pollution Control Board)**



**B. SPECIAL CONDITIONS**



1. The project proponent shall obtain a clearance certificate from the Board to the effect that they have installed proper and adequate sewage treatment plant & has make proper arrangements for disposal of treated effluent and waste before the plant is actually put into operation/use.
2. The N.O.C. is valid for a period of one year from the date of its issue or till the complete development of colony whichever is earlier.
3. The project proponent shall submit the change of land use certificate to Punjab Pollution Control Board, failing which Punjab Pollution Control Board will be at liberty to revoke the NOC.
4. The project proponent shall obtain Environmental Clearance from the Government of India, Ministry of Environment & Forests under EIA Notification dated 14/9/2006 and its amendments, if need be.
5. The project proponent shall construct and commission the sewage treatment plant simultaneously with the development of the colony and the treated waste water shall conform to the effluent standards adopted by the Board for such discharges onto land for irrigation.
6. The project proponent shall make arrangements for disposal of the treated wastewater onto land for plantation/irrigation and shall not allow it to stagnate anywhere inside or outside the colony. The project proponent shall make adequate arrangements to provide sufficient area for the disposal of treated domestic effluent as per IS: 2490 (Part-1)-1981 (amended upto date) either inside or in the vicinity of the colony or obtain sewerage connection from the local body.
7. The project proponent shall provide proper network system to discharge treated effluent onto land for irrigation/plantation developed properly.
8. The project proponent shall adopt a suitable management system for collection, treatment and disposal of solid waste as per provisions contained in Municipal Solid Waste (Management & Handling) Rules, 2000, as amended from time to time.
9. The project proponent shall obtain the authorization under Municipal Solid Waste (Management & Handling) Rules, 2000 and dispose off municipal solid waste to be generated from the residential colony to the satisfaction of the Board.
10. The project proponent shall inform the compliance of NOC conditions to the Board after allotment of plots to ensure that adequate arrangements for treatment and disposal of sewage and municipal solid waste have been made.
11. The project proponent will submit an affidavit to the effect that he will be responsible for operation of sewage treatment plant and disposal of treated sewage and collection and disposal of solid wastes alongwith payment of cess to the Board until the project is handed over to local body department.
12. The project proponent shall provide sufficient thick green belt within the premises of the colony as per the norms of the PUDA.
13. The project proponent shall apply for obtaining the consent of the Board as required under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, before putting in use an outlet.
14. Nothing in this N.O.C. shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities or penalties to which the applicant is or may be subjected under the provisions of the Water(Prevention & Control of Pollution) Act, 1974.
15. The project has been approved by the Board from pollution angle and the project proponent shall obtain the approval of site from other concerned departments, if need be.
16. The project proponent shall make arrangements for disposal of the treated wastewater onto land for irrigation and shall not allow it to stagnate anywhere inside or outside the colony.
  - a. The project proponent shall submit the performance study of the sewage treatment facilities within two months after the commissioning of the sewage treatment plant.
  - b. The project proponent shall construct a pucca storage tank of sufficient capacity to hold back the wastewater in case of failure of sewage treatment plant.
17. The project proponent shall install separate energy meter for its sewage treatment plant and maintain the record on daily basis of consumption of energy for the running and maintenance of sewage treatment plant.
18. The adequacy and efficiency of the sewage treatment plant will be the entire responsibility of the project proponent.
19. The project proponent shall properly operate and maintain its sewage treatment plant and ensure that the treated sewage conforms to the effluent standards prescribed by the Board.
20. The project proponent shall submit an affidavit to the effect that it shall operate the sewage treatment plant till it is handed over to Municipal authorities.
21. The project proponent shall provide terminal manhole at the end of collection system and a manhole upstream of final outlet (s) out of the colony for measurement of flow and for taking samples.
22. All the under ground water retaining structures shall be lined with an impervious layer so as to avoid seepage and contamination of sub-soil/water.
23. The project proponent shall, for the purpose of measuring and recording the quantity of water consumed, affix meters of such standards at such places as approved by the Environmental Engineer, Punjab Pollution



Control Board, Regional Office.

24. All amendments/revisions made by the Board in the effluent standards shall be applicable to the project proponent from the date of such amendments/revisions.

25. Adequate water supply and sewerage facilities will be provided to all residents of the colony and entire sewage will be collected at a single place before its treatment and disposal.

26. The project proponent shall furnish returns of water consumption as required u/s 5 of the Water (Prevention & Control of Pollution) Cess Act, 1977 and comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977.

27. The project proponent shall adopt proper technology for disposal of garbage and use it for plantation as manure.

28. The project proponent shall provide a buffer zone of green belt (dense populated trees with pleasant odour) around the sewage treatment plant so as to reduce the effect of odour problem on the nearby residential area.

29. The Project proponent shall ensure that there is no obstruction to natural flow of rainwater due to construction of boundary wall of the residential colony.

30. The project proponent shall lay down pucca distribution network/pipe grid from the STP to the various green lawns/ stretches and the land available for utilization of treated domestic effluent onto land for plantation/irrigation.

31. The project proponent shall also develop proper and adequate land for using the treated sewage on to land for irrigation/plantation as per the proposal.

32. The project proponent shall provide proper rain water harvesting system in its premises for the roof top rain water only alongwith separate & visible pipeline of light blue colour for this system and shall maintain the rain water harvesting system properly, to ensure that no ground water pollution occurred and no surface run off or any other rain water flowing in lawn/garden is allowed to enter in the rain water harvesting system.

33. The project proponent shall get the plan of the residential colony approved from the competent authority.

34. The project proponent shall provide certified canopy on the DG set to comply with the provisions of EPA Rules, regarding noise pollution.

35. The project proponent shall comply with the conditions of Environmental Clearance.

36. The project proponent shall obtain necessary statutory permissions/clearances from all other concerned departments

37. The Board reserves the right to revoke the consent to establish (NOC) granted to the project proponent at any time, in case, the project proponent is found violating any of the conditions of the consent to establish (NOC) granted under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 for development of residential colony.



08/01/2018

**(Shiv Kumar)**  
**Environmental Engineer**

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