



Office Dispatch No.: **PBIP/I/537286/2023**

Date: **31.03.2023**

To

**NAVEEN CHOPRA  
AJOLI MOR  
RUPNAGAR, NANGAL - 140126**

**Subject:- Grant Varied 'Consent to Operate' an Outlet u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974 for discharge of Effluent.**

With reference to your application for obtaining Varied 'Consent to Operate' an outlet for discharge of the effluent u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are, hereby, authorized to operate an industrial unit for discharge of the effluent(s) arising out of your premises subject to the Terms and Conditions as mentioned in this Certificate.

**1. Particulars of Consent to Operate under Water Act, 1974 granted to the Industry:**

PIN	210791735
Application No.:	2303758640
Date of Issue:	31-Mar-2023
Date of Expiry:	30-Sept-2023
Certificate Type:	Fresh
Certificate No:	CTOW/Varied /PBIP/RPR/2023/210791735

**2. Particulars of the Industry:**

Name & Designation of the Applicant:	NAVEEN CHOPRA, (Managing Director)
Name of Business Entity	PUNJAB ALKALIES AND CHEMICALS LIMITED
Name of the Project/Unit:	PUNJAB ALKALIES AND CHEMICALS LIMITED
Address of Project/Unit:	AJOLI MOR , NANGAL-UNA-ROAD , NAYA NANGAL , DISTT. RUPNAGAR , PUNJAB PIN 140126 , Nangal , Rupnagar
Capital Investment of the Industry(in lakhs):	26887.00
Category of Industry:	Red
Type of Industry:	1041 - Chlor Alkali
Scale of the Industry:	Large - > Rs. 50 Crore
Office District:	Rupnagar
Consent Fee Details:	Rs. 28,20,000/- vide UTR no. AUBLR62023031514540684 dated 15.03.2023 under the Water Act, 1974. Rs. 28,20,000/- vide UTR no. AUBLR62023031514521935 dated 15.03.2023 under the Air Act, 1981.
Raw Materials (Name with quantity per day):	Industrial Salt @ 262350 MTA, Soda Ash @ 660 MTA, Barium Carbonate @ 1320 MTA Sodium Bi-Sulphite @ 247 MTA, Flocal @ 2.5 MTA, Alpha Cellulose @ 7.8 MTA



	Sulphuric Acid @ 3268 MTA, Rice Husk @ 51800 MTA, Coal @ 165000 MTA, Caustic Soda For SBP Plant @ 660 MTA, Liquid Chlorine For SBP Plant @ 14850 MTA, Aluminium For Aluminium Chloride Plant @ 3432 MTA, Chlorine Gas For Aluminium Chloride Plant @ 13365 MTA.
Products (Name with quantity per day):	Caustic Soda @ 165000 MT/Year, Liquid Chlorine @ 146190 MT/Year, Hydrogen Gas @ 4125 MT/Year, Stable Bleaching Powder (SBP) @ 33000 MT/Year, Aluminium Chloride @ 1375 MT/Year (On the basis of 02 no. operational stage reactors), Captive Power Plant (Electricity) @ 35 MW
By Products, if any (Name with quantity per day) :	Sodium Hypo Chlorite as Chlorine Gas @ 3333 MT/Year, Hydrochloric Acid @ 66,000 MT/Year & 5% Aluminium Chloride Solution @ 150 MT/Year
Details of the machinery and processes:	As per application form.
Details of Effluent Treatment Plant:	Trade Effluent @ 286 KLD* – treated through Effluent Treatment Plant (ETP) followed by RO plant of capacity 300 KLD. *No effluent will be generated from the AICI3 plant. Domestic Effluent @ 28.0 KLD - treated through septic tank till proposed STP installed.
Mode of disposal of Effluent:	Treated trade effluent – ZLD to be achieved Domestic effluent @ 28 KLD - onto land for planation in an area of around 3 acres developed as per Karnal Technology, after passing through septic tank.
Standard to be achieved under Water(Prevention & Control of Pollution) Act, 1974:	As prescribed by the CPCB/MoEF&CC/PPCB, from time to time.



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




Endst. No.

Dated:

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

1. *Senior Environmental Engineer, Zonal Office-I, Patiala.*
2. *Environmental Engineer, Regional Office, Rupnagar is requested to keep a strict vigil on the unit to avoid any chances of illegal discharge by the unit.*

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

## A. GENERAL CONDITIONS

1. This consent is not valid for getting power load from the Punjab State Power Corporation Limited or for getting loan from the financial institutions.
2. The industry shall apply for renewal/further extension in validity of consent atleast two months before expiry of the consent.
3. The industry shall ensure that the effluent discharging through the authorized outlet shall conform to the prescribed standards as applicable from time to time.
4. 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.
5. The achievement of the adequacy and efficiency of the effluent treatment plant/pollution control devices/recirculation system installed shall be the entire responsibility of the industry.
6. The industry shall ensure that the Hazardous Wastes generated from the premises are handled as per the provisions of the Hazardous Wastes(Management, Handling and Trans boundary Movement) Rules, 2008 as amended time to time , without any adverse effect on the environment, in any manner
7. The responsibility to monitor the effluent discharged from the authorized outlet and to maintain a record of the same rests with the industry. The Board shall only test check the accuracy of these reports for which the industry shall deposit the samples collection and testing fee with the Board as and when required.
8. The industry shall submit balance sheet of every financial year to the concerned Regional Office by 30th June of every year
9. 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.
10. During the period beginning from the date of issuance and the date of expiration of this consent, the applicant shall not discharge floating solids or visible foam.
11. Any amendments/revisions made by the Board in the tolerance limits for discharges shall be applicable to the industry from the date of such amendments/revisions
12. The industry shall not change or alter the manufacturing process(es) so as to change the quality and/or quantity of the effluents generated without the written permission of the Board.
13. Any upset conditions in the plant/plants of the factory, which is likely to result in increased effluent and/or result in violation of the standards lay down by the Board shall be reported to the Environmental Engineer,Punjab Pollution Control Board of concerned Regional Office immediately failing which any stoppage and upset conditions that come to the notice of the Board/its officers, will be deemed to be intentional violation of the conditions of consent.
14. The industry shall provide terminal manhole(s) at the end of each collection system and a manhole upstream of final outlet (s) out of the premises of the industry for measurement of flow and for taking Samples.
15. The industry shall for the purpose of measuring and recording the quantity of water consumed and effluent discharged, affix meters of such standards and at such places as approved by the Environmental Engineer,Punjab Pollution Control Board of the concerned Regional Office.
16. The industry shall maintain record regarding the operation of effluent treatment plant i.e. record of quantity of chemicals and energy utilized for treatment and sludge generated from treatment so as to satisfy the Board regarding regular and proper operation of pollution control equipment.



17. The industry shall provide online monitoring equipment for the parameters as decided by concerned Regional Office with the effluent treatment plant/air pollution control devices installed, if applicable.
18. The pollution control devices shall be interlocked with the manufacturing process of the industry.
19. The authorized outlet and mode of disposal shall not be changed without the prior written permission of the Board
20. 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.
21. The industry shall obtain and submit Insurance cover as required under the Public Liability Insurance Act, 1991
22. The industry shall not use any unauthorized out-let(s) for discharging effluents from its premises. All unauthorized outlets, if any, shall be connected to the authorized outlet within one month from the date of issue of this consent.
23. The industry shall make necessary arrangements for the monitoring of effluent being discharged by the industry and shall monitor its effluents:-
- (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
24. The industry shall provide electromagnetic flow meters at the source of water supply, at inlet/outlet of effluent treatment plant within one month and shall maintain the record of the daily reading and submit the same to the concerned Regional Office by the 5th of the following month.
25. The Board reserves the right to revoke this consent at any time in case the industry is found violating any of the conditions of this consent and/or the provisions of Water (Prevention & Control of Pollution) Act, 1974 as amended from time to time.
26. 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.
27. The consent does not authorize or approve the construction of any physical structures or facilities for undertaking of any work in any natural watercourse
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 under this or any other Act.
29. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of septic tank.
30. 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.
31. The industry shall ensure that no water pollution problem is created in the area due to discharge of effluents from its industrial premises



32. 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
33. 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 to prevent any pollutants from such materials from entering into natural water.
34. The industry shall re-circulate the entire cooling water and shall also re-circulate/reuse to the maximum extent the treated effluent in processes
35. The industry shall make necessary and adequate arrangements to hold back the effluent in case of failure of re-circulation system/ effluent treatment plant.
36. The industry shall make proper disposal of the effluent so as to ensure that no stagnation occurs inside and outside the industrial premises during rainy season and no demand period
37. Where excessive storm water 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.
38. The industry shall submit a detailed plan showing therein the distribution system for conveying waste-water for application on land for irrigation along with the crop pattern for the year.
39. The industry shall ensure that the effluent discharged by it is toxicity free
40. The industry shall not irrigate the vegetable crops with the treated effluents which are used/ consumed as raw.
41. Drains causing oil & grease contamination shall will be segregated. Oil & grease trap shall be provided to recover oil & grease from the effluent.
42. 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, and the monitoring shall be submitted to the Environmental Engineer of the concerned Regional Office by the 5th of every month.
43. The industry shall ensure that its production capacity & quantity of trade effluent do not exceed the quantity mentioned in the consent and shall not carry out any expansion without the prior permission/NOC of the Board.

  
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Chief Environmental Engineer (PBIP)



## B. SPECIAL CONDITIONS

1. The industry shall not generate any kind of trade effluent from the Aluminium Chloride plant.
2. The industry shall install the flow meter on the wastewater generation stream leading from Chlor Alkali Plant, boiler blow down, cooling tower blow down, SBP plant and washing section so as to monitor the total wastewater generation as claimed by the industry and maintain its record.
3. The industry shall ensure that the trade effluent does not exceed 300 KLD as claimed by the industry at all the times of its operations.
4. The industry shall submit water balance of unit within 01 month depicting the source as well as quantity of wastewater generation of high TDS & low TDS and its treatment scheme.
5. The industry will have to get the EC conditions amended from the MoEF&CC within a period of 03 months as claimed or the industry may seek exemption regarding lesser quantum of trade effluent generation from different sources and its treatment failing which the industry shall be bound to comply with the EC conditions in toto.
6. The industry shall immediately execute an agreement for the disposal of fly ash to the nearby cement plant.
7. The industry shall install ETP of capacity 1400 KLD and STP of capacity 150 KLD as proposed at the time of Environment Clearance by 30th June 2023.
8. The industry shall utilize treated effluent from the septic tank for plantation purpose only.
9. The industry shall not commission any water polluting process of expansion part in a way which may add on the quantity of effluent making it more than 300 KLD till the new ETP of capacity 1400 KLD & STP of capacity 150 KLD is installed by the unit.
10. The industry will not emit black smoke from its stacks under any circumstances.
11. The industry will operate and maintain its pollution control devices/ plants, regularly and efficiently, so as to achieve the effluent standards, consistently as prescribed by the Board/ MoEF&CC from time to time and maintain records regarding operation of the same.
12. The industry will not discharge any of its wastewater into any drain/river/nallah/choe/inland surface water under any circumstances.
13. The industry shall comply with the Hazardous Waste Management, Handling & Transboundary Movement) Rules, 2016.
14. The industry shall obtain permission from Punjab Pollution Control Board before disposing off the brine sludge.
15. The industry shall get the revised building plan under the Factories Rule, 1952 from the competent authority or the authorized person of the Department of Labours, if there is any change in the already approved building plans.
16. The industry shall promote use of alternatives of single use plastics (SUP) and awareness to discourage use of plastic, through their Corporate Environment Responsibility (CER) activities.
17. The industry shall ensure that there are no usages of single use plastic- thermocol disposable items such as water bottles / water pouches/water cups, plates, forks, spoons, straw etc. and single use decorating material made of plastic-thermocol or any other non-biodegradable material in the premises.
18. The industry shall properly handle and manage the solid wastes as per the provisions of the Solid Waste Management Rules 2016 and ensure that the solid waste is segregated & disposed of in an environmentally sound manner.
19. The industry has been approved by the Board from pollution angle and the industry shall obtain the statutory clearances / permissions from all other concerned departments.
20. The industry shall ensure that the activities of unit does not create any nuisance in the surrounding areas and no public complaints are received.
21. The Consent is being issued to the industry based upon the documents/ information/ undertakings




submitted by it alongwith the online application form. The Board would be at liberty to take penal action against the industry and its responsible/ concerned person(s) in case information/document is detected as incorrect/false/misleading at any point of time.

22. The sole responsibility for any wrong information/ declaration and/or any litigation/loss arising due to grant of this Consent to Establish shall be of the industry/ project proponent and its all the responsible/ concerned person(s).

23. 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.

24. 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.

  
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