



## H.P.STATE POLLUTION CONTROL BOARD

HIM PARIVESH, PHASE-III, NEW SHIMLA-171009.

Website:- <http://hppcb.nic.in>

HPSPCB No : 85

Date: 03/02/2022

Industry Registration ID: HP01591517

Application No : 4905999

To,

Jal Shakti Vibhag Bilaspur (STP at Zone 2)  
VPO Lakhanpur (Baloh), Tehsil Sadar, Distt. Bilaspur HP  
Sadar Bilaspur  
Bilaspur  
174001

Subject: Consent to Establish u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974.

With reference to your application for obtaining 'Consent to Establish' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are hereby, authorized to Establish an industrial unit subject to the Terms and Conditions as mentioned in this Consent letter.

### 1.Particulars of Consent to Establish under Water Act, 1974 granted to the industry

Consent No.	CTE/WATER/NEW/RO/2022/4905999
Date of issue :	20/01/2022
Date of expiry :	19/01/2023
Certificate Type :	NEW
Previous CTE No. & Validity :	

### 2. Particulars of the Industry

Name & Designation of the Applicant		Rakesh Vaidya, (Executive Engineer)	
Address of Industrial premises		Jal Shakti Vibhag Bilaspur (STP at Zone 2), VPO Lakhanpur (Baloh), Tehsil Sadar, Distt. Bilaspur HP, Sadar Bilaspur,Bilaspur-174001	
Capital Investment of the Industry		2026.0 lakhs	
Category of Industry		Red	
Type of Industry		1081-Sewage Treatment Plant	
Scale of the Industry		Micro	
Office District		Bilaspur	
Capacity		STP of capacity 2.00 MLD	
Raw Materials (Name with quantity per day)			
Raw Materials		Quantiry	Unit
Domestic Effluent (Sewage)		1600	KL/Day
Products (Name with quantity per day)			

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Jal Shakti Vibhag Bilaspur (STP at Zone 2), VPO Lakhanpur (Baloh), Tehsil Sadar, Distt. Bilaspur HP, Sadar Bilaspur, Bilaspur, 174001

Name of Products	Unit	Quantity	Intermediate Product	Principal Use
Sewage Treatment Plant	KL/Day	2000	NA	For Treatment of Sewage

**Details of the Effluent Treatment Plant**

Type of Effluent	Capacity(KLD)	Quantity(KLD)
STP	2	1.6

**Mode of Disposal**

Description	Quantity(in KLD)	Method of Treatment	Method of Disposal
Domestic	1600	STP	River

**Apoorv Devgan, IAS**  
**Member Secretary**  
**For & on behalf of**  
**( H. P. State Pollution Control Board)**

**Endst. No.:**

Copy To:-

The Regional Officer, HPSPCB, Bilaspur.

**Apoorv Devgan, IAS**  
**Member Secretary**  
**For & on behalf of**  
**( H. P. State Pollution Control Board)**

## TERMS AND CONDITIONS

### 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 Himachal Pradesh 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.	<i>Less than 2 ton/hr.</i>	9 meters or 2.5 times the height of neighboring building which ever is more
2.	<i>More than 2 ton/hr. to 5 ton/hr.</i>	12 meters
3.	<i>More than 5 ton/hr. to 10 ton/hr</i>	15 meters
4.	<i>More than 10 ton/hr. to 15 ton/hr</i>	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, Himachal Pradesh 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

## **B. SPECIAL CONDITIONS**

(1) The unit shall ensure that the final outlet of the STP shall be at a suitable distance away from the intake point of any drinking water source / scheme so that sufficient dilution is available throughout the year and particularly during the lean season so as to maintain the surface water quality of that source.

(2) Alternately, the final outlet may be placed at the downstream of the intake point for the drinking water supply.

(3) The unit shall provide power back up DG of suitable capacity to cater for power failure so as to maintain the biological activity to optimum for treatment in the STP.

(4) The unit shall cater to discharge standards at final outlet as proposed in the project report ie- pH b/w 6.5 to 9.0, 05 day BOD  $\leq$  10 mg/l, COD  $\leq$  50 mg/l, Suspended Solids  $\leq$  20 mg/l, N total  $\leq$  10 mg/l, FC(Fecal Coliforms, MPN/100 ml)  $<$  100.

(5) Any orders / decision of the Hon'ble High Court of HP in CWP No. 3013/2021 titled as Pawan Singh & Ors Vs State of HP and others pending before the Hon'ble court shall be binding as the case may be.

(6) The unit shall install the real time continuous effluent monitoring system.

(7) The unit shall make a provision for Fecal Sludge cum Septage Treatment in the project.

**Apoorv Devgan, IAS**  
**Member Secretary**  
**For & on behalf of**  
**( H. P. State Pollution Control Board)**



## H.P.STATE POLLUTION CONTROL BOARD

HIM PARIVESH, PHASE-III, NEW SHIMLA-171009.

Website:- <http://hppcb.nic.in>

HPSPCB No : 84

Date: 03/02/2022

Industry Registration ID: HP01484872

Application No : 4905431

To,

Jal Shakti Vibhag Bilaspur (STP at Zone 1)  
Below Laxminarayan Temple, Diara Sector Bilaspur, Distt. Bilaspur HP  
Sadar Bilaspur  
Bilaspur  
174001

Subject: Consent to Establish u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974.

With reference to your application for obtaining 'Consent to Establish' u/s 25/26 of Water (Prevention & Control of Pollution) Act, 1974, you are hereby, authorized to Establish an industrial unit subject to the Terms and Conditions as mentioned in this Consent letter.

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Date of issue :	20/01/2022
Date of expiry :	19/01/2023
Certificate Type :	NEW
Previous CTE No. & Validity :	

### 2. Particulars of the Industry

Name & Designation of the Applicant	Rakesh Vaidya, (Executive Engineer)	
Address of Industrial premises	Jal Shakti Vibhag Bilaspur (STP at Zone 1), Below Laxminarayan Temple, Diara Sector Bilaspur, Distt. Bilaspur HP, Sadar Bilaspur,Bilaspur-174001	
Capital Investment of the Industry	4727.0 lakhs	
Category of Industry	Red	
Type of Industry	1081-Sewage Treatment Plant	
Scale of the Industry	Micro	
Office District	Bilaspur	
Capacity	STP of capacity 5.00 MLD	
Raw Materials (Name with quantity per day)		
Raw Materials	Quantiry	Unit
Domestic Effluent (Sewage)	4000	KL/Day
Products (Name with quantity per day)		

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Jal Shakti Vibhag Bilaspur (STP at Zone 1), Below Laxminarayan Temple, Diara Sector Bilaspur, Distt. Bilaspur HP, Sadar Bilaspur, Bilaspur, 174001

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Name of Products	Unit	Quantity	Intermediate Product	Principal Use
Sewage Treatment Plant	KL/Day	5000	NA	For Treatment of Sewage

**Details of the Effluent Treatment Plant**

Type of Effluent	Capacity(KLD)	Quantity(KLD)
STP	5	4

**Mode of Disposal**

Description	Quantity(in KLD)	Method of Treatment	Method of Disposal
Domestic	4000	STP	River

**Apoorv Devgan, IAS**  
**Member Secretary**  
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**Endst. No.:**

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**Apoorv Devgan, IAS**  
**Member Secretary**  
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