



Speed Post

File No. A-14011/1/2015-UPC-I

Date: 05/04/2019

To,

The Commissioner,
Ghaziabad Nagar Nigam,
Navyug Market, Opp. Old Bus Stand,
Ghaziabad - 201001

SHOW CAUSE NOTICE UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 FOR NON-COMPLYING SEWAGE TREATMENT PLANTS INSTALLED AT GHAZIABAD, UTTAR PRADESH

WHEREAS, Ministry of Environment & Forests, Govt. of India, vide notification S.O.157(E) of 27.02.1996 has delegated powers vested under section 5 of the Environment (Protection) Act,1986 (29 of 1986) to the Chairman ,Central Pollution Control Board (CPCB), to issue direction to any Industry, Municipal Corporation, Municipal Council, Cantonment Board to any local or other Authority for the violation of emission and effluent standards notified under the Environment (Protection) Rules,1986 and other standards and norms; and

Whereas, sewage is a major cause for poor water quality and adversely impacts human health and aquatic life. The discharge of untreated, partially treated and treated sewage not meeting standards is further adding to the problem of water pollution and very sizeable gap exist in generation and treatment of sewage at Ghaziabad; and

Whereas, the Central Government has notified the General Discharge Standards of Environmental Pollutants from various sources including municipal wastewater under the Environment (Protection) Act,1986 and the rules framed there under (schedule VI); and

Whereas, CPCB had issued directions to Uttar Pradesh Pollution Control Board vide letter no. No. A-19014/43/06-MON dated 21/04/2015 under Section 18 (1) b of Water (Prevention and Control of Pollution) Act, 1974 to direct Ghaziabad Nagar Nigam to develop infrastructure for sewage management and operate the STPs within stipulated norms; and

Whereas, CPCB had issued directions to Uttar Pradesh Pollution Control Board vide letter no. No. A-19014/43/06-MON dated 10/03/2016 under Section 18 (1) b of Water (Prevention and Control of Pollution) Act, 1974 to direct UP Jal Nigam, Ghaziabad Nagar Nigam to operate STPs within stipulated norms.

Whereas, CPCB had issued directions to Ghaziabad Nagar Nigam (GNN) vide letter No A-14011/1/2015-MON dated 09/10/2015 under Section 5 of the Environment (Protection) Act, 1986 regarding Treatment and Utilization of Sewage for Restoration of water quality of River. Compliance report / Action taken report from Ghaziabad Nagar Nigam is still awaited; and

Whereas, CPCB had directed GNN to install Continuous Effluent Monitoring System at the outlet of STPs vide direction dated 09/10/15. However, no installation has been made till date and;

Whereas, Hon'ble NGT in matter of OA No. 593/2017 (WP (Civil) No. 375/2012) dated 31/08/2018 has directed CPCB as under:

"The CPCB may take penal action for failure, if any, against those accountable for setting up and maintaining STPs, CETPs and ETPs. CPCB may also assess and recover compensation for damage to the environment".

Whereas, CPCB prepared a methodology for levying penalty in reference to Hon'ble NGT order dated 31/08/2018 for discharge in violation of consent conditions mainly prescribed standards/consent limits; and

Whereas, CPCB has carried out monitoring of STPs installed at Ghaziabad during the year of 2018. 02 STPs located at Indirapuram (UASB) 56 MLD and Vijay Nagar (UASB) 73 MLD are found non-functional during the visit. The structure of Indirapuram sewage treatment plant is almost corroded and flooded with untreated water at many places. Detailed assessment report is attached as **Annexure-I**.

Sl. No	STP Location	Date of Inspection	Installed Capacity (MLD)	Parameters				Non-Complying Parameter(s)
				pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)	
General Discharge Standards				5.5-8.5	30	250	100	
1	Indirapuram UASB	16/08/2018	56	Non functional				
2	Vijay Nagar UASB	16/08/2018	73	Non functional				


WHEREAS, it is evident from the above observations that STPs at Indirapuram and Vijay Nagar in Ghaziabad, Uttar Pradesh has failed to maintain the STPs, violated consent conditions and discharging untreated effluent and posing potential threat to the surrounding environment; and

WHEREAS, it is obvious that non-compliance by the STPs operated by Ghaziabad Nagar Nigam is continuing, water quality of river Hindon and Yamuna is getting adversely affected and there is a need to prevent further deterioration of the water quality of natural water resources.

Now, therefore, in view of the above observations and in exercise of powers delegated to the Chairman, Central Pollution Control Board under section 5 of the Environment (Protection) Act, 1986, **show cause notice is hereby served to explain the reasons as to why action should not be taken against Ghaziabad Nagar Nigam including levying of Environmental Compensation for non-compliances of identified STPs and non-installation of OCEMS. Discharge Standards.**

Ghaziabad Nagar Nigam is also hereby directed to submit time bound action plan for corrective action in the matter including augmentation and upgradation of these STPs so as to ensure compliance with the notified/prescribed standards.

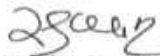
The reply to the Show Cause Notice shall be submitted by Ghaziabad Nagar Nigam to this office within 7 days from the date of receipt of this notice failing which appropriate action as per the provision of the Environment (Protection) Act, 1986 /National Green Tribunal Act, 2010 including prosecution will be initiated.


(S. P. Singh Parihar)
CHAIRMAN

Copy to:

1. The Chairman, : for kind information and ensure
Uttar Pradesh Pollution Control Board compliance please.
Building No. TC-12V, Vibhuti Khand,
Gomti Nagar, Lucknow – 226010
2. The Secretary,
Ministry of Environment, Forests, & Climate Change
Indira Bhawan, Aliganj, Jorbagh Road,
New Delhi-110003
3. The Secretary
Ministry of Water Resources,
River Development & Ganga Rejuvenation
626, Shram Shakti Bhawan, Rafi Marg.
New Delhi 110001
4. The Secretary
Ministry of Housing and Urban Affairs
Mulana Azad Road, Rajpath Area
Central Sectariat, New Delhi- 110001

- ✓ 5. DH-IT Division
- 6. DH-IPC-VI Division
- 7. DH-WQM-I Division


(A. Sudhakar)
Member Secretary



**BRIEF STATUS REPORT OF SEWAGE TREATMENT PLANTS (STPS) MONITORED
IN GHAZIABAD, UTTAR PRADESH**

Ghaziabad is a city in the Indian state of Uttar Pradesh. It is sometimes referred to as the "Gateway of UP". It is a part of the National Capital Region of Delhi. It is a large and planned industrial city. As per Census of India the population of Ghaziabad city is 2375820 as on 2011. In Ghaziabad District, Central Pollution Control Board (CPCB) carried out monitoring of 07 STPs during 16/08/2018 at Indirapuram (03), Vijay Nagar (02) and Bapudham (02). In Ghaziabad 07 STPs come in the Jurisdiction of 03 agencies (Ghaziabad Nagar Nigam (GNN), Ghaziabad Development Authority (GDA) and Uttar Pradesh Jal Nigam (UPJN).

During the visit out of 07 STPs, 03 STPs are operational and remaining 04 STPs are observed non functional. The analytical results of Sewage Treatment Plants are tabulated at Annexure – I. The major observations made with respect to analysis report and field visit are mentioned below:

- With respect to BOD, 01 STP installed at Vijay Nagar (56 MLD) SBR based technology is not meeting the General Standards for Discharge of Environmental Pollutants into inland surface, public Sewers, land for irrigation, marine coastal areas under Schedule-VI of The Environment (Protection) Rules, 1986
- Indirapuram STPs receives 186 MLD of sewage against the capacity of 50 MLD. At Indirapuram 03 STPs installed 56 MLD (SBR based), 74 MLD (SBR based) and 56 MLD (UASB based). The flow was not available at the time of sampling at SBR 74 MLD plant. The structure of UASB based sewage treatment plant is almost corroded and STP flooded with untreated water at many places and discharging untreated effluent.
- STP at Vijay Nagar receives 129 MLD of sewage against the capacity of 20 MLD. At Vijay Nagar, 02 STPs installed 73 MLD (UASB) and 56 MLD (SBR). The structure of UASB based sewage treatment plant is almost corroded and was found non – functional and discharging untreated effluent.
- STP at Bapudham receives 112 MLD of sewage against the capacity of 10 MLD. At Bapudham, 02 STPs installed SBR based 01 STP is operational and other one was observed non operational due to unavailability of electricity connection.

Table 1: Analytical results of Physio-Chemical & Microbiology Lab

S. No.	STP Name	Agency	Technology	Installed Capacity (MLD)	Actual Treatment Capacity (MLD)	Sampling Location	PARAMETERS							
							pH	TSS 100 (mg/l)	COD 250 (mg/l)	BOD 30 (mg/l)	NH ₃ -N (mg/l)	PO ₄ -P (mg/l)	Total Coliform	Fecal Coliform
1	Indirapuram	GDA	SBR	56	50	Inlet	7.20	244	503	324	29	3.1	11x10 ⁷	33x10 ⁶
						Outlet	7.24	09	56	08	BDL	0.3	92x10 ⁴	22x10 ⁴
2	Bapudham	UP Jal Nigam	SBR	56	10	Inlet	7.34	101	224	66	17	2.8	7x10 ⁷	7x10 ⁷
						Outlet	7.43	07	36	13	BDL	0.5	54x10 ⁵	35x10 ⁵
3	Vijay Nagar	UP Jal Nigam	SBR	56	20	Inlet	7.23	147	299	88	20	3.0	92x10 ⁷	79x10 ⁶
						Outlet	7.44	80	197	51	24	3.2	92x10 ⁶	54x10 ⁶
4	Indirapuram	UP Jal Nigam	SBR	74	0	Non Functional								
5	Indirapuram	GNN	UASB	56	0	Non Functional								
6	Vijay Nagar	GNN	UASB	73	0	Non Functional								
7	Bapudham	UP Jal Nigam	SBR	56	0	Under Construction								
Total				427	80									

NOTE :

- i. Ghaziabad Nagar Nigam (GNN), Ghaziabad Development Authority (GDA) and Uttar Pradesh Jal Nigam (UPJN)
- ii. Monitoring was conducted on 16.08.2018.

Table 2: Analytical results of Heavy Metals

S. No.	STP Name	Technology	Istalled Capacity (MLD)	Actual Treatment Capacity (MLD)	Sampling Location	PARAMETERS								
						Co 0.002 (mg/l)	Cr 0.002 (mg/l)	Cu 0.003 (mg/l)	Fe 0.002 (mg/l)	Mn 0.002 (mg/l)	Ni 0.003 (mg/l)	Pb 0.013 (mg/l)	Sb 0.015 (mg/l)	Zn 0.002 (mg/l)
1	Indirapuram	SBR	56	50	Inlet	BDL	0.05	0.04	1.58	0.10	BDL	BDL	BDL	0.19
					Outlet	BDL	BDL	BDL	0.05	0.07	BDL	BDL	BDL	BDL
2	Bapudham	SBR	56	10	Inlet	BDL	0.01	0.03	1.67	0.10	0.03	BDL	BDL	0.10
					Outlet	BDL	BDL	BDL	0.06	0.07	BDL	BDL	BDL	BDL
3	Vijay Nagar	SBR	56	20	Inlet	BDL	0.01	0.02	1.42	0.11	BDL	BDL	0.02	0.11
					Outlet	BDL	BDL	0.02	1.23	0.10	BDL	BDL	BDL	BDL
4	Indirapuram	SBR	74	0	Non Functional									
5	Indirapuram	UASB	56	0	Non Functional									
6	Vijay Nagar	UASB	73	0	Non Functional									
7	Bapudham	SBR	56	0	Under Construction									
Total			427	80										

NOTE: Monitoring was conducted on 16.08.2018.