



Speed Post

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

Date: 05/04/2019

To,

The Commissioner,
Municipal Corporation Faridabad,
BK Chowk, Faridabad,
Haryana - 121001

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

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 Faridabad; 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 Haryana 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 Faridabad Municipal Corporation to develop infrastructure for sewage management and operate the STPs within stipulated norms; and

Whereas, CPCB had issued directions to Faridabad Municipal Corporation 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 Faridabad Municipal Corporation is still awaited; and

Whereas, CPCB had directed you 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 Faridabad during the year of 2018. In Faridabad District, there are 04 Sewage Treatment Plants (STPs) installed with treatment capacity of 160 MLD and actual utilization is 140 MLD. Out of 04 STPs, 02 STPs are installed in Badshapur, 01 STP in Mirzapur and 01 STP in Pratapgarh. Detailed assessment report is attached as **Annexure-I**. Brief status of non-compliance by STPs is as follows:

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	Badshapur Phase I	12/05/2018	45	7.62	52	183	94	BOD
2	Badshapur Phase II	-do-	20	7.55	61	159	82	BOD
3	Mirzapur	-do-	45	7.45	97	245	57	BOD
4	Pratapgarh	-do-	50	6.64	120	407	230	BOD, COD, TSS


WHEREAS, it is evident from the above observations that STPs at Badshapur, Mirzapur & Pratapgarh located in Faridabad, Haryana have violated General Discharge Standards and discharging partially treated effluent and posing potential threat to the surrounding environment; and

WHEREAS, it is obvious that non-compliance by the STPs operated by Faridabad Municipal Corporation is continuing, water quality of river 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 Faridabad Municipal Corporation including levying of Environmental Compensation for non-compliance of identified STPs with respect to General Discharge Standards and non-installation of OCEMS.**

Faridabad Municipal Corporation 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.

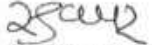
The reply to the Show Cause Notice shall be submitted by Faridabad Municipal Corporation to this office within 7 days from the date of receipt of this notice failing which appropriate action as per the provision of the Environment (Protection) Act, 1986 /National Green Tribunal Act, 2010 including prosecution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


(S. P. Singh Parihar)
CHAIRMAN

Copy to:

1. The Chairman, : for kind information and ensure
Haryana Pollution Control Board compliance please.
C-11, Sector 6, Panchkula, Haryana
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 Secretariat New Delhi- 110001
5. Yamuna Monitoring Committee
Office of YPMC, Room No.58
India International Centre, Max Muller Marg
Lodhi Estate, New Delhi-110003

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


(A. Sudhakar)
Member Secretary



BRIEF STATUS REPORT OF SEWAGE TREATMENT PLANTS (STPS) MONITORED IN FARIDABAD, HARYANA

Faridabad is the largest city in the Indian state of Haryana. It is a leading Industrial Centre and situated in the National Capital Region of Delhi. As per Census of India the population of Faridabad city is 1414050 as on 2011. In Faridabad District there are 04 Sewage Treatment Plants (STPs) installed with treatment capacity of **160MLD** and actual utilization is **140 MLD**. Out of 04 STPs 02 STPs are installed in Badshapur, 01 STP in Mirzapur and 01 STP in Pratapgarh.

In Faridabad 04 STPs are established and all are operational and which are based on UASB and SBR technology. The treated water of Sewage Treatment Plants are disposed off into river Yamuna via drains.

Central Pollution Control Board carried out monitoring of 04 STPs during 12/05/2018 and analytical results of Sewage Treatment Plants are tabulated at Annexure – A. The major observations made with respect to analysis report and field visit are mentioned below:

- With respect to BOD, 04 STPs installed at Badshapur Phase – I (45 MLD), Badshapur Phase – II (20 MLD), Mirzapur (45 MLD) and Pratapgarh (50 MLD) are 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
- With respect to COD& TSS, 01 STP installed at Pratapgarh (50 MLD) 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.
- STP at Badshapur receives 25 MLD of sewage against the capacity of 65 MLD. At Badshapur, 02 STPs installed – Phase I- 45 MLD (UASB) and Phase II -20 MLD (SBR).
- The installed capacity of Mirzapur STP is 45 MLD (UASB based) and actual utilization is 35 MLD.
- Pratapgarh STP also receives industrial waste from nearby area. The installed capacity of STP is 50 MLD (UASB based) and actual utilization is 80 MLD. The structure of sewage treatment plant is almost corroded and wall of the treatment plant is destroyed at some places.

Annexure-II

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

S. No.	STP Name	Technology	Istalled Capacity (MLD)	Actual Treatment Capacity (MLD)	PARAMETERS							
					pH	TSS 100 (mg/l)	COD 250 (mg/l)	BOD 30 (mg/l)	NH ₃ -N (mg/l)	Phosphate (mg/l)	Total Coliform (MPN/100 ml)	Fecal Coliform (MPN/100 ml)
1	Badshapur Phase I	UASB	45	17	7.59	52	246	64	26	1.98	81 x 10 ⁴	81 x 10 ⁴
					7.62	94	183	52	27	3.18	11 x 10 ⁵	79 x 10 ⁴
2	Badshapur Phase II	SBR	20	8	7.59	52	246	64	26	1.98	81 x 10 ⁴	81 x 10 ⁴
					7.55	82	159	61	25	2.75	27 x 10 ⁶	93 x 10 ⁵
3	Mirzapur	UASB	45	35	7.22	407	515	249	28	3.87	17 x 10 ⁶	17 x 10 ⁶
					7.45	57	245	97	22	3.57	17 x 10 ⁵	24 x 10 ⁴
4	Pratapgarh	UASB	50	80	6.88	319	527	257	25	3.7	24 x 10 ⁷	13 x 10 ⁷
					6.64	230	407	120	34	2.18	16 x 10 ⁹	92 x 10 ⁸
Total			160	140								

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	Badshapur Phase I	UASB	45	17	Inlet	BDL	0.01	0.05	0.44	1.85	BDL	BDL	BDL	0.18
					Outlet	BDL	BDL	BDL	0.37	1.87	BDL	BDL	BDL	0.07
2	Badshapur Phase II	SBR	20	8	Inlet	BDL	0.01	0.05	0.44	1.85	BDL	BDL	BDL	0.18
					Outlet	BDL	BDL	0.01	0.45	1.38	BDL	BDL	BDL	0.05
3	Mirzapur	UASB	45	35	Inlet	BDL	0.02	0.08	4.46	0.19	BDL	0.03	BDL	0.31
					Outlet	BDL	BDL	0.01	0.34	0.11	BDL	BDL	BDL	0.03
4	Pratapgarh	UASB	50	80	Inlet	0.05	0.71	0.37	17.26	0.4	0.08	0.03	BDL	3.92
					Outlet	0.05	0.75	0.23	18.2	0.45	0.10	0.03	BDL	4.24

Note: Monitoring was conducted on 12.05.2018.