



File No. A-14011/1/2015-MON 16476

Date: 19/02/2019

To,

The Chief Executive Officer  
Delhi Jal Board  
Govt. Of N.C.T. of Delhi  
Varunlaya Ph-II, Karol Bagh.

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

**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 Delhi; 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 thereunder (schedule VI); and

**Whereas**, CPCB had issued directions to Delhi Pollution Control Committee 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 Delhi Jal Board to develop infrastructure for sewage management and operate the STPs within stipulated norms; and

Whereas, CPCB had issued directions to Delhi Jal Board 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 DJB is still awaited; 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 Delhi during the year of 2018. Out of 41 STPs, 33 STPs are operational and remaining 08 STPs are observed as non-operational. 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 Parameters
				pH	BOD (mg/l)	COD (mg/l)	TSS (mg/l)	
General Discharge Standards				5.5-8.5	30	250	100	
1	Ghittorni	02/07/2018	22.7	7.38	36	101	26	BOD
2	Yamuna Vihar Phase-I	25/07/2018	45.4	7.48	45	137	19	BOD
3	Yamuna Vihar Phase-III	25/07/2018	113.5	7.45	71	197	53	BOD
4	Okhla Phase-II	02/08/2018	54.48	7.45	33	80	28	BOD
5	Okhla Phase-IV	02/08/2018	204.3	7.44	33	85	56	BOD
6	Keshopur Phase-II	06/08/2018	90.8	7.04	167	361	232	BOD, COD, TSS

**Whereas**, CPCB had requested DJB vide letter dated 28/11/2018 for registration of Continuous Effluent Monitoring Stations with CPCB and to provide details of consented parameters of all STPs and contact details of nodal officer for SMS alert. CPCB had also issued reminder vide letter dated 17/12/2018 to complete the process of registration. However, no action in the matter is taken by DJB till date ; and

**Whereas**, CPCB has also analyzed the online monitoring data received from continuous effluent monitoring stations installed at outlets of Sewage Treatment Plants (STPs) during the period of October, 2018 to January, 2019. The assessment is as follows:

Period	Observations	Date of Communication to DJB	Reply / ATR from DJB
04/10/2018-29/11/2018	Assessment for said period reveals that out of 33 STPs, 08 STPs are offline and 15 STPs are violating general discharge standards with respect to BOD, COD, TSS, pH and NH4-N. Detail report is attached.	04/12/2018	Reply awaited
30/11/2018-15/12/2018	Assessment reveals that out of 33 STPs, 02 STPs are offline and 16 STPs are violating general discharge standards. Detail report is attached.	17/12/2018	Reply received vide letter dated 06/02/2018 which is not satisfactory.
16/12/2018-28/01/2019	Assessment reveals that out of 33 STPs, 01 STP is offline and no data being generated, 15 STPs are violating general discharge standards. Detail report is attached.	06/02/2018	Reply awaited

**WHEREAS**, it is evident from the above observations that STPs at Ghittorni, Yamuna Vihar Phase-I and III, Okhla Phase-II and IV and Keshopur Phase-II 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 DJB 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 DJB including levying of Environmental Compensation for the following non-compliances:**

1. Non-compliance of identified STPs with respect to General Discharge Standards
2. Non-registration of CEMS installed at STP

DJB 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 be submitted by DJB to this office within 7 days from the date of receipt of this notice failing which appropriate action as per the provisions of the Environment (Protection) Act, 1986 /National Green Tribunal Act, 2010 including prosecution will be initiated.

**(S. P. Singh Parihar)**  
**CHAIRMAN**

Copy to:

- x1. PPS to Secretary,  
Ministry of Environment, Forests, & Climate Change  
Indira Bhawan, Aliganj, Jorbagh Road,  
New Delhi-110003
- x2. PPS to Secretary  
Ministry of Water resource,  
River Development & Ganga Rejuvenation  
626, Shram Shakti Bhawan, Rafi Marg,  
New Delhi 110001
- x3. PPS to Secretary  
Ministry of Urban Development  
Mulana Azad Road, Rajpath Area  
Central Sectariat, New Delhi- 110001

- x 4. Yamuna Monitoring Committee  
Office of YPMC, Room No.58  
India International Centre, Max Muller Marg  
Lodhi Estate, New Delhi-110003
- x 5. Mission Director,  
National Mission for Clean Ganga,  
(Ministry of Water Resources, River Development & Ganga Rejuvenation),  
Rear Wing, 3<sup>rd</sup> Floor, MDDS Building  
9, CGO Complex, Lodi Road, New Delhi-110003
- x 6. Joint Secretary, CP Division,  
Ministry of Environment, Forests, & Climate Change  
Indira Bhawan, Aliganj, Jorbagh Road,  
New Delhi 110013
- x 7. Director, NRCD,  
Paryavaran Bhawan, CGO Complex,  
Lodhi Road, New Delhi 110003
- ✓ 8. DH-IT Division
- x 9. Chairman,  
Delhi Pollution Control Committee  
4<sup>th</sup>-5<sup>th</sup> Floor, ISBT Building  
Kashmere Gate, Delhi-110006

  
(Prashant Gargava)  
Member Secretary



ANNEXURE -I

BRIEF STATUS REPORT OF DELHI STPS MONITORED IN 2018

Delhi is a capital of India, as per census of India the present population of Delhi is 21,715,866. Central Pollution Control Board carried out monitoring of 41 Sewage Treatment Plants of Delhi in 2018. Wastewater Generation in Delhi has been assessed as 4155 MLD for the year 2018. Out of 41 STPs, 33 STPs are operational and remaining 08 STPs are observed non-operational. The total installed capacity of wastewater in Delhi is 3149.3 MLD and operational capacity of 33 STPs are 2801.27 MLD and capacity of non-operational 08 STPs is 348.03 MLD. 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, 06 STPs installed at **Ghittorni, Yamuna Vihar Phase-I & III, Okhla Phase-II & IV and Keshopur-II** 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, 01 STP installed at **Keshopur-II** 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.
- With respect to TSS, 01 STP installed at **Keshopur-II** 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.
- With respect to Total Coliform & Fecal Coliform, 01 STP installed at Delhi Gate New, Pappankalan Phase-II, Bhattian, Okhla Phase-VI, Nilothi Phase- II, Keshopur Phase-III, is <1000 (MPN/100 ml) and remaining all STPs are more than 10<sup>4</sup> MPN/100 ml.

Table 1: Analytical results of Delhi STPs

Sl. No.	STP	Technology	Installed Capacity (In MLD)	Actual Treatment (In MLD)	Sampling Location	Parameters							
						Physio-Chemical					Microbiology		
						pH	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH <sub>3</sub> -N (mg/l)	Phosphate (mg/l)	Total Coliform MPN/100 ml	Fecal Coliform MPN/100 ml
1.	Akshardham	MBR	4.54	0.9	Inlet	6.56	505	533	220	14	2.5	16 x 10 <sup>10</sup>	16 x 10 <sup>10</sup>
					Outlet	7.42	<10	16	5	NT	0.05	16 x 10 <sup>6</sup>	16 x 10 <sup>6</sup>
2.	Chilla	ISBR	40.86	40.86	Inlet	7.02	145	336	74	31	2.46	7 x 10 <sup>8</sup>	7 x 10 <sup>8</sup>
					Outlet	7.23	15	81	18	3	2.37	54 x 10 <sup>4</sup>	54 x 10 <sup>4</sup>
3.	Coronation Pillar-I&II	ASP	90.8	85	Inlet	6.98	366	606	230	38	4.3	35 x 10 <sup>12</sup>	35 x 10 <sup>12</sup>
					Outlet	7.55	44	69	15	34	0.2	23 x 10 <sup>5</sup>	23 x 10 <sup>5</sup>
4.	Coronation Pillar-III	ASP	45.4	45.4	Inlet	6.96	179	324	125	20	1.9	35 x 10 <sup>11</sup>	39 x 10 <sup>10</sup>
					Outlet	7.43	33	60	14	19	0.7	84 x 10 <sup>10</sup>	63 x 10 <sup>10</sup>
5.	Delhi Gate New	Bio-Far	68.1	68.1	Inlet	6.91	93	248	167	27	2.27	79 x 10 <sup>6</sup>	49 x 10 <sup>6</sup>
					Outlet	7.17	<10	29	10	15	1.23	< 1.8	< 1.8
6.	Delhi Gate Old	Bio-Far	9.9	9.9	Inlet	7.06	166	392	198	28	3.22	35 x 10 <sup>7</sup>	13 x 10 <sup>7</sup>
					Outlet	7.02	<10	24	5	6	0.18	17 x 10 <sup>4</sup>	17 x 10 <sup>4</sup>
7.	Ghittorni	ASP	22.7	2.2	Inlet	7.17	198	475	183	38	5.39	28 x 10 <sup>7</sup>	47 x 10 <sup>8</sup>
					Outlet	7.38	26	101	36	17	3.17	33 x 10 <sup>4</sup>	13 x 10 <sup>4</sup>
8.	Kapashera	SBR	22.7	08.0	Inlet	6.97	234	515	256	57	8.05	17 x 10 <sup>7</sup>	14 x 10 <sup>2</sup>
					Outlet	7.55	14	42	16	3	0.87	28 x 10 <sup>2</sup>	12 x 10 <sup>2</sup>
9.	Keshopur Phase-I	ASP	181.6	181.6	Inlet	7.61	392	532	323	23	2.76	92 x 10 <sup>7</sup>	54 x 10 <sup>7</sup>
					Outlet	7.59	17	37	13	17	1.7	40 x 10 <sup>6</sup>	27 x 10 <sup>6</sup>
10.	Keshopur Phase-II	ASP	90.8	85.0	Inlet	7.61	392	532	323	23	2.76	92 x 10 <sup>7</sup>	54 x 10 <sup>7</sup>
					Outlet	7.04	232	361	167	26	2.76	24 x 10 <sup>6</sup>	13 x 10 <sup>8</sup>
11.		ASP	54.48	54.48	Inlet	7.05	402	525	308	28	3.12	92 x 10 <sup>7</sup>	17 x 10 <sup>7</sup>

Sl. No.	STP	Technology	Installed Capacity (In MLD)	Actual Treatment (In MLD)	Sampling Location	Parameters							
						Physio-Chemical					Microbiology		
						pH	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH <sub>3</sub> -N (mg/l)	Phosphate (mg/l)	Total Coliform MPN/100 ml	Fecal Coliform MPN/100 ml
	Keshopur Phase-III				Outlet	7.08	9	31	3	BDL	1.86	< 1.8	< 1.8
12.	Kondli Phase-II	ASP	113.5	113.5	Inlet	7.02	263	526	212	24	2.19	11 x 10 <sup>7</sup>	11 x 10 <sup>7</sup>
					Outlet	7.61	8	27	5	23	0.16	16 x 10 <sup>5</sup>	16 x 10 <sup>5</sup>
13.	Kondli Phase-IV	ASP	204.3	204.3	Inlet	7.02	263	526	212	24	2.19	11 x 10 <sup>7</sup>	11 x 10 <sup>7</sup>
					Outlet	7.37	22	80	17	15	1.22	16 x 10 <sup>6</sup>	92 x 10 <sup>5</sup>
14.	Mehrauli	ASP	68.1	17.0	Inlet	7.17	250	394	139	39	4.09	7 x 10 <sup>7</sup>	7 x 10 <sup>7</sup>
					Outlet	7.74	28	63	16	17	2.29	54 x 10 <sup>4</sup>	54 x 10 <sup>4</sup>
15.	Najafgarh	ASP	22.7	20.0	Inlet	7.04	338	439	189	30	3.04	16 x 10 <sup>9</sup>	16 x 10 <sup>9</sup>
					Outlet	7.51	45	72	24	26	2.48	35 x 10 <sup>5</sup>	35 x 10 <sup>5</sup>
16.	Narela	ASP	45.4	36	Inlet	7.04	87	137	56	19	4.6	17 x 10 <sup>7</sup>	11 x 10 <sup>7</sup>
					Outlet	7.55	44	56	10	17	0.3	12 x 10 <sup>6</sup>	12 x 10 <sup>6</sup>
17.	Nilothi Phase- II	ASP	90.8	45.0	Inlet	7.07	184	365	202	29	1.83	23 x 10 <sup>6</sup>	23 x 10 <sup>6</sup>
					Outlet	7.28	16	26	5	9	0.89	23	23
18.	Okhla Phase-II	ASP	54.48	48.0	Inlet	7.03	140	268	136	21	2.24	35 x 10 <sup>9</sup>	38 x 10 <sup>8</sup>
					Outlet	7.45	28	80	33	21	5.48	92 x 10 <sup>5</sup>	92 x 10 <sup>5</sup>
19.	Okhla Phase-III	ASP	167.98	158.0	Inlet	7.03	140	268	136	21	2.24	35 x 10 <sup>9</sup>	38 x 10 <sup>8</sup>
					Outlet	7.60	30	56	19	03	0.31	54 x 10 <sup>5</sup>	54 x 10 <sup>5</sup>
20.	Okhla Phase-IV	ASP	204.3	180.0	Inlet	7.03	140	268	136	21	2.24	35 x 10 <sup>9</sup>	38 x 10 <sup>8</sup>
					Outlet	7.44	56	85	33	18	2.62	13 x 10 <sup>6</sup>	13 x 10 <sup>3</sup>
21.	Okhla Phase-V	ASP	72.64	50.0	Inlet	7.03	140	268	136	21	2.24	35 x 10 <sup>9</sup>	38 x 10 <sup>8</sup>
					Outlet	7.56	05	21	07	15	2.21	15 x 10 <sup>4</sup>	33 x 10 <sup>3</sup>
22.	Okhla Phase-VI	ASP	136.2	136.2	Inlet	7.03	140	268	136	21	2.24	35 x 10 <sup>9</sup>	38 x 10 <sup>8</sup>
					Outlet	7.30	04	18	07	NT	0.13	110	110



Sl. No.	STP	Technology	Installed Capacity (In MLD)	Actual Treatment (In MLD)	Sampling Location	Parameters							
						Physio-Chemical						Microbiology	
						pH	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH <sub>3</sub> -N (mg/l)	Phosphate (mg/l)	Total Coliform MPN/100 ml	Fecal Coliform MPN/100 ml
23.	Pappankalan Phase-I	ASP	90.8	85.0	Inlet	7.12	243	350	170	34	4.03	14 x 10 <sup>7</sup>	11 x 10 <sup>7</sup>
					Outlet	7.53	37	66	22	23	1	54 x 10 <sup>5</sup>	48 x 10 <sup>4</sup>
24.	Pappankalan Phase-II	ASP	90.8	90.8	Inlet	7.12	243	350	170	34	4.03	14 x 10 <sup>7</sup>	11 x 10 <sup>7</sup>
					Outlet	7.19	9	21	7	4	3.27	4.5	2
25.	Rohini	ASP	68.1	68.1	Inlet	7.12	142	324	81	28	3.15	35 x 10 <sup>7</sup>	35 x 10 <sup>7</sup>
					Outlet	7.57	14	60	14	12	2.9	33 x 10 <sup>4</sup>	33 x 10 <sup>4</sup>
26.	Rithala Phase-I	ASP	181.6	118.4	Inlet	6.77	492	709	178	27	4.03	35 x 10 <sup>7</sup>	28 x 10 <sup>7</sup>
					Outlet	7.3	58	121	25	17	1.42	22 x 10 <sup>6</sup>	22 x 10 <sup>6</sup>
27.	Rithala Phase-II	ASP	181.6	181.6	Inlet	6.77	492	709	178	27	4.03	35 x 10 <sup>7</sup>	28 x 10 <sup>7</sup>
					Outlet	7.19	18	78	17	17	0.62	92 x 10 <sup>5</sup>	54 x 10 <sup>5</sup>
28.	Sen Nursing Home	Bio-Far	9.9	9.9	Inlet	7.04	271	497	215	25	2.89	16 x 10 <sup>8</sup>	92 x 10 <sup>7</sup>
					Outlet	6.82	7	22	7	NT	0.37	79 x 10 <sup>3</sup>	49 x 10 <sup>3</sup>
29.	Vasantkunj Phase-I	ASP	9.08	8.0	Inlet	7.08	257	732	259	21	2.55	16 x 10 <sup>8</sup>	16 x 10 <sup>8</sup>
					Outlet	7.68	9	50	14	5	1.31	35 x 10 <sup>3</sup>	27 x 10 <sup>2</sup>
30.	Vasantkunj Phase-II	ASP	13.62	12.0	Inlet	6.95	171	455	197	21	2.37	16 x 10 <sup>8</sup>	16 x 10 <sup>8</sup>
					Outlet	7.54	9	26	8	NT	5.56	16 x 10 <sup>4</sup>	28 x 10 <sup>3</sup>
31.	Yamuna Vihar Phase-I	ASP	45.4	45.4	Inlet	7.02	188	487	219	29	3.63	13 x 10 <sup>7</sup>	13 x 10 <sup>7</sup>
					Outlet	7.48	19	137	45	20	1.82	16 x 10 <sup>6</sup>	92 x 10 <sup>5</sup>
32.	Yamuna Vihar Phase-III	ASP	113.5	45.4	Inlet	6.94	489	469	1067	35	3.48	22 x 10 <sup>8</sup>	32 x 10 <sup>7</sup>
					Outlet	7.45	53	197	71	34	2.79	54 x 10 <sup>5</sup>	54 x 10 <sup>5</sup>
33.	Bakkarwala	FAB	2.99	00	Non-Operational								
34.	Timarpur Oxidation Pond	OP	27.24	00	Non-Operational								
35.	Molarbandh	FAB	2.99	00	Non-Operational								

Sl. No.	STP	Technology	Installed Capacity (In MLD)	Actual Treatment (In MLD)	Sampling Location	Parameters							
						Physio-Chemical						Microbiology	
						pH	TSS (mg/l)	COD (mg/l)	BOD (mg/l)	NH <sub>3</sub> -N (mg/l)	Phosphate (mg/l)	Total Coliform MPN/100 ml	Fecal Coliform MPN/100 ml
36.	Nilothi - I	ASP	181.6	00		Non-Functional							
37.	Okhla Phase-I	ASP	136.2	00		Non-Operational							
38.	Yamuna Vihar Phase-II	ASP	45.4	00		Non-Operational							
39.	Kondli Phase-I	ASP	45.4	00		Non-Operational							
40.	Kondli Phase-III	ASP	45.4	00		Non-Operational							
41.	Coronation Pillar-I	ASP	45.4	00		Non-Operational							
<b>Total</b>			<b>3149.3</b>	<b>2254.04</b>									



केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

File. No A-14011/1/2015-Mon

Date: 04/12/2018

To,

The Chief Executing Officer,  
Delhi Jal Board, Varunalaya, Phase-II,  
Jhandewalan Extn, Delhi- 110005.

**Subject: Online monitoring system report in respect of Sewage treatment Plants (STPs) of Delhi Jal Board.**

Sir,

Central Pollution Control Board has assessed the online Monitoring data for Continuous Effluent Monitoring Stations (CEMS) installed at outlets of STPs from October 2018 onwards. The assessment reveals that out of 33 STPs, 08 STPs are offline as no data is being generated and 15 STPs are violating General Discharge Standards for discharge of Environmental Pollutants with respect to BOD, COD, TSS, pH and NH4-N. Detailed assessment report is attached herewith for reference.

In this regard, it is requested to take corrective action to improve water quality of STPs as per prescribed norms and provide compliance report within 15 days.

Enclosure: As above

Yours faithfully

[N K Gupta]  
Divisional Head -UPC-I

**STATUS OF SEWAGE TREATMENT PLANTS (COMPLYING/NON COMPLYING)  
W.R.T ONLINE MONITORING DATA OF DELHI JAL BOARD.**

Central Pollution Control Board has assessed the online Monitoring data for continuous effluent monitoring stations installed at outlets of STPs from October 2018 onwards. The assessment reveals that out of 33 STPs, 08 STPs are offline and no data being generated, 15 STPs are violating general discharge standards with respect to BOD, COD, TSS, pH and NH4-N and following observations are made.

1. Out of 33 STPs, 11 STPs installed at Coronation Phase I&II, Keshopur Phase II, Keshopur Phase III, Kondli Phase IV, Najafgarh, Narela, Okhla Phase IV, Pappan Kalan Phase I, Rithala Phase I, Yamuna Vihar I, Yamuna Vihar II are not following discharge standards with respect to BOD.
2. 2 STPs installed at Coronation Phase I&II and Keshopur Phase II are not following discharge standards with respect to COD.
3. 07 STPs installed at Coronation Phase III, Keshopur Phase I, Keshopur Phase II, Kondli Phase IV, Okhla Phase IV, Yamuna Vihar I, Yamuna Vihar II are not following discharge standards with respect to TSS.
4. 01 STP installed at Rithala Phase II is not following discharge standards with respect to NH4-N.
5. 02 STPs installed at Keshopur Phase I, Keshopur Phase III data for NH4-N is continuously showing erroneous values, which needs to be calibrated and verified.
6. 13 days pH Data is missing for 01 STP installed at CWG Village
7. NH4-N data is completely missing for 03 STPs CWG Village, Chilla, Pappan Kalan Phase-I

S.no	Name of STP	Number of non compliance observed							Data available from	Priority of Action	
		BOD	COD	pH	NH4-N	TSS	October 2018	November 2018			
1	DJB- CWG Village			13 day data missing for PH	data not available for NH4-N		13		05.10.2018	Need Attention	
2	DJB- CORONATION PHASE I & II	13	4						03.11.2018	Immediate Action Required	
3	DJB-Chilla				data not available for NH4-N				05.10.2018	Need Attention	
4	DJB-Coronation Phase III					3		3	05.11.2018	Need Attention for TSS	
5	DJB-Delhi Gate N	OFFLINE & No data available									URGENT ACTION
6	DJB-Delhi Gate Nallah II	Data available from 5 <sup>th</sup> November and found complying								05.11.2018	
7	DJB-Dr Sen Nursing Home	Data available from 3 <sup>rd</sup> November and found complying								03.11.2018	
8	DJB-Kapashera	OFFLINE & No data available									URGENT ACTION

9	DJB-Keshopur Phase I				Continuous 0 values so it need to be calibrated	4			03.11.2018		
10	DJB-Keshopur Phase II	26	26			26		Continuous Non compliance from 3rd November	03.11.2018	Immediate Action Required	
11	DJB-Keshopur PHASE III	3			Continuous 0 values so it need to be calibrated				03.11.2018	Need Attention	
12	DJB-Kondli Phase II	OFFLINE & No data available									URGENT ACTION
13	DJB-Kondli Phase IV	7				4			03.11.2018	Immediate Action Required	
14	DJB-Mehrauli	Data available from 2 <sup>nd</sup> November and found complying								03.11.2018	
15	DJB-Molar Band	Data available from 2 <sup>nd</sup> November and found complying								02.11.2018	
16	DJB-Najafgarh	14							03.11.2018	Immediate Action Required	
17	DJB- Narela	4							04.11.2018	Need Attention	
18	DJB-Nilothi Phase I	Data available from 3 <sup>rd</sup> November and found complying								03.11.2018	
19	DJB-Nilothi Phase II	OFFLINE & No data available									Immediate Action Required
20	DJB-Okhla Phase II	OFFLINE & No data available									Immediate Action Required
21	DJB-Okhla Phase III	Data available from 3 <sup>rd</sup> November and found complying								03.11.2018	
22	DJB-Okhla Phase IV	10				1			10	03.11.2018	Immediate Action Required
23	DJB-Okhla Phase V	OFFLINE since 04.11.2018								02.11.2018	
24	DJB-Okhla Phase VI	OFFLINE & No data available									
25	DJB-Pappan Kalan Phase-I	15			data not available for NH4-N		13	2		05.10.2018	Immediate Action Required
26	DJB-Pappankala Phase	Data available from 3 <sup>rd</sup> November and found complying								03.11.2018	
27	DJB-Rithala Phase I	17							17	02.11.2018	Immediate Action Required
28	DJB-Rithala Phase II				8 Continuous high values so it need to be calibrated				8	05.11.2018	Need attention for NH4-N
29	DJB-Rohini	OFFLINE & No data available									URGENT ACTION
30	DJB-Vasant Kunj	Data available from 3 <sup>rd</sup> November and found complying								03.11.2018	
31	DJB-Vasant Kunj New	Offline since 17.11.2018								03.11.2018	URGENT ACTION
32	DJB-Yamuna Vihar I	14				1			14	03.11.2018	Immediate Action Required
33	DJB-Yamuna Vihar III	3				1			4	03.11.2018	Need attention

File No A-14011/1/2015-Mon 13997

Date: 17/12/2018

To,

The Chief Executing Officer,  
Delhi Jal Board, Varunalaya, Phase-II,  
Jhandewalan Extn, Delhi- 110005

Subject: Online monitoring system report (30th Nov to 15<sup>th</sup> Dec 2018) in respect of Sewage treatment Plants (STPs) of Delhi Jal Board.

Reference: CPCB letter no A-14011/1/2015-Mon dated 04/12/2018 & 28/11/2018

Sir,

Central Pollution Control Board has assessed the online Monitoring data for Continuous Effluent Monitoring Stations (CEMS) installed at outlets of STPs from 30th Nov to 15<sup>th</sup> Dec 2018. The assessment reveals that out of 33 STPs, 02 STPs are offline as no data is being generated and 16 STPs are violating General Discharge Standards for discharge of Environmental Pollutants with respect to one or more parameter namely BOD, COD, TSS, pH and NH4-N. Detailed assessment report is attached herewith for reference.

In continuation to CPCB letter no A-14011/1/2015-Mon/13295 dated 28/11/2018 it is again requested to register yourself on CPCB's server (cpcbtdms.ac.in/cpcbindustryregistration/) to comply with directions of Hon'ble Yamuna Pollution Monitoring Committee.

In this regard, it is requested to take corrective action to improve performance of STPs so as to comply with prescribed norms and provide compliance report within 15 days.

Enclosure: As above

Your's faithfully



[N K Gupta]  
Divisional Head -UPC-I

Copy to:

1. The Member (Drainage) : For information and corrective action at the earliest.  
Delhi Jal Board, Varunalaya, Phase-II,  
Jhandewalan Extn, Delhi- 110005.
2. Member Secretary : For information and corrective action at the earliest.  
Delhi Pollution Control Committee  
5th Floor, ISBT Building,  
Kashmere Gate, Delhi-110006.
3. Executive Engineer (SDW)-VIII : For information and corrective action at the earliest.  
20 MGD STP, DJB, Dwarka, Sector 16d,  
Pappan Kalan, New Delhi 110075.
4. Yamuna Pollution Monitoring Committee : For kind information please  
Office of the YPMC, Room No 58,  
India International Centre, Max Muller Marg,  
Lodhi Estate, New Delhi 110003.

कन्द्रीय प्रदूषण नियंत्रण बोर्ड  
निर्गत...  
दिनांक... 17/12/18

[N K Gupta]

e/c

25/39/UPC-I  
18/12/18

**STATUS OF SEWAGE TREATMENT PLANTS (COMPLYING/NON COMPLYING)  
W.R.T ONLINE MONITORING DATA OF DELHI JAL BOARD.**

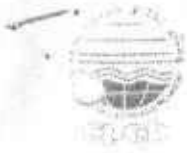
Central Pollution Control Board has assessed the online Monitoring data for continuous effluent monitoring stations installed at outlets of STPs from 30<sup>th</sup> November to 15 December. The assessment reveals that out of 33 STPs, 02 STPs are offline and no data being generated, 16 STPs are violating general discharge standards with respect to BOD, COD, TSS, pH & NH4-N and following observations are made.

1. Out of 33 STPs, 13 STPs installed at Coronation Phase I&II, Coronation Phase III, Keshopur Phase II, Kondli Phase IV, Najafgarh, Narela, Okhla Phase IV, Okhla Phase V, Pappan Kalan Phase I, Rithala Phase I, Rohini, Yamuna Vihar I, Yamuna Vihar II are not following discharge standards with respect to BOD.
2. 02 STPs installed at Okhla Phase V & Keshopur Phase II are not following discharge standards with respect to COD.
3. 10 STPs installed at Coronation Phase I & II, Coronation Phase III, Kapashera, Keshopur Phase II, Keshopur Phase III, Kondli Phase IV, Narela, Okhla Phase V, Vasant Kunj & Yamuna Vihar III are not following discharge standards with respect to TSS.
4. 01 STP installed at Rithala Phase II is not following discharge standards with respect to NH4-N.
5. 02 STPs installed at Keshopur Phase I, Keshopur Phase III data for NH4-N is continuously showing erroneous values, which needs to be calibrated and verified.
6. NH4-N data is completely missing for 03 STPs CWG Village, Chilla, Pappan Kalan Phase-I

S.no	Name of STP	Number of non compliance observed					Observations in period 30.11.2018 to 15.12.2018	Online Data available from	Priority of Action
		BOD	COD	pH	NH4-N	TSS			
1	DJB- CWG Village				data not available for NH4-N		NH4-N Data missing	05.10.2018	Need Attention
2	DJB-CORONATION PHASE I & II	11				2	13 Non Compliance for BOD&TSS	03.11.2018	Immediate Action Required
3	DJB-Chilla				data not available for NH4-N		NH4-N Data missing	05.10.2018	Need Attention
4	DJB-Coronation Phase III	2				4	6 Non Compliance for BOD & TSS	05.11.2018	Need Attention for BOD & TSS
5	DJB-Delhi Gate N	OFFLINE & No data available							URGENT ACTION
6	DJB-Delhi Gate Nallah II	Data available from 5 <sup>th</sup> November and found complying						05.11.2018	
7	DJB-Dr Sen Nursing Home	Data available from 3 <sup>rd</sup> November and found complying						03.11.2018	
8	DJB-Kapashera					1	Data available from 30 <sup>th</sup> November and found 1 Non Compliance for TSS	30.11.2018	URGENT ACTION

9	DJB-Keshopur Phase I				Continuous 0 values so it need to be calibrated		NH4-N need calibration	03.11.2018	Need Attention for NH4-N	
10	DJB-Keshopur Phase II	04	05		Continuous 0 values so it need to be calibrated	04	Data missing for 10 days in last 15 days.13 Non Compliance for BOD ,COD &TSS	03.11.2018	Immediate Urgent Action Required	
11	DJB-Keshopur PHASE III						Continuous 0 values so it need to be calibrated for BOD,COD&TSS	03.11.2018	Need Attention for calibration.	
12	DJB-Kondli Phase II	OFFLINE & No data available							URGENT ACTION	
13	DJB-Kondli Phase IV	6				4	10 Non Compliance for BOD & TSS	03.11.2018	Immediate Action Required	
14	DJB-Mehrauli	Data available from 2 <sup>nd</sup> November and found complying							03.11.2018	
15	DJB-Molar Band	Data available from 2 <sup>nd</sup> November and found complying							02.11.2018	
16	DJB-Najafgarh	02					02 Non Compliance for BOD	03.11.2018	Immediate Action Required	
17	DJB- Narela	04				03	07 Non Compliance for BOD & TSS	04.11.2018	Immediate Action Required	
18	DJB-Nilothi Phase I	Data available from 3 <sup>rd</sup> November and found complying							03.11.2018	
19	DJB-Nilothi Phase II	Data available from 30 <sup>th</sup> November and found complying							30.11.2018	
20	DJB-Okhla Phase II	Data available from 1 <sup>st</sup> December and found complying							01.12.2018	
21	DJB-Okhla Phase III	Data available from 2 <sup>nd</sup> November and found complying							03.11.2018	
22	DJB-Okhla Phase IV	04					04 Non Compliance for BOD	03.11.2018	Immediate Action Required	
23	DJB-Okhla Phase V	OFFLINE since 04.11.2018 ( Data available only for 3 days which is not complying standards for BOD,COD&TSS)							02.11.2018	Immediate Urgent Action Required
24	DJB-Okhla Phase VI	Data available from 30 <sup>th</sup> November and found complying (data not available for NH4-N)							30.11.2018	Immediate Action Required for NH4-N
25	DJB-Pappan Kalan Phase-I	08			data not available for NH4-N		08 Non Compliance for BOD & NH4-N Data missing	05.10.2018	Immediate Action Required	
26	DJB-Pappankala Phase-II	Data available from 2 <sup>nd</sup> November and found complying							03.11.2018	
27	DJB-Rithala Phase I	10					08 Non Compliance for BOD	02.11.2018	Immediate Urgent Action Required	
28	DJB-Rithala Phase II					4	4 Non Compliance for NH4-N	05.11.2018	Need attention for NH4-N	
29	DJB-Rohini	01					01 Non Compliance for BOD	30.11.2018	Attention Required for BOD	
30	DJB-Vasant Kunj					01	01 Non Compliance for TSS	03.11.2018	Attention Required for TSS	
31	DJB-Vasant Kunj New	( Data available only for 3 days which is complying standards for BOD,COD&TSS)							03.11.2018	Immediate Action Required
32	DJB-Yamuna Vihar I	09					09 Non Compliance for BOD	03.11.2018	Immediate Action Required	
33	DJB-Yamuna Vihar III	04				01	05 Non Compliance for BOD &TSS	03.11.2018	Immediate Action Required	





केन्द्रीय प्रदूषण नियंत्रण बोर्ड  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भाग्य सरकार  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE GOVT. OF INDIA

File. No A-14011/1/2015-Mon

Date: 06/02/2019

To,

The Chief Executing Officer,  
Delhi Jal Board, Varunalaya, Phase-II,  
Jhandewalan Extn, Delhi- 110005

**Subject: Online monitoring system report (16<sup>th</sup> Dec 2018 to 28<sup>th</sup> January 2019) in respect of Sewage treatment Plants (STPs) of Delhi Jal Board.**

**Reference: CPCB letter no A-14011/1/2015-Mon dated 04/12/2018, 28/11/2018 & 17/12/2018**

Sir,

Central Pollution Control Board has assessed the online Monitoring data for Continuous Effluent Monitoring Stations (CEMS) installed at outlets of STPs from 16<sup>th</sup> Dec 2018 to 28<sup>th</sup> January 2019. The assessment reveals that out of 33 STPs, 01 STP is offline and no data is being generated and 15 STPs are violating General Discharge Standards set for discharge of Environmental Pollutants with respect to one or more parameter namely BOD, COD, TSS, pH and NH3-N. Detailed assessment report is attached herewith for reference.

In this regard, it is requested to take corrective action to improve performance of STPs so as to comply with prescribed norms and provide compliance report within 15 days.

Enclosure: As above

Yours faithfully

*[Handwritten Signature]*

[N K Gupta]  
Divisional Head –UPC-I

Copy to:

1. The Member (Drainage) : For information and corrective action at the earliest.  
Delhi Jal Board, Varunalaya, Phase-II,  
Jhandewalan Extn, Delhi- 110005.
2. Member Secretary : For information and corrective action at the earliest.  
Delhi Pollution Control Committee  
5th Floor, ISBT Building,  
Kashmere Gate, Delhi-110006.
3. Executive Engineer (SDW)-VIII : For information and corrective action at the earliest.  
20 MGD STP, DJB, Dwarka, Sector 16d,  
Pappan Kalan, New Delhi 110075.
4. Yamuna Pollution Monitoring Committee : For kind information please  
Office of the YPMC, Room No 58,  
India International Centre, Max Muller Marg,  
Lodhi Estate, New Delhi 110003.

*[Handwritten Signature]*

[N K Gupta]

o/c

**STATUS OF SEWAGE TREATMENT PLANTS (COMPLYING/NON COMPLYING)  
W.R.T ONLINE MONITORING DATA OF DELHI JAL BOARD.**

Central Pollution Control Board has assessed the online Monitoring data for continuous effluent monitoring stations installed at outlets of STPs from 16 December to 28<sup>th</sup> January. The assessment reveals that out of 33 STPs, 01 STP is offline and no data being generated, 15 STPs are violating general discharge standards with respect to BOD, COD, TSS, pH & NH<sub>3</sub>-N and following observations are made.

1. Out of 33 STPs, 13 STPs installed at Coronation Phase I&II, Coronation Phase III, Keshopur Phase II, Keshopur Phase III, Kondli Phase IV, Narela, Nilothi Phase I, Okhla Phase III, Okhla Phase IV, Okhla Phase V, Pappan Kalan Phase I, Yamuna Vihar I, Yamuna Vihar II are not following discharge standards with respect to BOD.
2. 01 STPs installed at Keshopur Phase II is not following discharge standards with respect to COD.
3. 06 STPs installed at Coronation Phase I & II, Keshopur Phase II, Keshopur Phase III, Kondli Phase IV, Narela, Nilothi Phase I are not following discharge standards with respect to TSS.
4. 04 STPs installed at Delhi Gate Nalah, Okhla Phase III, Rithala Phase II and Yamuna Vihar I are not following discharge standards with respect to NH<sub>3</sub>-N.
5. 02 STPs installed at Keshopur Phase I, Keshopur Phase III data for NH<sub>3</sub>-N is continuously showing erroneous values, which needs to be calibrated and verified.
6. NH<sub>3</sub>-N data is missing for 04 STPs CWG Village, Chilla, Okhla Phase IV and Okhla Phase V

S.no	Name of STP	Number of non compliance observed					Observations in period 16.12.2018 to 28.01.2019	Online Data available from	Priority of Action
		BOD	CO D	pH	NH <sub>4</sub> -N	TSS			
1	DJB- CWG Village				data not available for NH <sub>3</sub> -N from 16.12.18 to 28.12.18		NH <sub>3</sub> -N Data missing	05.10.2018	Need Attention
2	DJB- CORONATION PHASE I & II	25				01	26 Non Compliance for BOD&TSS	03.11.2018	STP need Urgent Action.
3	DJB-Chilla				data not available for NH <sub>3</sub> -N to 16.12.18 to 19.12.18		NH <sub>3</sub> -N Data missing	05.10.2018	Need Attention
4	DJB-Coronation Phase III	14					14 Non Compliance for BOD	05.11.2018	STP needs Urgent Action.
5	DJB-Delhi Gate N			01	02		03 Non Compliance for pH & NH <sub>3</sub> -N	28.12.2018	Need Attention urgently for pH & NH <sub>3</sub> -N
6	DJB-Delhi Gate Nallah II						Data available from 5 <sup>th</sup> November and found complying.	05.11.2018	
7	DJB-Dr Sen Nursing Home						Data available from 3 <sup>rd</sup> November and found complying.	03.11.2018	

33

8	DJB-Kapashera	Data available from 30 <sup>th</sup> November and found complying					30.11.2018	
9	DJB-Keshopur Phase I			Continuous 0 values for NH3-N		NH3-N need calibration	03.11.2018	Need Attention for NH3-N
10	DJB-Keshopur Phase II	39	39	Continuous 0 values for NH3-N	39	117 Non Compliance for BOD ,COD & TSS	03.11.2018	STP need Urgent Action. Total Non Compliance
11	DJB-Keshopur PHASE III	44			39	83 Compliance for BOD & TSS	03.11.2018	STP need Urgent Action
12	DJB-Kondli Phase II	OFFLINE & No data available						URGENT ACTION
13	DJB-Kondli Phase IV	14			03	17 Non Compliance for BOD & TSS	03.11.2018	STP need Urgent Action
14	DJB-Mehrauli	Data available from 30 <sup>th</sup> November and found complying					03.11.2018	
15	DJB-Molar Band	Data available from 2 <sup>nd</sup> November and found complying					02.11.2018	
16	DJB-Najafgarh	Found complying					03.11.2018	
17	DJB-Narcla	03			03	06 Non Compliance for BOD & TSS	04.11.2018	Immediate Action Required
18	DJB-Nilothi Phase I	14			05	19 Non Compliance for BOD & TSS	03.11.2018	STP need Urgent Action
19	DJB-Nilothi Phase II	Data available from 30 <sup>th</sup> November and found complying					30.11.2018	
20	DJB-Okhla Phase II	Data available from 1 <sup>st</sup> December and found complying					01.12.2018	
21	DJB-Okhla Phase III	12			01	13 Non Compliance for BOD & NH3-N	03.11.2018	STP need Urgent Action
22	DJB-Okhla Phase IV	07		Data missing	Data Missing	07 Non Compliance for BOD and data missing for NH3-N & pH	03.11.2018	STP need Urgent Action
23	DJB-Okhla Phase V	16			Data Missing	10 Non Compliance for BOD and data missing for NH3-N	02.11.2018	STP need Urgent Action
24	DJB-Okhla Phase VI	Data available from 19 <sup>th</sup> November and found complying but showing continuous 0 values for many parameters. (data not available for NH3-N)					30.11.2018	Need Calibration
25	DJB-Pappan Kalan Phase-I	28				28 Non Compliance for BOD	05.10.2018	STP need Urgent Action
26	DJB-Pappankala Phase-II	Data available from 3 <sup>rd</sup> November and found complying					03.11.2018	
27	DJB-Rithala Phase I	Data available from 2 <sup>nd</sup> November and found complying					02.11.2018	
28	DJB-Rithala Phase II				01	01 Non Compliance for NH3-N	05.11.2018	Need attention for NH3-N
29	DJB-Rohini	Data available from 30 <sup>th</sup> November and found complying					30.11.2018	
30	DJB-Vasant Kunj	Data available from 3 <sup>rd</sup> November and found complying					03.11.2018	
31	DJB-Vasant Kunj New	Data available from 3 <sup>rd</sup> November and found complying					03.11.2018	
32	DJB-Yamuna Vihar I	23			06	29 Non Compliance for BOD	03.11.2018	STP need Urgent Action
33	DJB-Yamuna Vihar III	6				06 Non Compliance for BOD	03.11.2018	STP need Urgent Action