



1. Chief Secretary,  
Govt. of Uttar Pradesh  
Lucknow
2. Member Secretary,  
Uttar Pradesh pollution Control Board  
Building No. TC-12V, Vibhuti Khand,  
Gomti Nagar, Lucknow - 226010

**Sub.: Directions under Section 5 of the Environment (Protection) Act, 1986 regarding non-functional/non-compliant/under-utilized STPs in Gautam Buddha Nagar and Ghaziabad districts of Uttar Pradesh**

WHEREAS, National Mission for Clean Ganga (NMCG) has been constituted as an authority vide Government of India Notification No. S.O. 3187(E) dated 7<sup>th</sup> October, 2016 under the provisions of the Environment (Protection) Act, 1986 to exercise powers and discharge functions conferred under the said notification for abatement of pollution and rejuvenation, protection and management of the River Ganga and its tributaries; and

WHEREAS, para 39 of the Notification provides function of the NMCG and amongst others, clause (c) of the said para provides that NMCG shall identify or cause to be identified the specific threats to the River Ganga and its tributaries in areas abutting River Ganga and its tributaries, including the remedial actions to be taken for rejuvenation and protection of River Ganga and its tributaries; and

WHEREAS, para 41(2) & (3) of the Notification empowers NMCG to direct any person, authority, Board or Corporation to take such measures which may be necessary for prevention, control and abatement of pollution, rejuvenation, protection and management of the River Ganga and its tributaries; 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 rule framed there under (schedule VI); and

WHEREAS, amongst others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the functions of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control or abatement of pollution of water bodies in the State and to secure the execution thereof; and

WHEREAS, during a surprise inspection on 06<sup>th</sup> August 2020 of 14 STPs located in Ghaziabad and Gautam Buddha Nagar, Uttar Pradesh for their performance evaluation and monitoring in respect of notified discharge standard, it has been found that 10 STPs at Ghaziabad and Gautam Buddha Nagar were found to be non-compliant to stipulated discharge standards. All 14 STPs were found running below the designed capacity and 4 STPs were operating without consent to operate (CTO) for not less than last two years (since 3<sup>th</sup> – 4<sup>th</sup> October 2018 when last joint inspection was carried out by NMCG and UPPCB Officials). The Status Statement of STPs is enclosed at **Annexure**.

WHEREAS, it has been reported that 371MLD of untreated/partially treated sewage is being discharged directly into the river Hindon and thereby into the river Yamuna, due to improper functioning and/or under-utilization of the STPs in Ghaziabad and Gautam Buddha Nagar, Uttar Pradesh; and

WHEREAS, Hon'ble NGT is seized of the issues related to the pollution caused into the rivers Hindon and Yamuna due to non-functional/non-compliant STPs in the catchment of area of Hindon, in the matter of O. A. No. 648/2019 - M/s. Hindon River Resorts Pvt. Ltd. & Anr. Vs. Ghaziabad Development Authority & Ors. Vide order dated 02.01.2020 Hon'ble NGT inter-alia directed the Govt. of U.P. to take appropriate action against the erring officers and remedial action for preventing untreated sewage being discharged directly into the Hindon river system, in violation of the mandate of the law.

AND NOW, THEREFORE, in view of the above and in exercise of powers conferred to NMCG under the Notification, following directions under Section 5 of the Environment (Protection) Act, 1986, are issued for compliance:-

- i. Take effective and immediate action under law against the Owner/Operator/Occupier of defaulter STPs and erring officials/ Departments/Institutions including assigning of liability to prevent such default in future.
- ii. State Government of U.P. shall direct the district administration of Ghaziabad and Gautam Buddha Nagar districts to register police complaint against erring officials/ Departments/Institutions under Sections 277, 290, 425, 426 and 511 of the I.P.C. for polluting the Hindon and Yamuna Rivers by discharging untreated sewage into them.
- iii. A complaint must also be registered against the Owner/Operator/Occupier of defaulter STPs by UPPCB under the relevant provisions of the Water (Prevention and Control of Pollution) Act 1974 apart from levying and recovery of environmental compensation.
- iv. State Government of U.P. shall ensure strict vigilance on performance of the STPs by conducting surprise inspections through team of enforcement agencies and monitoring of efficacy and efficiency of the STPs through regular water quality assessments.
- v. An Action Taken Report must be submitted to NMCG within **one week** from the date of receipt of the aforesaid directions.



(Rajiv Ranjan Mishra)  
Director General

Copy to:

1. Chairman, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Delhi – 110032

Copy for information to:

1. PPS to Secretary, Dept. of Water Resources, River Development & Ganga Rejuvenation (DWR, RD & GR), Ministry of Jal Shakti, Shram Shakti Bhawan (SSB)
2. PS to ED (Projects/ Finance/ Technical), NMCG

Status Statement

S. No.	Name of STP	Designed Capacity (MLD)	Utilised Capacity (MLD)	Agency for O&M of STP	Sub-Contract	Compliance Status under Sec. 5 of the E(P) Act 1986		Measures to be taken based on the observations
						Complying / Not Complying	Reason for non-compliance	
1	Govindpuram, Ghaziabad	56 MLD STP (SBR Based)	15 MLD	Ghaziabad Development Authority	M/s- VibhorVhaibhav Infra Private Limited.	Not Complying	<ul style="list-style-type: none"> <li>Fecal Coliform 22x10<sup>4</sup> MPN/100 ml (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> </ul>	1. Valid Consent to Operate (CTO) under Water (Prevention and Control of Pollution) Act (1974) Air (Prevention and Control of Pollution Act (1981) to be obtained from SPCB and copy of the same to be provided to NMCG.
2	Dudahadia Vijay Nagar, Ghaziabad	56 MLD STP, SBR Tech based,	50 MLD	Uttar-Pradesh Jal Nigam	M/s- VA Tech Wabag	Not Complying	<ul style="list-style-type: none"> <li>BOD 36.0 mg/l (norm 30 mg/liter), TSS 275 mg/l (norm 100 mg/liter)</li> <li>Fecal Coliform 33x10<sup>6</sup> MPN/100 ml (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> <li>Plant operating without Consent to Operate (CTO) under Water and Air Acts</li> </ul>	2. Due to high coliform levels obtained at STP outlet, effluent quality w.r.t. TC/FC needs improvement, keeping into consideration the new STP norms. 3. The plant shall always ensure quality of the treated effluent within prescribed norms with respect to BOD, COD, TSS and TC/FC. 4. Provision for V-notch at STP outlet as a standby arrangement may serve in avoiding under estimation of quantification of effluent flowrate in case flowmeter is not working
3	ShaktiKhandIndirapuram Ghaziabad	56 MLD STP-SBR Based	50 MLD	Ghaziabad Development Authority	M/s- Techno Craft Solutions	Not Complying	<ul style="list-style-type: none"> <li>Fecal Coliform 11x10<sup>4</sup> MPN/100 ml (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> </ul>	5. The decanted sludge is dumped inside the STP premises from where dry sludge is to be taken by concerned Authority for final disposal however, no sludge record was maintained. Fresh Sludge not found at sludge disposal site though large quantity of old sludge is leftover there.
4	IndirapuramGhaziabad	74 MLD STP-SBR Technology	30 MLD	Uttar-Pradesh Jal Nigam	M/s- VA Tech Wabag	Not Complying	<ul style="list-style-type: none"> <li>BOD 35.0 mg/l (norm 30 mg/liter)</li> <li>Fecal Coliform 13x10<sup>5</sup> MPN/100 ml (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> <li>Plant operating without Consent to Operate (CTO) under Water and Air Acts</li> </ul>	6. C-Tech basins when non-function/not in use due to low influent/inflow should be completely emptied of rain-



5	SEC.-123 Noida, Gautam Buddha Nagar	35 MLD STP (SBR)	34 MLD	NOIDA Authority	M/s- HNB Engineers PVT. LTD.	<b>Not Complying</b>	<ul style="list-style-type: none"> <li><b>Fecal Coliform 40x10<sup>23</sup> MPN/100 ml</b> (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> </ul>	<p>water, wastewater and sludge.</p> <p>7. The plant shall get both influent as well as effluent discharge quality and MLSS &amp; MLVSS levels including TC/FC examined on monthly basis in a lab recognized under section 5 of the E(P)A 1986.</p> <p>8. <b>The 56 MLD STP at Vijay Nagar</b> shall keep proper and regular record of its daily sludge generation. Availability of insufficient quantity of fresh / dry sludge at sludge disposal site inside the premises in contrast with expected daily sludge generation based on BOD and TSS load vis. a vis. supply record maintained points towards the <b>possibility for bypass of the sewage without undergoing biological stabilization in the C-Tech Basin.</b></p> <p>9. <b>Supervisory Control and Data Acquisition (SCADA) system and DO cum Temperature Analyzers provided</b> at each SBR Tank to be <b>kept on working</b> condition for record of on-spot data from the display system.</p> <p>10. DO cum Temperature Analyser, Hydrostatic Flow Meter and SCADA system to be kept in working condition.</p> <p>11. The unit should maintain its MLSS of aeration tank to achieve efficiently its biological treatments. Problem associated with STP in achieving the required MLSS and MLVSS levels for proper biological treatment in SBR basin needs to be fixed.</p> <p>12. The plant shall always ensure the scientific way of disposal for its sludge and grit.</p> <p>13. Provision of flow measurement to be provided at MPS,</p>
6	SEC.-168 Noida, Gautam Buddha Nagar	50 MLD STP (SBR)	35 MLD	NOIDA Authority	M/s- HNB Engineers PVT. LTD.	<b>Not Complying</b>	<ul style="list-style-type: none"> <li><b>Fecal Coliform 24x10<sup>6</sup> MPN/100 ml</b> (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> </ul>	
7	Kasna Road Gr Noida, Gautam Buddha Nagar	137 MLD STP (SBR)	44 MLD	Greater Noida Authority	HNB Engineers PVT. LTD.	<b>Not Complying</b>	<ul style="list-style-type: none"> <li><b>Fecal Coliform 35x10<sup>4</sup> MPN/100 ml</b> (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> </ul>	
8	Eco Tech III, Gr Noida, Gautam Buddha Nagar	20 MLD STP (SBR)	5 MLD	Greater Noida Authority	HNB Engineers PVT. LTD.	<b>Not Complying</b>	<ul style="list-style-type: none"> <li><b>Fecal Coliform 92x10<sup>3</sup> MPN/100 ml</b> (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> </ul>	
9	SEC.-54 Noida	54 MLD STP (SBR)	35-40 MLD	Noida Authority	HNB Engineers PVT. LTD	<b>Complying</b>		
10	SEC.-54 Noida	33 MLD STP (SBR)	20 MLD	Noida Authority	HNB Engineers PVT. LTD	<b>Complying</b>		
11	SEC.-50 Noida	34 MLD STP (SBR)	34 MLD	Noida Authority	HNB Engineers PVT. LTD	<b>Complying</b>		
12	SEC.-50 Noida	25 MLD STP (SBR)	17 MLD	Noida Authority	HNB Engineers PVT. LTD	<b>Complying</b>		
13	Dudahadia Vijay Nagar, Ghaziabad	<b>70 MLD, UASB</b>	<b>60 MLD</b>	Uttar-Pradesh Jal Nigam	M/s- VA Tech	<b>Not Complying</b>	<ul style="list-style-type: none"> <li><b>BOD 51.15 mg/l</b> (norm 30 mg/liter), <b>TSS 317 mg/l</b> (norm 100 mg/liter)</li> <li><b>Fecal Coliform 33x10<sup>6</sup> MPN/100 ml</b> (NGT order dated 30<sup>th</sup> April 2019 FC &lt;</li> </ul>	

		based			Wabag		<p>230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</p> <ul style="list-style-type: none"> <li>Plant <b>operating without Consent to Operate (CTO)</b> under Water and Air Acts</li> </ul>	<p>STP inlet as well as at outlet and Bore well.</p> <p><b>14.</b> Manual Coarse and Fine Bar Screening should regularly be brought into operation.</p> <p><b>15.</b> Damaged diffuser from C-Tech Basin and Selector Zone to be removed so that proper dissolved oxygen is being maintained in C-Tech basin</p>
14	Indirapuram Ghaziabad	56 MLD STP- UASB Technology	48 MLD	Uttar-Pradesh Jal Nigam	M/s- VA Tech Wabag	<b>Not Complying</b>	<ul style="list-style-type: none"> <li><b>BOD 44.50 mg/l</b> (norm 30 mg/liter , <b>TSS 147 mg/l</b> (norm 100 mg/liter)</li> <li><b>Fecal Coliform 17x10<sup>6</sup> MPN/100 ml</b> (NGT order dated 30<sup>th</sup> April 2019 FC &lt; 230 MPN/100 ml) and MOEF Notification 2017 FC &lt; 1000 MPN/100 ml)</li> <li>Plant operating without Consent to Operate (CTO) under Water and Air Acts</li> </ul>	<p><b>16.</b> Floating material should be properly removed from sewage pumping house station.</p> <p><b>17.</b> Logbooks for effluent quality characteristics, sludge disposal/management, chlorination and poly dosing and electricity/power consumption to be maintained on regular basis.</p> <p><b>18.</b> The plant shall dismantle any additional conveyer outlet arrangement of treated effluent from premises into the drain.</p> <p><b>19.</b> Housekeeping of STPs to be maintained properly.</p> <p><b>20.</b> At <b>56 MLD Govindpuram STP</b>, Water logging was found in major portion of the STP premises due to the over flow of treated wastewater from the outlet conveyer pit lying at the boundary of STP premises. The reason of overflow is due to difference in the pump discharge line with a dia. 200 mm from pit to drain and conveyer line with a dia. of 900 mm between CCT and pit.</p> <p><b>21.</b> Fluctuations in inflow of STPs in Noida and 56 MLD Dudahadia Vijay Nagar, Ghaziabad has been observed due to irregular operation of pumping stations which should be avoided by taking necessary measures.</p> <p><b>22.</b> Appropriate action may be taken against the non-</p>

								<p>complying STPs, keeping into consideration the provision of 'Environmental Compensation' which is already present in Hon'ble NGT Judgement vide its indent dated 13th July 2017 in OA 200/2014 guidelines wherein it is directed to impose Environmental Compensation against the Non-Complying STPs as well as issue directions for ensuring that there is proper prevention and abatement of pollution.</p>
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