

**SPEED POST**

File No. B-190200/WQM-II/CPCB/STP/2016-17 <sup>1855-1879</sup> Date: 19/04/2017

To,

~~The Authorities~~  
(As per the list enclosed)

**DIRECTIONS UNDER SECTION 5 OF THE ENVIRONMENT (PROTECTION) ACT, 1986 REGARDING SEWAGE TREATMENT PLANTS**

**Whereas**, the 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**, 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; and

**Whereas**, the cities and the towns have not created adequate systems for sewage collection and its treatment and thus untreated waste water either goes into rivers or lakes or remains inundated on land causing ground water contamination; and

**Whereas**, National Mission for Clean Ganga (NMCG) has identified 118 class-I, II, III, IV & V cities/towns called Ganga front towns near the banks of Ganga and sewage generated from these cities/towns located in your state falls directly in river Ganga & its tributaries through drains and is also responsible for deterioration of the water quality of river Ganga; and

**Whereas**, CPCB vide D.O letter dated 08/07/2014 has requested to Chief Scretaries of four States Governments of Ganga basin namely Utrakhand, Uttar Pradesh, Bihar & West Bengal to direct urban development authorities and urban local bodies to formulate a comprehensive plan for 100% sewage treatment and so that no untreated sewage enters any water body and for setting up of Real Time/Continuous Water Quality monitoring Stations at the outfall of each Drain/STP; and

**Whereas**, CPCB issued directions dated: 21/04/2015 under Section 18 (1) (b) of Water (Prevention and Control of Pollution) Act, 1974 to the State Pollution Control Boards (SPCBs)

/Pollution Control Committees (PCCs) to direct concerned authorities and municipalities in the State/Union Territory to develop infrastructure for sewage management; and

**Whereas**, CPCB vide letter dated 21/09/2015 has also communicated guidelines to Municipal Corporations of Allahabad, Howrah, Kanpur, Kolkata, Patna & Varanasi for Rejuvenation/Improving sanitary conditions of open drains carrying sewage – sullage; and

**Whereas**, CPCB issued directions dated 10/09/2015 under Section 5 of Environment (Protection) Act, 1986 to the Commissioner/Mayor/Chief Executive Officer of the Nagar Nigam/ Municipal Corporation/Local Bodies/Panchayat of the identified 118 Ganga front towns regarding treatment of entire sewage generated from these towns, utilization of treated sewage and installation of online monitoring devices at inlet and outlet of STPs; and

**Whereas**, Hon'ble Supreme Court in the writ petition (c) no. 375 of 2012 pronounced judgement dated: 22/02/2017 as under:

*"Just in manner suggested hereinabove, for the purpose of setting up of 'common effluent treatment plants' the concerned State Governments (including, the concerned Union Territories) will prioritize such cities, towns and villages, which discharge industrial pollutants and sewer, directly into rivers and water bodies."*

*"We are of the view, that in the manner suggested above, the malady of sewer treatment, should also be dealt with simultaneously. We therefore hereby direct, that 'sewage treatment plants' shall also be set up and made functional, within the timelines and the format, expressed hereinabove."*

**And Whereas**, water quality of river Ganga has been monitored manually at 57 and by real time stations at 8 locations and it has been observed that water quality has been deteriorating on account of disposal of untreated sewage through various drains or partially treated sewage and trade effluent in to the river and making the river unfit for human bathing/consumption; and

**Whereas**, based on the performance studies carried out by CPCB on STPs, it has been observed that capacity of the STPs is either under utilized and the operating plants are also not meeting with the standards. The poor operation and maintenance of the STPs has also been observed; and

**Whereas**, concerned authority (UJS, PJN, UPJN, BRJP, KMDA, KMWSA, PHED (WB) and local urban bodies of Jharkhand) is responsible for operation and maintenance of STPs in Uttarakhand, Uttar Pradesh, Bihar, Jharkhand & West Bengal.


**And Now, Therefore**, based on all material facts available with CPCB, realizing that the water quality of river Ganga is getting effected and to prevent further deterioration, and in exercise of powers delegated under Section 5 of the Environment (Protection) Act, 1986 you are directed to provide the following information and to comply with directions as stated hereunder:

1. The estimated volume of sewage generated, treated & bypassed into river Ganga & its tributaries without treatment from Ganga front Towns located under your jurisdiction (list enclosed) and also provide the information for each Ganga front town on following points:

- a. Present sewage collection, treatment and disposal arrangements in the city/town area, pointing out deficiencies, if any in system of collection and treatment.
  - b. Coverage of toilets
  - c. Coverage of sewage network services (% area with details) & collection efficiency of sewage network
  - d. Adequacy of sewage treatment capacity (on the basis of total sewage generated). Volumen of sewage being treated or bypasses by STP.
  - e. Quality of final treated sewage (including load reduction)
  - f. Extent of reuse or recycling of sewage
  - g. Sludge treatment & septage management
2. The status of no. of STPs installed in Ganga front towns located under your jurisdiction their installed capacity along with name, location, treatment technology, degree of treatment (pre-treatment, primary treatment, secondary biological treatment, tertiary treatment and post treatment i.e. chlorination/membrane filtration), treatment facility available for control of fecal coliform in the treated sewage, date of commissioning and name of project under which STPs were funded.
  3. Area served by STPs, quantity & quality of sewage collected, details of components of the system such as collection network, size and type of pumping stations, extent of sludge production and its disposal and effluent reuse or disposal methods. Also provide the percentage of unserved area.
  4. The details of performance of STPs under your jurisdiction, whether or not sewage is being received in STPs through integrated sewage network or the sewage is being lifted from drains directly.
  5. The operational status and operating capacity of individual STPs against the installed capacity. If any STP is non-operational, the reason for non-operational and date since it was non-operational. If STPs are working under utilized capacity, the major reason for under utilization of designed capacity.
  6. Provide the plan for re-vamping of non-operational STPs/ construction of new STP in place of non-operational STPs.
  7. The time bound action plan/DPR for capacity augmentation and upgradation of STP to ensure compliance of all parameters along with details of land available for construction of new STP/additional treatment units as per the proposed action plan/DPR.
  8. Average daily operational hours of the sewage pumping stations and STPs, average daily power cut hours, details of alternative power backup arrangement (for individual STP).
  9. The status of installation of online monitoring devices on STPs to monitor consented parameters.
  10. With regard to open Nallas/ drains, which are directly flowing in the river, steps shall be taken for temporary tapping the wastewater by putting wirenets/screens at the tail end of Nallas to stop the clothes, polythenes and other solid garbage from falling directly into the river. These wirenets should be cleaned regularly.

11. The authority shall prepare a plan for interception, diversion of all the open Nallas falling directly in Ganges & its tributaries to trap the Nallas / drains and treat their water by treatment plants.
12. The drainage map of the catchment area of these drains shall also be prepared. Details of colonies/human settlement/Industrial clustures connected through these drains shall also be provided.
13. The authority shall take all necessary measures so that STPs which have been commissioned and all pumping stations work to their maximum capacity regularly and in no case their function should be stopped.
14. The authority shall ensure that all STPs shall maintain a complete record / log book of their operations.
15. The continuous power supply at STPs and pumping stations shall be ensured (at least dual feeder system)
16. Plan for reuse of treated sewage for non-potable applications shall be implemented wherever possible
17. With regard to STPs, the authority shall submit the details of each and every project, the projects which are under way as well as the projects which are under consideration and also indicate the specific time frame when these plans will be completed to commission.
18. The authority shall undertake a time bound action plan for collection and treatment of entire sewage generated in the identified Ganga front towns located in your jurisdiction along with reuse/disposal of treated sewage so that wastewater is not permitted to flow into the river Ganga. The plan shall be based on actual field survey.

The authority shall acknowledge the receipt of these directions within a week and submit the action taken report within 30 days from the date of issue of these directions. In case of default in compliance with the above directions by the authority, CPCB will be constrained to initiate appropriate action against the authority, in accordance with the provisions of the Environmental (Protection) Act, 1986.

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

Copy to :

1. The Principal Secretary  
Housing & Urban Planning Department  
(Uttarakhand, Uttar Pradesh, Bihar, Jharkhand & West bengal)
2. The Secretary  
Department of Municipal Affairs  
Government of West Bengal

3. The Chairman  
SPCB  
(Uttarakhand, Uttar Pradesh, Bihar, Jharkhand & West bengal)
4. The Director General,  
National Mission for Clean Ganga (MoWR, RD & GR)  
1st Floor, Major Dhyan Chand National Stadium  
India Gate, New Delhi – 110002
5. The Advisor (CP Divison),  
Ministry of Environment, Forests, & Climate Change  
Indira Paryavaran Bhwan, Jorbagh Road,  
Ali Ganj, Lodi Colony,  
New Delhi - 110013
6. The Advisor (NRCD),  
Ministry of Environment, Forests, & Climate Change  
Indira Paryavaran Bhwan, Jorbagh Road,  
Ali Ganj, Lodi Colony,  
New Delhi - 110013
7. ✓ The Incharge, IT Division, CPCB : for uploading on website
8. The Regional Director, :for follow up & update  
Regional Directorate –Lucknow & Kolkata  
Central Pollution Control Board  
the status



(A.B. Akolkar)

**MEMBER SECRETARY**

## **List of Authorities**

1. The Chairman, Uttarakhand Pey Jal Nigam (PJN), Uttarakhand
2. The Chairman, Uttarakhand Jal Sansthan (UJS), Uttarakhand
3. The Chairman, Uttar Pradesh Jal Nigam (UPJN), Uttar Pradesh
4. Director Councilor, Bihar Rajya Jal Parishad (BRJP), Bihar
5. Executive Officer, Rajmahal Nagar Parishad, Jharkhand
6. Executive Officer, Sahebganj Sharif Nagar Parishad, Jharkhand
7. CEO, Kolkata Metropolitan Development Authority (KMDA), West Bengal
8. Chairman, Kolkata Metropolitan Water and Sanitation Authority (KMWSA),  
West Bengal
9. Engineer in-chief, Public Health Engineering Department (PHED),  
Government of West Bengal

### Important 118 Ganga River front Towns identified by NMCG

S.No.	State	Class of Town	District	Town	
1	Uttarakhand	I	Haridwar	Haridwar (including BHEL Ranipurur * )	
2		II	Dehradun	Rishikesh	
3		III	Chamoli	Gopeshwar *	
4			Tehri Garhwal	Tehri (Tapovan - Rishikesh)	
5			Garhwal	Srinagar *	
6		IV	Chamoli	Joshimath *	
7			Uttarkashi	Uttarkashi (Budkot) *	
8			Tehri Garhwal	Muni ki Reti - Dhaluwala	
9		V	Chamoli	Gaucher	
10			Chamoli	Karnaprayag *	
11			Rudraprayag	Rudraprayag *	
12		VI	Chamoli	Kirtinagar	
13			Chamoli	Nandprayag	
14			Chamoli	Badrinath(puri) *	
15			Tehri Garhwal	Devprayag *	
16	Uttar Pradesh	I	Allahabad	Allahabad	
17			Farrukhabad	Farrukhabad	
18			Ghazipur	Ghazipur	
19			Kanpur Nagar	Kanpur	
20			Mirzapur	Mirzapur	
21			Varanasi	Varanasi	
22			Chandauli	Mughal Sarai	
23			Moradabad	Moradabad	
24			Ballia	Ballia	
25			Unnao	Unnao	
26			Fatehpur	Fatehpur	
27			II	Bijnor	Bijnor *
28				Kannauj	Kannauj
29				Unnao	Gangaghat
30		Bijnor		Najibabad	
31		Jyotiba Phule Nagar		Gajraula	
32		Bijnor		Nagina	
33		Bijnor		Chandpur	
34		Bijnor		Dhampur	
35		Bulandshahar		Jahangirabad	
36		Sant Ravidas Nagar		Bhadohi	
37		III	Bulandshahr	Anupshahar *	
38			Mirzapur	Chunar *	
39			Ghazipur	Saidpur	
40			Ghaziabad	Garhmukhteshwar	
41			Varanasi	Ramnagar	
42			Bulandshahar	Narora	

S.No.	State	Class of Town	District	Town	
43	Bihar	IV	Kanshiram Nagar	Soron	
44			Meerut	Hastinapur	
45			Kanpur Nagar	Bithoor	
46			Budaun	Babrala	
47		I	Bhojpur	Arrah	
48			Bhagalpur	Bhagalpur	
49			Buxar	Buxar	
50			Saran	Chapra	
51			Vaishali	Hajipur *	
52			Munger	Munger	
53			Patna	Patna	
54			Patna	Danapur (Dinapur Nizamat)	
55			Begusarai	Begusarai	
56			Katihar	Katihar	
57			Munger	Jamalpur	
58			Nalanda	Bihar Sharif	
59			Patna	Mokameh *	
60			Patna	Fatuah	
61			Patna	Barh	
62			Begusarai	Barauni	
63			Bhagalpur	Sultanganj	
64			Buxar	Dumraon	
65		Kaimur (Bhabua)	Bhabua		
66		Lakhisarai	Lakhisarai		
67		Patna	Phulwari Sharif		
68		Lakhisarai	Barahiya		
69		Bhagalpur	Kahelgaon (Colgong) *		
70		Patna	Bakhtiyarpur		
71		Bhagalpur	Naugachhia		
72		Saran	Sonepur		
73		Jharkhand	II	Sahebganj	Sahebganj
74			III	Sahebganj	Rajmahal
75				Kolkata	Kolkata
76				Maldah	English Bazaar
77				Murshidabad	Bahrampur
78				Nadia	Santipur
79				Purba Medinipur	Haldia
80				Uttar Dinajpur	Raiganj
81				Nadia	Krishnanagar
82				Nadia	Nabadwip
83				North 24 Parganas	Barrackpore *
84				Hugli	Uttarpara Kotrung *
85				Hugli	Rishra
86		Hugli	Baidyabati		



S.No.	State	Class of Town	District	Town
87	West Bengal	I	Hugli	Champdani
88			Hugli	Bhadreshwar
89			North 24 Parganas	Kamarhati
90			North 24 Parganas	Baranagar
91			North 24 Parganas	Naihati *
92			North 24 Parganas	Kanchrapara
93			Hugli	Serampore
94			Hugli	Hugli-Chinsurah
95			South 24 Parganas	Maheshtala *
96			North 24 Parganas	Panihati
97			Haora	Bally
98			Haora	Ulluberia
99			North 24 Parganas	Khardah *
100			Haora	Howrah
101			Hugli	Bansberia
102			Hugli	Chandannagar
103			North 24 Parganas	Titagarh
104			North 24 Parganas	Halishahar *
105			Nadia	Kalyani
106			North 24 Parganas	Bhatpara
107		II	Murshidabad	Dhulian *
108			Murshidabad	Jangipur *
109			Nadia	Ranaghat
110			Murshidabad	Jiaganj-Azimganj *
111			Bardhaman	Katwa *
112			Nadia	Chakdah *
113			Hugli	Konnagar *
114			South 24 Parganas	BudgeBudge
115			Nadia	Gayespur *
116			North 24 Parganas	Garulia *
117		III	Murshidabad	Murshidabad *
118	South 24 Parganas		Diamond Harbour *	