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June 3rd, 2019

To

Chairman
Uttar Pradesh Pollution Control Board,
Building No. TC-12V, Vibhuthi Khand,
Gomti Nagar, Lucknow - 226 010

DIRECTIONS ISSUED UNDER SECTION 18 (1) (b) OF THE WATER (PREVENTION AND CONTROL OF POLLUTION) ACT, 1974 REGARDING WATER QUALITY RESTORATION OF RIVER GANGA IN KANPUR-FATEHPUR REGION

WHEREAS, amongst others, under Section 17 of the Water (Prevention and Control of Pollution) Act, 1974, one of the function of the State Pollution Control Board (SPCB), constituted under the Water (Prevention & Control of Pollution) Act, 1974 is to plan a comprehensive programme for prevention, control or abatement of pollution of streams and wells located in the State and to secure the execution thereof; and

WHEREAS, amongst others, under section 16 of the Water (Prevention and Control of Pollution) Act, 1974, one of the function of the Central Pollution Control Board (CPCB), constituted under Water (Prevention and Control of Pollution) Act, 1974 is to coordinate activities of the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs) and to provide technical assistance and guidance to SPCBs / PCCs; and

WHEREAS, amongst others, under section 16 of the Water (Prevention and Control of pollution) Act, 1974, one of the function of the Central Pollution Control Board, is to promote cleanliness of streams and wells in different areas of the States; and

WHEREAS, the Central Government has notified standards for discharge of environmental pollutants from industries and common effluent treatment plants (CETPs), under the Environmental (Protection) Act, 1986 and rules framed there under, and

WHEREAS, the State Pollution Control Boards (SPCBs) and Pollution Control Committees (PCCs) are empowered to stipulate standards for discharge of environmental pollutants for various categories of industries and common effluent treatment plants (CETPs) more stringent than those notified by the Central Government, under the Environmental (Protection) Act, 1986 and rules framed there under; and

WHEREAS, Water Quality of River Ganga and its tributaries has been threatened due to disposal of untreated sewage and sullage from drains and discharge of untreated/partially treated effluents from Grossly Polluting Industries (GPIs) which are mixed with drain effluents and reaching to Ganga directly or through its tributaries; and

WHEREAS, the Hon'ble Supreme Court of India in WP (375 of 2012) passed a judgement dated 22.02.2017 that

"the concerned SPCBs are mandated to carry out inspections, to verify, whether or not, each industrial unit regarding "consent to operate", has a functional primary effluent treatment plant. Such of the industrial units, which have not been able to make their primary effluent treatment plant fully operational, within the notice period, shall be restrained from any further industrial activity. This direction may be implemented by requiring the concerned electricity supply and distribution agency, to disconnect the electricity connection of the defaulting industry. We therefore hereby further direct, that in case the concerned SPCBs make a recommendation to the concerned electrical supply and distribution agency/company, to disconnect electrical supply to an industry, for the reason that its primary effluent treatment plant is not functional, it shall honor such recommendation, and shall disconnect the electricity supply to such defaulting industrial concern, forthwith,"

AND WHEREAS, CPCB in consultation with UPPCB has inventoried 812 Grossly Polluting Industries (GPIs) from sectors Chemical (Organic & Inorganic), Distillery, Sugar, Pulp & Paper, Textile, Dying, Bleaching, Slaughter House, Food & Dairy and others categories of industry operating in state of Uttar Pradesh and having potential to discharge effluent into river Ganga and tributaries river Ramganga and Kali-East; and

AND WHEREAS, CPCB issued directions dated 10.03.2017 under Section 18 (1) (b) of Water (Prevention and Control of Pollution) Act, 1974 to the Uttar Pradesh Pollution Control Board (UPPCB) for restoration of water quality of River Ganga and directed:

- i) to take up water quality monitoring of River Ganga, Ramganga and river Kali-East along with adjoining drains and tributaries on monthly basis and River Kali-East (Uttar Pradesh), along with adjoining drains on monthly basis for physico-chemical parameters, and on quarterly basis for micro pollutants (Metals & Pesticides) at the downstream of major urban centres and industrial clusters with a view to prevent pollution load on Ganga starting from March, 2017.
- ii) to take up monitoring of Sewage Treatment Plants (STPs) discharging into river Ganga on monthly basis.
- iii) to regularly monitor compliance of industries and grant consent-to-operate to industries having requisite effluent treatment facilities and complying with the prescribed standards and shall update status online through India e-track web portal hosted by CPCB. SPCB shall

ensure that no industry operates without a valid consent and industries operating without consents should be closed down.

- iv) to ensure that no industry disposes coloured effluent into any drain / tributaries so that River Ganga and its tributaries do not receive any coloured effluent.
- v) to ensure that the drains/small tributaries should be neatly maintained and no filthy material/ garbage or any other solid waste should be disposed in these drains/ tributaries. SPCB shall also take action if solid waste is dumped along drains or bank of river/tributaries.
- vi) to monitor the performance of CETPs in the State on monthly basis and also ensure that the online data for treated effluent is transmitted to the server of CPCB/SPCB. SPCB shall prescribe PETP standards to the member industries of CETP and ensure that their monitoring is done at least on monthly basis. In case of failure of CETPs meeting with the standards, the member units shall be held responsible for ensuring that CETPs meet the stipulated standards. In case of failure of compliance, the member units shall close down their operations immediately.
- vii) SPCB shall ensure that the closure directions issued by CPCB are enforced and compliance reports in respect of each such unit shall be reported within 4 days from the date of receipt of the closure order by SPCB.

AND WHEREAS, in the meeting chaired by Principal Secretary to Prime Minister regarding "Clean Ganga Mission" on Jan 22, 2019, it was decided that Central Pollution Control Board/Uttar Pradesh pollution Control Board shall monitor the water quality at various locations on the river Ganga especially Jajmau, Sisamau and other spots with GPs on weekly basis and submit monthly qualitative report to this office. Wherever required, necessary corrective measures should be executed by CPCB/UPPCB; and

WHEREAS, a meeting was held at UPPCB Lucknow on March 07, 2019 with CPCB and 24 drains are identified in Unnao (2) and Kanpur (22) regions for weekly monitoring by joint teams (CPCB & UPPCB). Water quality of river Ganga and river Pandu shall also be monitored by joint teams at 08 locations. Monitoring commenced from March 19, 2019; and

AND WHEREAS, on basis of weekly monitoring of drains in Kanpur and Unnao region, 14 drains were identified where high colour, BOD, fluctuation in flow, flow in tapped drains and Total Chromium are observed. CPCB issued directions dated 08.05.2019 under Section 18 (1) (b) of Water (Prevention and Control of Pollution) Act, 1974 to the Uttar Pradesh Pollution Control Board (UPPCB) for restoration of water quality of River Ganga in Kanpur and Unnao region and directed:

1. to take immediate necessary action to effectively control all polluting sources contributing to identified drains.

2. to ensure that no industry disposes untreated effluent and any effluent not meeting prescribed standards into any drain so that river Ganga does not receive any coloured/ untreated effluent.
3. to ensure that no water discharging industrial unit which is non-compliant is functioning in the catchment of any drain.
4. to regularly monitor compliance of industrial units and grant consent-to-operate to industries having requisite effluent treatment facilities and complying with prescribed standards and ensure that no industrial unit operates without valid consent-to-operate and industries operating without valid consent should be closed down forthwith.
5. To setup surveillance squads for tanneries and ensure that no illegal tanning activities are being carried out.
6. to impose Environmental Compensation on illegal tanning activities and submit weekly surveillance and action taken reports to CPCB.
7. to direct concerned authorities to ensure proper functioning of pumping stations so that no wastewater is discharged through tapped drains.

WHEREAS, analysis reports of weekly monitoring of river Ganga and Pandu from March 19 to May 07, 2019 carried out by CPCB were analyzed and following observation are made:

- i) River Ganga is not meeting outdoor bathing water quality criteria w.r.t. BOD (<3.0 mg/l) occasionally at upstream of barrage, Kanpur (1.86-5.0 mg/l), downstream of barrage, Kanpur (1.07-3.45 mg/l), upstream of Shuklaganj, Kanpur (1.1-4.63 mg/l) and downstream of Shuklaganj, Kanpur (2.09-6.68 mg/l).
- ii) River Ganga is not meeting outdoor bathing water quality criteria w.r.t. BOD during all occasions at Bithoor (3.1-5.09 mg/l) and before confluence to river Pandu at Fatehpur (5.05-14.1 mg/l). High BOD in river Ganga before confluence of Pandu at Fatehpur which is a downstream location of Kanpur is indicating discharge of untreated sewage and industrial effluent from Kanpur town.
- iii) River Ganga after confluence with Pandu at Fatehpur is not meeting outdoor bathing water quality criteria w.r.t. BOD during most of the occasions (2.18-19.2 mg/l). At this location faecal Coliform is not meeting criteria (<2500 MPN/100 ml) during all occasions (2000-1.7x10⁴ MPN/100ml) and Dissolved Oxygen is also not meeting criteria occasionally (3.5-9.5 mg/l).
- iv) Except Bithoor, all other locations are not meeting criteria w.r.t to Faecal Coliform occasionally.
- v) River Pandu is not meeting outdoor bathing water quality criteria w.r.t. BOD (3.6-31.5 mg/l) during all occasions while Dissolved Oxygen (1.8-8.5 mg/l) and Faecal Coliform (<1.8-7.9x10⁵ MPN/100 ml) are not meeting criteria occasionally.
- vi) Analysis results are attached at annexure-I.

It is evident that river Ganga is polluted in its stretch from Bithoor to Fatehpur; due to discharge of sewage and industrial effluent directly or through drains and tributary river Pandu; discharge of untreated sewage from towns and industrial effluent from authorized & unauthorized industrial/processing units located in river Ganga catchment from Bithoor to Fatehpur are identified as the major potential sources of pollution.

AND NOW THEREFORE, in view of above mentioned observations and in the interest of Rejuvenation of River Ganga and in exercise of the power conferred under Section 18 (1) (b) of the Water (Prevention & Control of Pollution) Act, 1974 you are here by directed to take appropriate measures for compliance and issuance of directions to concerned agencies and industrial units to ensure implementation of following pollution control measures in a time bound manner and to submit action taken report along with defined timelines for improvement, within 30 days:

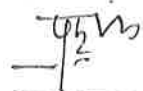
1. UPPCB shall take immediate necessary action to effectively control all polluting sources responsible for pollution in river Ganga from Bithoor to Fatehpur stretch.
2. UPPCB shall coordinate with concerned authorities to ensure minimum environmental flow in the river system.
3. UPPCB shall regularly monitor compliance of industrial units and Common Effluent Treatment Plants (CETPs) and ensure that no industrial unit as well as CETPs operate without complying with effluent discharge norms as notified under Environment (Protection) Rules, 1986.
4. UPPCB along with District Administration and Municipal Corporations shall conduct surveys to prepare inventory of all industrial units operating without valid consent in cities/towns and take necessary action.
5. UPPCB shall identify domestic drains and ensure that no industrial unit authorized/unauthorized discharge its effluent in domestic drain.

Action taken report shall be submitted by UPPCB to CPCB by 15th June, 2019. UPPCB shall acknowledge receipt of these directions immediately.


06/06/19
(S. P. SINGH PARIHAR)
CHAIRMAN

Copy to:

1. **Director General**
National Mission for Clean Ganga (MOWR, RD & GR)
1st floor, Major Dhyan Chand National Stadium,
India Gate, New Delhi-110002 : For kind information, please
2. **Principal Secretary**
Uttar Pradesh State Ganga River Conservation
Agency & Urban Development
Bapu Bhawan Secretariat
Room No. 824, Lucknow-226001 : For kind information and to take necessary
action for restoration of water quality of
R. Ganga, please
3. **Chairman**
Uttar Pradesh Jal Nigam,
6, Rana Pratap Marg,
Lucknow - 226001 U.P. : For kind information and to take necessary
action for restoration of water quality of
R. Ganga, please
4. **District Magistrate**
Civil Lines, Kalyani,
Unnao, Uttar Pradesh 209801 : For kind information and to take necessary
action for restoration of water quality of
R. Ganga, please
5. **District Magistrate**
Collector Mansion Road, Kanpur Nagar,
Kanpur, Uttar Pradesh 208001 : For kind information and to take necessary
action for restoration of water quality of
R. Ganga, please
6. **District Magistrate**
Collectorate Campus,
Fatehpur, Uttar Pradesh-212601 : For kind information and to take necessary
action for restoration of water quality of
R. Ganga, please
7. **Joint Secretary (CP Division)**
Ministry of Environment, Forest & C.C
Prithvi Block, Indira Paryavaran Bhawan,
Jorbagh Road, New Delhi – 110 003 : For kind information, please
8. **Regional Director**
Regional Directorate
Central Pollution Control Board
PICUP Bhawan, Ground Floor, Vibhuti Khand,
Gomti Nagar, Lucknow – 226 010 : For follow up and ensuring compliance.
- ✓ 9. The In-charge, IT Division, CPCB
10. Master file/Guard file WQM II, CPCB Delhi


(PRASHANT GARGAVA)
MEMBER SECRETARY

River Ganga water quality weekly data (19/03/2019-07/05/2019)

S. No.	Location	Sampling date	DO (mg/l)	Temp (°C)	pH	Colour (Hazen)	BOD (mg/l)	COD (mg/l)	TC (MPN/100 ml)	FC (MPN/100 ml)	*T Cr. (mg/l)
1.	R. Ganga at Bithoor	19.03.2019	10.9	24	8.15	15	4.76	19.4	2.0×10 ³	<1.8	BDL
		27.03.2019	10.7	23	8.86	20	3.3	13.9	2.0×10 ³	<1.8	BDL
		02.04.2019	8.5	29	8.48	10	5.53	15.0	2.0×10 ³	<1.8	BDL
		09.04.2019	9.3	30	8.67	10	4.1	15.5	2.0×10 ³	<1.8	BDL
		16.04.2019	8.9	24	8.64	10	3.1	9.0	2.0×10 ³	<1.8	BDL
		23.04.2019	7.2	30	8.70	10	3.46	16.2	<1.8	<1.8	BDL
		01.05.2019	9.8	31	8.77	10	3.28	8.2	<1.8	<1.8	BDL
		07.05.2019	7.8	29	8.39	10	5.09	22.4	2.0×10 ³	<1.8	-
2.	R. Ganga at u/s of Barrage, Kanpur	19.03.2019	7.1	24	8.01	15	3.89	15.8	2.2×10 ⁴	2.0×10 ³	BDL
		27.03.2019	8.2	23	8.66	15	5.0	15.8	1.3×10 ⁴	2.0×10 ³	BDL
		02.04.2019	7.7	28	8.36	15	3.75	14.9	1.3×10 ⁴	4.5×10 ³	BDL
		09.04.2019	10.0	30	8.81	10	3.0	12.7	4.5×10 ³	2.0×10 ³	BDL
		16.04.2019	7.0	24	8.40	10	3.4	9.5	7.8×10 ³	2.0×10 ³	BDL
		23.04.2019	6.9	30	8.64	10	2.29	14.2	4.5×10 ³	<1.8	BDL
		01.05.2019	7.8	31	9.04	10	1.86	7.3	<1.8	<1.8	BDL
		07.05.2019	7.9	28	8.19	10	2.88	14.7	2.3×10 ⁴	2.0×10 ³	-
3.	R. Ganga at d/s of Barrage, Kanpur	19.03.2019	8.5	24	8.11	15	2.61	10.8	4.5×10 ³	<1.8	BDL
		27.03.2019	7.9	23	8.62	15	1.07	7.90	2.7×10 ⁴	2.0×10 ³	BDL
		02.04.2019	7.2	28	8.19	10	3.45	13.1	4.5×10 ³	2.0×10 ³	BDL
		09.04.2019	8.3	30	8.59	10	3.1	13.6	2.0×10 ³	<1.8	BDL
		16.04.2019	7.5	24	8.47	10	2.7	9.9	7.8×10 ³	2.0×10 ³	BDL
		23.04.2019	7.6	31	8.60	10	2.72	13.8	<1.8	<1.8	BDL
		01.05.2019	7.1	31	8.77	10	2.52	11.1	<1.8	<1.8	BDL

		07.05.2019	8.2	28	8.46	10	2.93	12.4	7.8×10 ³	<1.8	-
4.	R. Ganga u/s of Shuklaganj, Kanpur	19.03.2019	9.8	25	8.31	15	3.07	15.5	2.0×10 ³	<1.8	BDL
		27.03.2019	9.8	24	8.83	15	1.1	11.8	1.3×10 ⁴	7.8×10³	BDL
		02.04.2019	8.5	29	8.31	10	3.23	13.0	1.3×10 ⁴	7.8×10³	BDL
		09.04.2019	8.4	30	8.55	10	2.2	10.4	3.3×10 ⁴	1.3×10⁴	BDL
		16.04.2019	8.4	24	8.54	10	2.6	6.3	3.3×10 ⁴	2.3×10⁴	BDL
		23.04.2019	8.1	31	8.73	10	2.76	14.4	<1.8	<1.8	BDL
		01.05.2019	7.6	32	8.82	10	1.10	6.1	2.0×10 ³	<1.8	BDL
		07.05.2019	8.0	29	8.65	10	4.63	20.1	4.5×10 ³	2.0×10³	-
5.	R. Ganga at d/s of Shuklaganj, Kanpur	19.03.2019	9.7	25	8.45	15	2.09	12.3	7.8×10 ³	4.5×10³	BDL
		27.03.2019	9.4	24	8.80	15	2.5	11.6	2.810 ⁵	1.1×10⁵	BDL
		02.04.2019	8.1	29	8.42	15	6.68	28.3	<1.8	<1.8	BDL
		09.04.2019	8.8	30	8.54	10	2.9	9.65	7.9×10 ⁴	4.9×10⁴	BDL
		16.04.2019	7.2	25	8.51	10	3.1	6.9	1.3×10 ⁴	4.5×10³	BDL
		23.04.2019	7.8	31	8.74	10	3.28	13.6	3.3×10 ⁴	1.7×10⁴	BDL
		01.05.2019	7.2	32	8.94	10	2.4	9.0	2.3×10 ⁴	1.3×10⁴	BDL
		07.05.2019	7.5	29	8.35	10	4.32	15.6	2.0×10 ³	<1.8	-
6.	R. Ganga b/c R. Pandur, Fatehpur	07.05.2019	8.6	29	8.81	10	5.05	21.0	7.8×10 ³	4.5×10³	-
		27.03.2019	6.9	26	8.59	15	6.4	16.2	2.3×10 ⁴	2.0×10³	BDL
		02.04.2019	7.0	27	8.32	10	6.17	25.3	1.7×10 ⁴	1.3×10⁴	BDL
		09.04.2019	6.3	29	8.23	10	11.3	28.7	2.3×10 ⁴	1.3×10⁴	BDL
		16.04.2019	5.1	27	7.97	10	14.1	38.4	2.3×10 ⁴	1.3×10⁴	BDL
		23.04.2019	5.0	30	7.44	10	9.4	24.2	4.9×10 ⁴	1.7×10⁴	BDL
		01.05.2019	7.8	30	7.38	10	9.19	26.8	2.3×10 ⁴	1.3×10⁴	BDL
		07.05.2019	8.6	29	8.68	10	10.3	39.9	4.5×10 ³	2.0×10³	-
7.	R. Pandur, Fatehpur	19.03.2019	4.8	-	8.13	15	4.73	21.4	1.7×10 ⁵	1.1×10⁵	BDL
		27.03.2019	1.8	26.5	7.61	10	22.8	45.9	7.9×10 ⁵	3.3×10⁵	BDL

		02.04.2019	2.0	28	7.62	10	3.62	12.5	1.3×10 ⁴	4.5×10³	BDL
		09.04.2019	1.8	29	7.72	15	3.6	16	2.3×10 ⁴	7.8×10³	BDL
		16.04.2019	3.0	27	7.90	30	11.2	48.2	7.8×10 ³	4.5×10³	BDL
		23.04.2019	7.6	31	8.16	30	31.5	55.7	1.1×10 ⁴	4.0×10³	BDL
		01.05.2019	8.0	31	7.99	35	16.8	49.2	2.3×10 ⁴	1.3×10⁴	BDL
		07.05.2019	8.5	30	8.69	35	22.2	63.3	<1.8	<1.8	-
8.	R. Ganga a/c R. Pandu	27.03.2019	4.7	27	8.47	15	2.18	12.4	7.8×10 ³	2.0×10³	BDL
		02.04.2019	4.5	27	8.18	10	5.25	22.9	2.3×10 ⁴	1.3×10⁴	BDL
		09.04.2019	5.0	29	8.51	10	5.6	19.9	4.5×10 ³	2.0×10³	BDL
		16.04.2019	3.5	27	8.26	10	7.3	15.3	2.7×10 ⁴	1.3×10⁴	BDL
		23.04.2019	5.6	30	8.52	10	19.2	24.9	4.5×10 ³	2.0×10³	BDL
		01.05.2019	8.0	30	8.53	10	4.55	13.5	2.0×10 ³	2.0×10³	BDL
		07.05.2019	9.5	28	8.76	15	5.96	22.5	<1.8	<1.8	-