

GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE

**LOK SABHA**  
**UNSTARRED QUESTION NO. 960**  
TO BE ANSWERED ON 29.07.2024

**Pollution in Yamuna River**

960. SHRI RAMVIR SINGH BIDHURI:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE be pleased to state:

- (a) whether the water of the river Yamuna has polluted further in Delhi and the Biological Oxygen Demand i.e. BOD level has reached up to 85; and
- (b) whether the Government has sought report from the Government of Delhi to tackle the said dangerous level of pollution since the same has also become poisonous for the aquatic life therein leading to death of lakhs of fish?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE  
(SHRI KIRTI VARDHAN SINGH)

(a)

Water quality of river Yamuna is monitored under National Water Quality Monitoring Program (NWMP) in association with the State Pollution Control Boards (SPCBs) / Pollution Control Committees (PCCs) of respective States/ UT including Delhi PCC in Delhi. The details of the Polluted River Stretch (PRS) on river Yamuna identified in 2018 and 2022 in Delhi are given below:

Year	Data period	Identified polluted river stretch	BOD value	Priority Class
2018	2016 & 2017	Wazirabad to Asgarpur	80.0	I
2022	2019 & 2021	Palla to Okhla D/s	83.0	I

Water quality data of river Yamuna monitored under NWMP in Delhi during 2023 is provided at **Annexure I**. During the current assessment under NWMP by DPCC, a concentration of 56 mg/L of BOD was observed during 2023 at Asgarpur (after confluence of Shahdara drain & Tughlakabad drain) which indicates a reduction in BOD as compared to that observed in 2018 and 2022.

(b)

Steps taken by the Government for prevention and control of pollution in river Yamuna are detailed below:

- i. The government of India has formulated river action plans to restore water quality of rivers. The river action plans have been taken up on rivers by Govt. of India through State Govt. to intercept, divert and treatment of municipal wastewater from urban centers which is not been able to adequately handle the complete sewage treatment.
- ii. The Central & State Pollution Control Boards are implementing the provisions of both - The Water (Prevention and Control of Pollution) Act, 1974 and the Environment (Protection) Act, 1986 to prevent and control pollution of aquatic resources.
- iii. General standards for discharge of Environmental Pollutants – Effluents (Part A) and waste water generation discharge standards (Part B) notified under Schedule-VI of Environment (Protection) Rules, 1986.
- iv. Regulation of industrial Pollution is implemented through various provisions of Water (Prevention and Control of Pollution) Act, 1974 under the consent mechanism by the respective SPCBs / PCCs.
- v. CPCB has directed all 17 categories of high pollution potential industries, Grossly Polluting Industries of Ganga basin and common waste treatment facilities to install Online Continuous Effluent/ Emission Monitoring Systems (OCEMS) for strengthening monitoring mechanism and effective compliance through self-regulatory mechanism and constant vigil on pollution levels. Real-time values of environmental pollutants of trade effluent and emissions generated through OCEMS are transmitted online to CPCB and concerned SPCB/PCC on 24x7 basis. Central software processes the data and in case of value of pollutant parameter exceeds prescribed environmental norms, an automatic SMS alert is generated and sent to industrial unit, SPCB and CPCB, so that corrective measures can be taken by the industry immediately and appropriate action can be taken by concerned SPCB/PCC/CPCB.
- vi. CPCB is also periodically issuing directions to all the concerned departments in the States for management of sewage and waste water in accordance with the provisions notified under the E (P) Rules, 1986 and for ensuring proper operation of existing STPs, CETPs and industrial pollution control, under Section 18 (1)(b) of the Water (Prevention and Control of Pollution) Act, 1974 as well as under Section 5 of the Environment (Protection) Act, 1986. The directions/ guidelines issued by CPCB in recent years, for prevention & control of pollution in river Yamuna are detailed below:

S.No	Date of Direction	Direction Issued	To
1	19.01.2023	To enlist technologies to ensure Zero Liquid Discharge (ZLD) in Molasses based Distilleries.	All SPCBs/ PCCs.

2	02.01.2023	Augmentation and upgradation of CETPs and display of OCEMS data by CETPs located in Delhi and Haryana.	DPCC and HSPCB
3	02.01.2023	Industrial Ammoniacal discharge into River Yamuna.	DPCC and HSPCB
4	02.03.2022	Non-compliance status of M/s CETP, Mangolpuri Industrial Area, Phase-I, Delhi-110083.	DPCC
5	23.02.2022	Non-compliance by M/s CETP, Lawrence Road Industrial Area, ring Road, Delhi-110035.	DPCC
6	23.12.2021	Regarding Industrial Ammonical discharge in to river Yamuna.	HSPCB and DPCC
7	06.12.2021	In the matter of control of pollution in river Yamuna.	UPPCB, DPCC and HSPCB
8	24.09.2021	For ensuring 100 % collection and treatment of domestic and industrial wastewaters generated in the catchment of Shahdara drain	DPCC
9	11.03.2021	For installation & connectivity of Online continuous effluent monitoring systems (OCEMS) by GPIs.	HSPCB, DPCC and UPPCB
10	15.02.2021	Wider use of Mobile based application on STP monitoring.	All SPCB/ PCCs.

## Water Quality data of River Yamuna monitored under NWMP in Delhi during 2023

STN Code	Name of Monitoring Location	Year	Dissolved Oxygen (mg/L)		pH		BOD (mg/L)		Fecal Coliform (MPN/100ml)		Total Coliform (MPN/100ml)	
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
<b>Primary Water Quality Criteria for Outdoor Bathing</b>			<b>&gt; 5 mg/L</b>		<b>6.5-8.5</b>		<b>&lt; 3 mg/L</b>		<b>&lt; 2500 MPN/100 ML</b>		<b>-</b>	
1120	River Yamuna At Palla	2023	6.3	11.3	7.1	7.5	1.0	3.0	180	560	-	-
5098	River Yamuna At Wazirabad	2023	4.0	8.2	7.2	7.5	4.0	9.8	200	5500	-	-
1121	River Yamuna At Nizamuddin	2023	0.3	2.5	7.1	7.5	26.0	48.0	9300	31000	-	-
5099	River Yamuna At Isbt Bridge	2023	0.3	3.0	7.1	7.5	22.0	46.0	5500	10000 0	17000	17000
5100	River Yamuna At Ito Bridge	2023	0.3	4.1	7.2	7.5	18.0	38.0	6100	81000	-	-
1375	River Yamuna At Okhla Barrage (D/S)	2023	0.3	1.8	7.1	8.0	30.0	50.0	12000 0	38000 0	-	-
1812	River Yamuna At Asgarpur (After Confluence Of Shahdara Drain And Tughlakabad Drain)	2023	0.3	1.1	6.8	7.7	35.0	56.0	17000 0	47000 0	-	-

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