GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. 4279
ANSWERED ON 19.03.2020

DISCHARGE OF INDUSTRIAL WASTE INTO YAMUNA RIVER

4279. SHRI S. JAGATHRAKSHAKAN

Will the Minister of JAL SHAKTI be pleased to state:

(a) whether the ammonia level in Yamuna river has increased to 1.8/2 PPM against the prescribed limit of 0.5 PPM due to discharge of industrial waste into the river;
(b) if so, the details thereof; and
(c) the steps taken by the Government in this regard?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI & SOCIAL JUSTICE AND EMPOWERMENT

(SHRI RATTAN LAL KATARIA)

(a) & (b) Based on the water quality monitoring including that for ammonia levels in river Yamuna at Delhi carried out by Central Pollution Control Board (CPCB) and Delhi Pollution Control Committee (DPCC), it has been observed that ammonia levels has increased to 1.8 ppm and ranges from Below Detection Limit (BDL) to 38.8 ppm for the year 2019. Details are **Annexed**.

Increase in ammonia levels in river Yamuna is due to discharge of untreated wastewater and industrial effluents on account of inadequate sewage and industrial wastewater treatment facilities and inefficient utilisation of existing facilities.

(c) Various steps have been taken towards abatement of pollution in River Yamuna through interventions in form of augmentation of sewerage infrastructure, monitoring of industrial effluents etc. Under Namami Gange programme of Government of India, **24 projects** costing **Rs.4609 Crore** have been sanctioned in State of Himachal Pradesh, Haryana, Delhi and Uttar Pradesh to abate pollution load into river Yamuna. With these projects, 1310.6 Million Litres per Day (MLD) Sewage Treatment Plant (STP) capacity will be created along with rehabilitation of 528.18 MLD STP. In Delhi, these include 13 projects at various stages of implementation costing **Rs.2419 Crore** aimed at creation of 1384.5 MLD sewage treatment capacity (including 386 MLD STP capacity through upgradation & rehabilitation). Two projects have been completed in Sonipat and Panipat creating STP capacity of total 70 MLD and rehabilitation of 75 MLD STPs.

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In addition, directions have been issued by National Mission for Clean Ganga (NMCG) dated 16.8.2018 under EP Act'1986 to Delhi Pollution Control Committee for optimal utilisation of CETPs in Delhi and also reutilisation of treated wastewater. Further similar directions have also been issued by NMCG dated 31.07.2019 to Uttar Pradesh Pollution Control Board (UPPCB) for proper operation of STPs in Gautam Budh Nagar (Noida & Greater Noida) so as to prevent discharge of untreated wastewater into River Yamuna. Directions have been issued by CPCB to Haryana State Pollution Control Board under relevant sections of Water (Prevention & Control of Pollution) Act, 1974 vide letter dated 04.12.2017 for preventing mixing of untreated waste water with fresh water in drain no 6 and 8, operation of Effluent Treatment Plants (ETPs) installed in industries in Sonipat and Panipat as well as Common Effluent Treatment Plants (CETP) at Kundli, Sonepat and Panipat as per environmental laws so as to prevent discharge of untreated effluents into drain no 8/ River Yamuna. Further it has been directed that all the wastewater shall be conveyed to STPs and CETPs so that only treated wastewater is discharged into drains.

Principal Committee of Hon'ble NGT under the chairmanship of Secretary, Ministry of Jal Shakti is monitoring implementation of directions dated 13.01.2015 of Hon'ble NGT in O.A. No. of 06 of 2012 in the matter of Manoj Mishra Vs Union of India & Ors. The Monitoring Committee of Hon'ble NGT comprising of Ms. Shailja Chandra former Chief Secretary, Delhi and Mr. B. S. Sajwan former Principal Chief Conservator of Forests and former Expert Member of NGT is also monitoring the progress in this matter.

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ANNEXURE – I

Annexure referred to in reply to part (a) & (b) of Unstarred Question No. 4279 to be answered in Lok Sabha on 19.03.2020 regarding "Discharge of Industrial Waste into Yamuna River".

Table -1: Water Quality of river Yamuna in Delhi during the year 2019 w.r.t core parameters and ammonia levels

station code	Sampling Date	month	Location	State	Temperature (^{0} C)	Dissolved Oxygen (PPM)	pH	Conductivity (µmho-cm)	BOD (PPM)	Fecal Coliform (MPN-100ML)	Total Coliform (MPN-100ML)	Ammonia - N (PPM)
1120	1/17/2019	Jan	YAMUNA AT PALLA, DELHI	DELHI	16	8.9	8.1	618	4	20	490	1.8
	2/1/2019	Feb			19.5	13.2	8.8	515	2.9	40	93	0.9
	3/1/2019	Mar			23.3	10.08	8.1	531	1.8	940	2200	0.6
	4/1/2019	Apr			29.4	8.2	8.7	440	8.8	3300	4900	0.8
	5/1/2019	May			32.0	9.2	8.5	280	4.8	2100	4600	BDL
	6/1/2019	June			31.1	9.2	8.6	314	2.5	490	790	0.1
	7/7/2019	July			33.0	9.2	8.9	323	7.2	93	220	0.2
	8/8/2019	August			33.0	6.8	7.3	288	3.8	4100	35000	BDL
	9/4/2019	September			31.8	6.9	7.3	232	2	2100	23000	0.4
	10/10/2019	October			32	11.4	8.2	446	2.7	3300	4900	0.2
	11/12/2019	November			22	8.8	7.8	592	1.7	230	330	0.3
	12/10/2019	December			21.5	10.6	7.7	593	2.2	170	330	0.7
1121	1/18/2019	Jan	YAMUNA AT NIZAMUDDIN, DELHI	DELHI	14.7	2.4	7.2	1440	26	4000000	21000000	19.9
	2/1/2019	Feb			16.3	1.4	7.3	1550	35	3500000	3500000	16.2
	3/1/2019	March			19.9	1.86	7.1	1140	21	5400000	9200000	11.2
	4/1/2019	April			28	1	7.2	1140	18	3300000	7900000	13.6
	5/1/2019	May			26.0	0.9	7.2	875	15	2800000	2800000	7.4
	6/1/2019	June			27.4	0.9	7.3	1250	16	9200000	9200000	11.7
	7/7/2019	July			32.5	0.8	7.2	1050	19	5400000	5400000	12.7
	8/8/2019	August			30.8	1.0	7.1	769	33	3500000	3500000	7.8
	9/4/2019	September			28.4	0.9	7.2	589	7.3	490000	490000	4
	10/10/2019	October			25	BDL	7.2	999	16	2400000	2400000	12.2
	11/12/2019	November			25.5	BDL	6.9	999	13	7900000	24000000	10.5
	12/10/2019	December			17.4	ND	7.1	1116	14	7900000	7900000	14.7
1812	1/18/2019	Jan	YAMUNA AT OKHLA AFTER MEETING OF SHAHDARA DRAIN, DELHI	DELHI	18.3	3.3	7.2	1320	30	3500000	9200000	20.4
	2/1/2019	Feb			18.5	0.8	7.2	1210	26	35000000	35000000	14.1
	3/1/2019	March			22.8	2.21	7.2	966	19	2300000	4600000	11.3
	4/1/2019	April			30	1.44	7.3	1180	22	5400000	5400000	17.9
	5/1/2019	May			27.9	1.59	7.7	840	15	220000	490000	7.9
	6/1/2019	June			32.2	1.56	7.4	1170	16	680000	3200000	17.7
	7/7/2019	July			33.2		7.4	1430	29	2700000	2700000	17.5
	8/8/2019	August			33		7.3	872	23	490000	490000	10.2
	9/4/2019	September				0.9	7	532	8.4	680000	1700000	5.3
	10/10/2019	October			27	0.1	7.2	943	16	3500000	3500000	12
	11/12/2019	November			26	BDL	7.1	1130	21	7000000	11000000	17.6
	12/10/2019	December			18.5	ND	7.2	1741	63	49000000	49000000	38.8

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