

GOVERNMENT OF INDIA
MINISTRY OF WATER RESOURCES,
RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. 736
ANSWERED ON 21.07.2016

POLLUTION IN YAMUNA

736. SHRI BADRUDDIN AJMAL

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION be pleased to state:

- (a) the present pollution levels in the river Yamuna at different stretches/places;
- (b) whether the pollution levels in the river have increased recently;
- (c) if so, the details of the schemes/ projects being implemented for cleaning of the Yamuna river;
- (d) the quantum of funds allocated for the purpose along with their utilisation, so far; and
- (e) the time by which the river is likely to be made pollution free?

ANSWER

THE MINISTER FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(SUSHRI UMA BHARTI)

- (a) & (b) The water quality of river Yamuna is monitored from origin to confluence with River Ganga at Allahabad. The assessment of water quality data indicates that River Yamuna is not meeting the water quality criteria downstream of confluence with drains in Delhi and in downstream reaches along towns situated on the bank of the river. The organic pollution load measured as Biochemical Oxygen Demand (BOD) ranges between 1 mg/l to 97 mg/l against the water quality criteria as < of 3 mg/l. The water quality data collected during 2015 indicates a fluctuating trend as compared to the data collected during 2014 in terms of DO, BOD and Nitrates. **(ANNEXURE –I)**.
- (c) to (e) Cleaning of Rivers is an ongoing process and this Ministry is supplementing the efforts of the States for pollution abatement of river Yamuna, a tributary of River Ganga, by providing financial assistance to UP, Haryana and Delhi State Government in phased manner since 1993 under the Yamuna Action Plan (YAP). Under Yamuna action plan — III (YAP-III), the old sewage treatment plants and connected sewer lines in Okhla, Kondli & Rithala Drainage zone are proposed to be rehabilitated at a cost of Rs.1656 crore through JICA funding. There are total 9 proposals, out of which sanction has been accorded for 5 proposals costing Rs.665 cr. related to rehabilitation of old

STPs at Kondli & Rithala and their connected sewerage infrastructure to meet the revised CPCB guidelines. Delhi Jal Board (GNCTD) is the implementing agency.

Other steps for pollution abatement of river Yamuna funded by Government of India under Namami Gange outside Delhi, include two sanctioned projects, in Sonapat and Panipat towns at total cost of Rs. 217.87 crore. The main project components include construction of new STPs of 70 mld capacity and rehabilitation of existing STPs of 75 mld capacity. The works are being implemented by PHED, Haryana. Till date an amount of Rs. 125.66 crore has been released out of total GoI's share of Rs. 152.51 crore by the Ministry towards implementation of above two projects.

As informed by Delhi Jal Board (DJB), other measures taken by DJB regarding pollution abatement of Yamuna in Delhi are:

Interceptor sewer project - Under the scheme, waste water flows coming from the city sub drains are to be trapped before out falling into the major drains i.e. Najafgarh, Supplementary & Shandara drains for treatment at the plants. Current progress of the projects is 85% and it is expected to be completed by next year.

Apart from above, there are other sewerage projects which are to be implemented on priority as per directions of Hon'ble NGT under the plan "Maily Se Nirmal Yamuna Rejuvenation Plan 2017" to abate pollution in River Yamuna. These projects are related to construction of 15 decentralized WWTPs, 3 SPS & allied sewer works and rehabilitation of old peripheral sewer in the command of Najafgarh & Supplementary drains.

In addition to above Delhi Jal Board implementing the schemes of rehabilitation of existing old sewer lines, WWTPs and Sewage Pumping Stations to make the sewerage system more efficient.

A Sewerage Master Plan (SMP-2031) has been finalized by the Board and is being implemented in phases to provide sewerage facilities in unsewered areas at an estimated cost of Rs.20,000 crore.

In the current financial year the projects related to providing new sewer lines and improving the old sewerage infrastructure in DJB shall be funded from the allocation of Rs.916 crore made by the Delhi Govt.

TABLE - 1: WATER QUALITY OF RIVER YAMUNA																		
STATION CODE	LOCATIONS	STATE	TEMPERATURE °C		DISSOLVED OXYGEN		pH		CONDUCTIVITY (µmhos/cm)		B.O.D. (mg/l)		NITRATE-N+ NITRITE-N (mg/l)		FECAL COLIFORM (MPN/100ml)		TOTAL COLIFORM (MPN/100ml)	
			Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
WATER QUALITY CRITERIA					> 4.0 mg/l		6.5-8.5				< 3 mg/l				< 2500 MPN/100ml		< 5000 MPN/100ml	
1492	YAMUNA AT YAMUNOTRI, UTTAR PRADESH	UTTARAKHAND											0	0	31	31	46	46
1493	YAMUNA AT HANUMANCHATTI, UTTAR PRADESH	UTTARAKHAND											0	0				
1494	YAMUNA AT U/S OF LAKHWAR DAM, U.P	UTTRAKHA	19	19	8.4	8.6	7.2	8.1	170	220	1	1	0	1.1				
1490	YAMUNA AT U/S DAK PATTHAR, UTTAR PARDESH	UTTRAKHA	18	20	8.2	8.4	7.4	8.2	176	230	1.2	1.6	0	1.2	7800	54000	30	160000
1490	YAMUNA AT U/S DAK PATTHAR, UTTAR PARDESH	UTTAR PRADESH					7.5	8.6	440	1515	9	24	0	0.2	35000	35000	160000	160000
1553	RIVER YAMUNA , U/S PAONTA SAHIB, H.P	HIMACHAL PRADESH	12	28	6.2	8.8	7.2	8.6	208	810	0.8	1.4	0.1	0.6	7	13	14	26
1554	RIVER YAMUNA , D/S PAONTA SAHIB, H.P	HIMACHAL PRADESH	14	29	5.8	8.6	7.1	8.7	217	842	1.2	1.6	0.1	0.7	8	12	16	25
1117	YAMUNA AT HATHNIKU HARYANA	HARYANA					7.2	7.8	168	390	1	2	0	0.7	24000	24000	54000	54000
1496	YAMUNA AT KALANAUR, YAMUNA NAGAR, HARYANA	HARYANA					7.3	8	198	392	1	4	0	0	330	330	1100	1100
1119	YAMUNA AT SONEPAT, HARYANA	HARYANA					7.3	8.1	221	1020	2	11	0	0.2	45	170	78	330

1120	YAMUNA AT WAZIRABAD, DELHI	DELHI			5.5	15.5	7.4	8.8	280	939	1	8	0	0.4			2200	17000
1121	YAMUNA AT NIZAMUDDIN, DELHI	DELHI			0.9	1.5	7.1	8.1	920	1950	12	40	0	1.3			2400000	16000000
1375	YAMUNA AT OKHLA BRIDGE (INLET OF AGRA CANAL), DELHI	DELHI					7.4	8.1	620	1870	10	28	0	0.1				
1812	RIVER YAMUNA AT OKHLA AFTER MEETING OF SHAHDARA DRAIN, DELHI	DELHI			1	2.4	7.5	8	1000	1850	19	97	0	0			2400000	9200000
2495	YAMUNA AT KESIGHAT, VRIAVAN	UTTAR PRADESH	16	33	3.8	6.2	7.1	7.6	115	1920	7.4	10.8	0	0	27000	43000	42000	79000
1123	YAMUNA AT MATHURA U/S , U.P.	UTTAR PRADESH					7.5	8.8	492	1588	7	14	0	2.7	4500	4500	7800	7800
2494	YAMUNA AT VISHRAMGHAT, MATHURA	UTTAR PRADESH	16	38	3.4	5.6	7.3	7.7	108	2210	7.8	11.2	0	0	44000	84000	70000	180000
1124	YAMUNA AT MATHURA D/S , U.P.	UTTAR PRADESH					7.6	8.8	460	1620	7	17	0	1.7	7800	7800	13000	13000
1125	YAMUNA AT AGRA U/S, U.P.	UTTAR PRADESH					7.6	8.7	605	1574	4	17	0	2.9	11000	11000	14000	14000
1126	YAMUNA AT D/S OF AGRA, U.P.	UTTAR PRADESH					7.8	9.2	694	1700	7	14	0	1.4	11000	11000	17000	17000
2493	RIVER YAMUNA AT SHAHPUR	UTTAR PRADESH	17	30	4	6.4	7.2	7.7	114	1480	6.4	9.2	0	0	21000	34000	37000	59000
1498	YAMUNA AT BATESWAR, U.P	UTTAR PRADESH					7.6	8.5	630	2100	4	30	0	1.4	1700	1700	3300	3300
1127	YAMUNA AT ETAWAH, U.P.	UTTAR PRADESH					7.6	8.7	370	2020	1	35	0	1.5	3300	3300	3900	3900
1499	YAMUNA AT JUHIKA B/C WITH CHANBAL, ETAWAH, U.P	UTTAR PRADESH					7.9	8.7	586	670	3	6	0	0				
1069	YAMUNA AT ALLAHABAD D/S (BALUA GHAT), U.P	UTTAR PRADESH	20.4	30.8	7.6	8.8	7.5	8.5	456	576	2.1	3.4	0	1.6	2100	6800	4600	11000
