

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**STARRED QUESTION NO. †\*237**  
ANSWERED ON 01.12.2016

**CLEANING OF YAMUNA RIVER**

†\*237.           SHRI KAUSHAL KISHORE

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

- (a) the sources of water pollution in the Yamuna river along with the details of quality of its water at different places in the country;
- (b) the details of ongoing schemes to make the Yamuna river pollution free and the success achieved as a result of the same along with the funds spent in this regard during the last three years and the current year; and
- (c) whether the immersion of idols, flowers and pooja material into the rivers including Yamuna increase pollution level, and if so, the details of the steps taken to tackle the situation along with other means suggested for disposal of such material?

**ANSWER**

THE MINISTER FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION

(SUSHRI UMA BHARTI)

- (a)     To (c) A statement is laid on the Table of the House.

**Statement referred to in reply to parts (a) to (c) of Lok Sabha Starred Question No.237 (Priority) to be answered on Thursday, the 1<sup>st</sup> December, 2016 on “Cleaning of Yamuna River” raised by SHRI KAUSHAL KISHORE**

- (a) Discharge of sewage and industrial effluents and over-exploitation of fresh water from the river are the main reasons of deterioration of Yamuna river water quality. Central Pollution Control Board (CPCB) monitors the water of river Yamuna at various locations from Yamunotri to Allahabad. The water quality status of river Yamuna at various locations is annexed as Annexure-I.
- (b) Conservation of rivers is an ongoing and collective effort of the Central and State Governments. It is the responsibility of State Governments/concerned local bodies to set up proper facility for collection and treatment of sewage being generated and ensure that the untreated sewage does not fall into the rivers, thereby polluting them. The Central Government is supplementing the efforts of the State Governments in addressing the problem of pollution of river Yamuna by providing financial assistance to U.P., Delhi and Haryana under Yamuna Action Plan (YAP). The total expenditure of Rs.1514.43 crore (including State share) has been incurred on schemes pertaining to sewerage/interception and diversion of drains, rehabilitation/upgradation of existing sewage treatment plants (STPs) and construction of new STPs, low-cost sanitation/community toilet complexes, crematoria, etc. under YAP Phase I and II in the 3 States. Sewage treatment capacity of 942.25 million litres per day has been created under YAP so far.

Further, YAP Phase III project for Delhi has been approved with an estimated cost of Rs.1656 crore. Under the project, Delhi Jal Board (DJB) is implementing rehabilitation of existing trunk sewers and rising mains, upgradation/modernization of existing STPs.

Other than YAP projects, 2 projects are under implementation in Sonapat and Panipat towns at a total cost of Rs.217.87 crore for pollution abatement of river Yamuna. An amount of Rs.125.66 crore has been released by the Ministry towards implementation of above 2 projects. Funds released in last 3 years and current financial year is given in the table below:

<b>Year</b>	<b>Haryana</b>	<b>Delhi</b>
2013-2014	Rs.10.00 crore	-
2014-2015	Rs.10.46 crore	-
2015-2016	Rs.30.00 crore	Rs.4.96 crore
2016-2017 (till October, 2016)	Rs.37.00 crore	-
<b>Total:</b>	<b>Rs.87.46 crore</b>	<b>Rs.4.96 crore</b>

(c) Yes, Madam. Immersion of idols during festival season does increase pollution in the rivers. CPCB has developed guidelines for idol immersion. The guidelines include making of idols from natural materials, encouraging the use of traditional clay in place of baked clay and plaster of Paris, use of water soluble and non-toxic natural dyes for painting of idol, removal of worship materials like flowers, clothes, etc. before immersion for recycling or composting. Educating public through mass awareness programmes is also important to reduce pollution on account of immersion of idols and other puja materials in the river.

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Annexure referred to in reply of Lok Sabha starred Question No.237 due for reply on 01.12.2016

## WATER QUALITY OF RIVER YAMUNA

STATION CODE	LOCATIONS	STATE	TEMP. °C		D.O. (mg/l)		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
					> 4 mg/l		6.5-8.5				< 3 mg/l				< 2500 MPN/100ml		< 5000 MPN/100ml	
1492	Yamuna At Yamunotri	Uttarakhand													31	31	46	46
1494	Yamuna At U/S Of Lakhwar Dam	Uttarakhand	19	19	8.4	8.4	7.2	8.1	170	182	0	1	1.1	1.1	54000	54000	0	160000
1490	Yamuna At U/S DakPatthar	Uttarakhand	20	20	8.2	8.2	7.4	8.2	176	190	0	1.6			7800	7800	30	11000
1553	Yamuna, U/S Paonta Sahib	Himachal	16	28	6.2	8.8	7.2	8.6	208	810	0.8	1.4	0.1	0.6	7	13	17	26
1554	Yamuna, D/S Paonta Sahib	Himachal	17	29	5.8	8.6	7.1	8.7	217	842	1.2	1.6	0.1	0.5	9	12	18	25
1117	Yamuna At Hathnikund	Haryana					7.2	7.4	168	284	1	2	0	0.7	24000	24000	54000	54000
1496	Yamuna At Kalanaur,	Haryana					7.4	8	198	235	1	4	0	0	330	330	1100	1100
1119	Yamuna At Sonapat	Haryana					7.3	8.1	221	526	2	11	0	0.2	170	170	330	330
1120	Yamuna At Wazirabad	Delhi			5.5	15.5	7.4	8.8	280	605	1	8	0.1	0.4			780	35000
1121	Yamuna At Nizamuddin	Delhi			0.1	2.4	7.1	8.1	585	1950	4	40	1.3	1.3			68000	17000000
1375	Yamuna At Okhla Bridge (Inlet Of Agra Canal)	Delhi			0.3	2.6	7.2	8.1	620	1870	7	28	0.1	3.1			150000	5400000
1812	Yamuna At Okhla After Meeting Of Shahdara Drain	Delhi			0	2.4	7.2	8.1	1000	1850	13	97					940000	16000000
1497	Yamuna At Mazawali	Uttar Pradesh					7.5	8.6	440	665	9	12	0.2	0.2	35000	35000	160000	160000
2495	Yamuna At Kesighat, Vrindavan	Uttar Pradesh	24	33	4	6.2	7.1	7.5	147	1440	7.8	9.6			35000	38000	48000	72000
1123	Yamuna At Mathura U/S	Uttar Pradesh					7.5	8.8	492	1242	7	10	0.6	2.7	4500	4500	7800	7800
2494	Yamuna At Vishramghat, Mathura	Uttar Pradesh	28	38	4.2	5.6	7.5	7.6	1160	2150	8.4	11			44000	70000	70000	120000
1124	Yamuna At Mathura D/S	Uttar Pradesh					7.6	8.8	460	1158	7	8	0.7	1.7	7800	7800	13000	13000
1125	Yamuna At Agra U/S, U.P.	Uttar Pradesh					7.6	8.7	605	1286	4	9	0.7	1.3	11000	11000	14000	14000
1126	Yamuna At D/S Of Agra,	Uttar Pradesh					7.8	9.2	694	1343	7	14	0.5	0.6	11000	11000	17000	17000
2493	Yamuna At Shahpur	Uttar Pradesh	27	30	5.4	6.4	7.4	7.6	1180	1430	6.4	8.4			28000	31000	42000	54000
1127	Yamuna At Etawah	Uttar Pradesh					7.9	8.7	370	685	1	3	0	0				
1069	Yamuna At Allahabad D/S	Uttar Pradesh	22	29	7.6	8.4	7.7	8.3	482	553	2.2	3.4	1	1.6	2100	12000	4600	17000