

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI

DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION

RAJYA SABHA

UNSTARRED QUESTION NO.728

ANSWERED ON 02.12.2024

PROGRESS OF THE NAMAMI GANGA PROJECT

728. SHRI P. P. SUNEER

Will the Minister of **JAL SHAKTI** be pleased to state:

- (a) details of the conception of the Namami Gange Project and details of the work done under the project, expenditure incurred on various active and completed projects;
- (b) the estimated sewage generated by towns along the Ganga river, the difference in sewage quantity reaching the Ganga river after five years of the project;
- (c) the existing data for TDS and pH levels for the Ganga river water for major cities along the river like Haridwar, Kanpur, Allahabad, Varanasi and Patna, whether the water is potable if consumed from the river; and
- (d) the details of chemicals found in Ganga water along cities?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI

(SHRI RAJ BHUSHAN CHOUDHARY)

(a) A consortium of seven Indian Institutes of Technology (IITs) developed a holistic Ganga River Basin Management Plan (GRBMP), first presented in 2014-15. This plan consolidated knowledge on basin challenges and interventions for rejuvenation. It envisioned a rejuvenated Ganga, defined by "Nirmal Dhara" (unpolluted flow), "Aviral Dhara" (continuous flow), and the preservation of ecological and geological integrity. Based on scientific studies and past intervention analyses, the Namami Gange Programme was conceptualized as an integrated program for the conservation of the Ganga and its tributaries. Approved in May 2015 as a Central Sector Scheme, the mission adopts a basin-based approach with a diverse and holistic set of interventions for cleaning and rejuvenation of river Ganga and its tributaries such as wastewater treatment, solid waste management, riverfront management (ghats and crematoria), ensuring e-flow, rural sanitation, afforestation, biodiversity conservation, public participation, etc. Till October 2024, a total of 484 projects have been taken up at an estimated cost of ₹ 39,604 Crore, out of which 302 projects have already been completed and made operational. The details of the projects and their expenditures are enclosed in **Annexure I**.

(b) Estimated sewage generation is approximately 3,600 MLD from the identified Ganga front towns in 5 Ganga main stem States (Uttarakhand, Uttar Pradesh, Bihar, Jharkhand and West Bengal). With the

interventions taken up under the Namami Gange program, at present the total treatment along the towns located along the main stem of river Ganga increased to approximately 2,750 MLD. In addition, approximately 910 MLD sewage is treated through East Kolkata Wetland. Apart from the above, projects for developing approximately 900 MLD STP capacity in the towns along the river Ganga main stem have been taken up which are at different stages of implementation.

(c) & (d) The Namami Gange Programme aims to meet the primary water quality criteria for outdoor bathing, notified by CPCB/ Ministry of Environment, Forest & Climate Change (MoEF&CC). The CPCB advises against consuming untreated river water, as drinking water must comply with BIS Standard IS 10500/2012.

Water quality monitoring is conducted at 112 locations under the National Water Monitoring Programme (NWMP), data from 10 key locations, including Haridwar, Kanpur, Prayagraj, Varanasi, and Patna, for TDS and pH levels, is enclosed as **Annexure-II**.

Heavy metal analyses (Arsenic, Cadmium, Copper, Lead, Chromium, Nickel, and Mercury) at Prayagraj and Varanasi in 2023 indicate levels below detectable limits (BDL). Detailed data is enclosed as **Annexure-III**.

ANNEXURE-I

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF UNSTARRED QUESTION NO. 728 TO BE ANSWERED IN RAJYA SABHA ON 02.12.2024 REGARDING “PROGRESS OF THE NAMAMI GANGE PROJECT”.

The intervention-wise status of projects under the Namami Gange Programme is as follows:

Sl. No.	Type of Project	State	Projects Sanctioned		Project Status	Expenditure
			Projects (Nos)	Cost (in Rs. Cr)	Completed	
1	Sewerage Projects	Uttarakhand	42	1,743	36	843
		Uttar Pradesh	73	14,823	45	5,878
		Bihar	38	7,089	17	4,342
		Jharkhand	5	1,310	2	235
		West Bengal	29	4,437	14	1,859
		Delhi	9	1,951	8	1,899
		Haryana	2	218	2	218
		Himachal Pradesh	1	12	1	4
		Rajasthan	1	258	0	182
		Madhya Pradesh	3	670	0	0
2	River front, Ghats and Crematoria		109	1,811	82	1,267
3	Solid Waste Management		14	1,468	11	1,182
4	Bioremediation		19	395	10	40
5	Industrial Pollution Abatement		23	1,762	8	526
6	Biodiversity & Afforestation		67	938	45	503
7	Livelihood Projects		11	46	2	13
8	Public Outreach Projects		16	421	11	217
9	Knowledge Projects		22	251	8	63
Total			484	39,603	302	19,271

ANNEXURE-II

ANNEXURE REFERRED TO IN REPLY TO PART (c) & (d) OF UNSTARRED QUESTION NO. 728 TO BE ANSWERED IN RAJYA SABHA ON 02.12.2024 REGARDING “PROGRESS OF THE NAMAMI GANGE PROJECT”.

Water quality data of River Ganga for TDS and pH in 2023

Sl. No	Name of Monitoring Location	District	TDS (mg/L)		pH	
			Min	Max	Min	Max
	Primary Water Quality for Outdoor Bathing notified under the E(P) Rules, 1986				6.5-8.5	
1.	RIVER GANGA AT HAR-KI-PAURI GHAT	Haridwar	106.6	225	7.3	8.3
2.	UPPER GANGA CAL DOWNSTREAM(D/S) AT ROORKEE		138	278	7.4	8.3
3.	RIVER GANGA AT BITHOOR (KANPUR), UTTAR PRADESH(U.P)	Kanpur	148	248	7.8	8.5
4.	RIVER GANGA AT BATHING GHAT (JAJMAU BRIDGE)		154	409	7.7	8.5
5.	RIVER GANGA AT PRAYAGRAJ (RASOOLABAD), U.P.	Parayagraj	201	247	7.8	8.4
6.	RIVER GANGA AT PRAYAGRAJ D/S (SANGAM), U.P.		228	258	7.8	8.4
7.	RIVER GANGA AT VARANASI UPSTREAM NEAR VISHWASUNDARI BRIDGE B/C DRAINS	Varanasi	194	328	7.8	8.4
8.	RIVER GANGA AT VARANASI D/S , A/C RIVER VARUNA , U.P		204	336	7.6	8.1
9.	RIVER GANGA AT DIGHA, NEAR J P SETU, PATNA U/S	Patna	170	286	7.2	8.4
10.	RIVER GANGA AT BAKHTIYARPUR-TAJPUR BRIDGE, ATHMALGOLA, PATNA		136	298	7.4	8.2

ANNEXURE-III

ANNEXURE REFERRED TO IN REPLY TO PART (c) & (d) OF UNSTARRED QUESTION NO. 728 TO BE ANSWERED IN RAJYA SABHA ON 02.12.2024 REGARDING “PROGRESS OF THE NAMAMI GANGE PROJECT”.

Water quality data of River Ganga for heavy metals in Parayagraj and Varanasi in 2023

Name of Monitoring Location	District	Arsenic (mg/L)	Cadmium (mg/L)	Copper (mg/L)	Lead (mg/L)	Chromium Total (mg/L)	Nickel (mg/L)	Mercury (mg/L)
RIVER GANGA AT PRAYAGRAJ (RASOOLABAD), U.P.	Parayagraj	BDL	BDL	BDL	BDL	BDL	BDL	BDL
RIVER GANGA AT PRAYAGRAJ D/S (SANGAM), U.P.		BDL	BDL	BDL	BDL	BDL	BDL	BDL
RIVER GANGA AT VARANASI U/S NEAR VISHWASUNDARI BRIDGE B/C DRAINS	Varanasi	BDL	BDL	BDL	BDL	BDL	BDL	BDL
RIVER GANGA AT VARANASI D/S , A/C RIVER VARUNA , U.P		BDL	BDL	BDL	BDL	BDL	BDL	BDL

BDL- Below Detection limit.
