

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI,
DEPARTMENT OF WATER RESOURCES, RIVER DEVELOPMENT & GANGA REJUVENATION
LOK SABHA
UNSTARRED QUESTION NO. †2437
ANSWERED ON 05.03.2020

GROUND WATER CONTAMINATION

†2437. SHRI CHANDRA PRAKASH JOSHI

Will the Minister of JAL SHAKTI be pleased to state:

- (a) whether there has been any decrease in the level of ground water contamination across the country during the last three years;
- (b) if so, the details thereof, State-wise; and
- (c) if not, the factors responsible for the same?

ANSWER

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

(SHRI RATTAN LAL KATARIA)

(a) to (c) Central Ground Water Board (CGWB) generates ground water quality data of the country on a regional scale as part of its ground water quality monitoring program and various scientific studies. These studies indicate the occurrence of contaminants such as Flouride, Arsenic, Nitrate, Iron and Heavy Metals beyond permissible limits (as per BIS) for human consumption in isolated pockets in various States / UTs. State-wise details of contamination of ground water are given at **Annexure.**

Commonly observed contaminants such as Arsenic, Fluoride and Iron are geogenic, whereas contaminants such as nitrates, phosphates, heavy metals etc. owe their origin to various human activities including domestic sewage, agricultural practices and industrial effluents.

No appreciable change in the status of ground water contamination as reported by CGWB (on a regional scale) has been observed during last three years.

ANNEXURE

Annexure referred to in reply to parts (a) to (c) of Unstarred Question No.†2437 to be answered in Lok Sabha on 05.03.2020 regarding “Ground Water Contamination”.

States Wise Number of Partly Affected Districts with different Contaminants in Ground Water of India

S. No.	State/ UT	Salinity (EC above 3000 micro mhos/cm) (EC: Electrical Conductivity)	Fluoride (above 1.5 mg/l)	Nitrate (above 45 mg/l)	Arsenic (above 0.01 mg/l)	Iron (above 1mg/l)	Lead (above 0.01 mg/l)	Cadmium (above 0.003 mg/l)	Chromium (above 0.05 mg/l)
1	Andhra Pradesh	12	12	13	3	7			
2	Telangana	8	10	10	1	8	2	1	1
3	Assam		9		19	18			
4	Arunachal Pradesh					4			
5	Bihar		13	10	22	19			
6	Chhattisgarh	1	19	12	1	17	1	1	1
7	Delhi	7	7	8	2		3	1	4
8	Goa					2			
9	Gujarat	21	22	24	12	10			
10	Haryana	18	21	21	15	17	17	7	1
11	Himachal Pradesh			6	1				
12	Jammu & Kashmir		2	6	3	9	3	1	
13	Jharkhand		12	11	2	6	1		
14	Karnataka	29	30	29	2	22			
15	Kerala	4	5	11		14	2		1
16	Madhya Pradesh	18	43	51	8	41	16		
17	Maharashtra	25	17	30		20	19		
18	Manipur		1		2	4			
19	Meghalaya		1			6			
20	Nagaland		1			1			
21	Odisha	17	26	28	1	30			1
22	Punjab	10	19	21	10	9	6	8	10
23	Rajasthan	30	33	33	1	33	3		
24	Tamil Nadu	28	25	29	9	2	3	1	5
25	Tripura					4			
26	Uttar Pradesh	13	34	59	28	15	10	2	3
27	Uttarakhand			4		5			
28	West Bengal	6	8	5	9	16	6	2	2
29	Andaman & Nicobar	1				2			
30	Daman & Diu	1		1	1				
31	Puducherry			1					
	Total	Parts of 249 districts in 18 states & UTs	Parts of 370 districts in 23 states & UTs	Parts of 423 districts in 23 states & UTs	Parts of 152 districts in 21 states & UTs	Parts of 341 districts in 27 states & UTs	Pb in parts of 92 districts in 14 states	Cd in parts of 24 districts in 9 states	Cr in parts of 29 districts in 10 states
