

GOVERNMENT OF INDIA
MINISTRY OF JAL SHAKTI
DEPARTMENT OF DRINKING WATER AND SANITATION

LOK SABHA
STARRED QUESTION NO. 411
ANSWERED ON 31/03/2022

WATER BORNE DISEASES

†*411. DR. BHARATIBEN DHIRUBHAI SHIYAL:

Will the Minister of JAL SHAKTI be pleased to state:

- (a) the total number of persons who fall ill due to water-borne diseases in the country including Gujarat during the last three years, State-wise;
- (b) whether the chemical substances mixed in the process of cleaning water are weakening the bones and if so, the details thereof; and
- (c) if so, the corrective measures being taken by the Government to purify water?

ANSWER

THE MINISTER OF STATE FOR JAL SHAKTI
(SHRI PRAHLAD SINGH PATEL)

- (a) to (c) A Statement of reply is laid on the Table of the House.

Statement referred to in the reply to Lok Sabha Starred Question No.411 due for reply on 31/03/2022

(a) to (c) Drinking water supply is a State subject. Water Supply/ Water & Sanitation/ Public Health Engineering Departments and/or parastatal organization of respective State Government/ UT Administration, are responsible for making provision of water supply and ensuring quality of water supplied in their respective State/UT.

To make provision of potable tap water supply in adequate quantity, of prescribed quality and on regular & long-term basis to every rural household in the country by 2024, since August, 2019, Government of India in partnership with States/ UTs, is implementing Jal Jeevan Mission (JJM) – Har Ghar Jal.

Under Jal Jeevan Mission, as per existing guidelines, IS 10500 is to be adopted for ensuring safe drinking water supply and States/ UTs have been advised to carry out water quality testing of drinking water sources on regular basis.

To enable States/ UTs to test water samples for water quality, and for sample collection, reporting, monitoring and surveillance of drinking water sources, an online JJM – Water Quality Management Information System (WQMIS) portal has been developed, which is available in public domain on JJM Dashboard and can also be accessed at:

<https://neer.icmr.org.in/website/main.php>

This portal also provides automated alerts to concerned authorities in States/ UTs, if the water sample tested is contaminated, to initiate remedial actions. On this portal an individual can also register his sample and choose nearby water quality testing laboratory to get the water sample tested.

To encourage water quality testing to ensure potable drinking water supply, States/ UTs have been advised to open water quality testing laboratories to general public at a nominal rate for testing of their water samples.

States/UTs have also been advised to identify and train 5 persons preferably women in each village from local community viz. ASHA workers, health workers, VWSC members, teachers, etc. to conduct water quality tests using FTKs/ bacteriological vials at village level and report the same on the portal.

There is no case reported regarding weakening of bones by States/ UTs due to use of chemical substances viz. alum, lime and chlorine in the process of cleaning of water in conventional water treatment plants.

As informed by National Centre for Disease Control, an organization under Ministry of Health and Family Welfare, State/UT-wise, including Gujarat, details of number of cases of water-borne diseases during 2019, 2020 and 2021 is **annexed**.

Annex referred in the reply of Lok Sabha Starred Question No.411 due for reply on 31/03/2022

State/ UT-wise details of cases of water-borne diseases during 2019

S. No.	State Name	Acute Diarrheal Disease	Cholera	Viral Hepatitis-A	Viral Hepatitis-E	Leptospirosis
1.	A & N Islands	12,331	-	1	-	305
2.	Andhra Pradesh	4,61,038	2	11	4	-
3.	Arunachal Pradesh	41,158	-	17	5	-
4.	Assam	5,59,416	1	683	98	291
5.	Bihar	3,08,700	-	382	25	2
6.	Chandigarh	48,254	2	177	100	10
7.	Chhattisgarh	2,65,187	-	278	275	6
8.	Delhi	5,94,000	175	812	904	13
9.	DNH & DD	46,073	1	84	13	36
10.	Goa	29,174	-	15	4	22
11.	Gujarat	10,48,134	236	2,174	3,872	75
12.	Himachal Pradesh	2,16,961	-	126	7	3
13.	Haryana	2,41,179	7	251	236	4
14.	Jharkhand	1,47,963	-	113	62	-
15.	Jammu And Kashmir	3,75,464	-	439	158	-
16.	Kerala	5,46,384	1	2,918	6	1,217
17.	Karnataka	10,29,908	7	359	87	1,168
18.	Lakshadweep	-	-	-	-	-
19.	Ladakh	15,778	-	1	-	-
20.	Meghalaya	1,31,978	-	158	16	2
21.	Maharashtra	7,54,255	35	2,050	1,659	3,086
22.	Manipur	42,014	-	1	-	-
23.	Madhya Pradesh	10,77,734	15	1,923	399	23
24.	Mizoram	13,452	30	3	-	13
25.	Nagaland	12,191	-	4	2	1
26.	Odisha	10,35,570	37	147	44	13
27.	Punjab	2,46,393	34	412	294	15
28.	Puducherry	94,438	-	16	2	5
29.	Rajasthan	16,05,092	3	628	245	1
30.	Sikkim	18,217	-	39	12	-
31.	Telangana	3,29,303	1	36	21	105
32.	Tamil Nadu	3,92,601	7	724	283	813
33.	Tripura	94,339	-	46	12	7
34.	Uttarakhand	1,96,111	-	275	49	2
35.	Uttar Pradesh	24,96,785	5	2,956	692	79
36.	West Bengal	31,20,055	16	216	48	18
	Total	1,76,47,630	615	18,475	9,634	7,335

State/ UT-wise details of cases of water-borne diseases during 2020

S. No.	State Name	Acute Diarrheal Disease	Cholera	Viral Hepatitis-A	Viral Hepatitis-E	Leptospirosis
1.	A & N Islands	7,912	-	-	-	51
2.	Andhra Pradesh	2,60,701	-	-	-	-
3.	Arunachal Pradesh	24,499	-	55	13	-
4.	Assam	1,82,016	1	112	28	58
5.	Bihar	82,908	-	172	19	2
6.	Chandigarh	23,799	-	81	52	39
7.	Chhattisgarh	1,40,459	-	12	24	1
8.	Delhi	1,85,938	2	177	193	10
9.	DNH & DD	17,321	-	31	7	11
10.	Goa	13,221	-	9	1	5
11.	Gujarat	6,63,628	3	600	1,232	22
12.	Himachal Pradesh	77,362	-	11	4	1
13.	Haryana	1,47,126	1	138	107	75
14.	Jharkhand	44,359	1	12	1	3
15.	Jammu And Kashmir	1,78,307	-	240	68	-
16.	Kerala	2,38,522	3	1,189	15	979
17.	Karnataka	5,82,560	9	90	38	948
18.	Lakshadweep	246	-	-	-	-
19.	Ladakh	8,882	-	-	-	-
20.	Meghalaya	82,988	-	50	8	-
21.	Maharashtra	4,55,110	21	471	280	2,297
22.	Manipur	16,498	-	4	-	-
23.	Madhya Pradesh	6,15,150	5	773	37	26
24.	Mizoram	7,313	1	10	1	1
25.	Nagaland	7,669	-	6	2	4
26.	Odisha	8,99,182	-	69	1	5
27.	Punjab	64,430	1	27	43	-
28.	Puducherry	48,917	4	4	2	15
29.	Rajasthan	8,49,494	-	122	25	17
30.	Sikkim	14,569	-	7	10	-
31.	Telangana	1,65,304	-	8	2	17
32.	Tamil Nadu	2,07,989	13	268	67	290
33.	Tripura	46,910	-	8	1	6
34.	Uttarakhand	77,948	-	36	11	-
35.	Uttar Pradesh	4,62,813	-	458	53	48
36.	West Bengal	20,32,291	5	53	17	19
	Total	89,34,341	70	5,303	2,362	4,950

State/ UT-wise details of cases of water-borne diseases during 2021

S. No.	State Name	Acute Diarrheal Disease	Cholera	Viral Hepatitis-A	Viral Hepatitis-E	Leptospirosis
1.	A &N Islands	8,244	-	2	-	44
2.	Andhra Pradesh	1,99,309	-	-	1	9
3.	Arunachal Pradesh	13,899	-	54	15	-
4.	Assam	70,495	-	50	30	27
5.	Bihar	28,629	-	324	-	-
6.	Chandigarh	16,514	39	49	13	19
7.	Chhattisgarh	42,686	-	-	-	-
8.	Delhi	76,458	11	137	69	5
9.	DNH & DD	11,149	1	9	1	6
10.	Goa	3,537	-	3	-	4
11.	Gujarat	3,93,819	115	968	425	8
12.	Himachal Pradesh	50,690	-	9	3	-
13.	Haryana	1,30,621	5	128	27	172
14.	Jharkhand	33,049	5	49	24	2
15.	Jammu And Kashmir	54,990	-	41	2	-
16.	Kerala	2,34,190	4	352	17	1,895
17.	Karnataka	3,34,389	1	35	30	356
18.	Lakshadweep	-	-	-	-	-
19.	Ladakh	5,681	-	-	-	-
20.	Meghalaya	35,754	-	13	32	-
21.	Maharashtra	3,28,848	-	440	88	3,051
22.	Manipur	3,461	-	-	-	-
23.	Madhya Pradesh	2,26,275	2	225	51	-
24.	Mizoram	4,137	-	2	-	2
25.	Nagaland	4,849	-	-	-	3
26.	Odisha	3,78,042	7	6	6	-
27.	Punjab	37,599	7	7	3	-
28.	Puducherry	18,869	-	-	-	1
29.	Rajasthan	6,00,562	-	107	15	2
30.	Sikkim	10,747	-	-	-	-
31.	Telangana	73,306	-	5	2	33
32.	Tamil Nadu	74,012	-	172	27	212
33.	Tripura	26,605	-	5	-	8
34.	Uttarakhand	1,03,204	-	103	6	-
35.	Uttar Pradesh	2,15,765	-	563	427	92
36.	West Bengal	20,57,188	12	219	45	135
	Total	59,07,572	209	4,077	1,359	6,086