

GOVERNMENT OF INDIA  
MINISTRY OF WATER RESOURCES,  
RIVER DEVELOPMENT & GANGA REJUVENATION  
**LOK SABHA**  
**UNSTARRED QUESTION NO. 1626**  
ANSWERED ON 28.12.2017

**GROUND WATER CONTAMINATION**

1626. SHRI B.V. NAIK

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

- (a) the details of arsenic and other toxic elements, present in the groundwater in each district of the country including Karnataka and the arrangements made for potable water in such districts; and
- (b) the details about the programmes implemented and the amount spent thereon including the number of beneficiary regions along with the target set by the Government during the last three years to tackle the problem of contamination of groundwater as well as the drinking water crisis in the affected States?

**ANSWER**

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND  
GANGA REJUVENATION & PARLIAMENTARY AFFAIRS

(SHRI ARJUN RAM MEGHWAL)

(a) & (b) State/UT-wise number of fluoride, arsenic, iron, nitrate, salinity & heavy metals affected habitations as reported by the States into Integrated Management Information System (IMIS) of the Ministry of Drinking Water & Sanitation, as on 26<sup>th</sup> December, 2017 is given at **Annexure-I**.

State-wise financial support provided during the last three years and current year (as on 15 Dec, 2017) for providing safe drinking water to rural population under National Rural Drinking Water Programme (NRDWP) is given at **Annexure-II**.

Rural drinking water supply is a State subject. For improving the coverage of safe drinking water to rural population, the Ministry of Drinking Water & Sanitation supplements the efforts of the States by providing them with technical and financial assistance through the centrally sponsored National Rural Drinking Water Programme (NRDWP). It is the State Governments who plan, design, approve, execute and operate & maintain the schemes for providing safe drinking water to rural population. The funds provided to the States under NRDWP can be utilized for coverage and tackling water quality problems with priority to arsenic and fluoride affected habitations.

The Ministry of Drinking Water and Sanitation has informed all the States to commission surface water based piped water supply schemes in all water quality affected habitations as a long term sustainable solution. To deal with arsenic and fluoride contamination, with the recommendation of NITI Aayog, Government of India has released Rs 800 crore in March' 2016 for commissioning community water purification plants in 1,327 arsenic and 12,014 fluoride affected habitations so that safe water for drinking and cooking needs is addressed immediately. In addition, funds to the tune of Rs.100 Crore each are also provided for tackling arsenic and fluoride problems in West Bengal and Rajasthan respectively for the last mile connectivity in commissioning surface water based piped water supply schemes.

Further, the Ministry of Drinking Water and Sanitation had launched the National Water Quality Sub-Mission on 22nd March, 2017 under NRDWP to provide safe drinking water to about 28,000 arsenic / fluoride affected habitations over a span of 4 years, subject to availability of funds.

Other arrangements made by Central Government for potable water in such districts are –

- Awareness generation programs/ workshop on preventing ground water pollution and use of contaminated water, rain water harvesting and artificial recharge to ground water are being conducted by CGWB periodically.
- Central Ground Water Board (CGWB) under MoWR, RD& GR carries out exploratory drilling to delineate contaminant free aquifer zones for arsenic affected areas and successful exploratory wells are handed over to the concerned agencies in the States for utilization by them.
- Under the National Aquifer Mapping Programme, CGWB is giving special attention to map ground water quality affected areas. The reports of the National Aquifer Mapping Programme are shared with State Governments.
- Further, CGWB monitors ground water quality periodically to ascertain the magnitude and special extent of different contaminants in ground water. The ground water quality data is shared with concerned State Governments for taking necessary remedial measures.

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**ANNEXURE - I**

**Annexure referred to in reply to part (a) & (b) of Unstarred Question No.1626 to be answered in Lok Sabha on 28.12.2017 regarding 'Ground Water Contamination'**

**State/UT-wise number of fluoride, arsenic, iron, nitrate, salinity & heavy metals affected habitations, as reported by the States into Integrated Management Information System (IMIS) of the Ministry as on 26<sup>th</sup> December, 2017**

S. No.	State/UT	Contamination-wise Number of Habitations						
		Total	Fluoride	Arsenic	Iron	Salinity	Nitrate	Heavy Metal
1	Andaman and Nicobar	0	0	0	0	0	0	0
2	Andhra Pradesh	418	349	0	1	62	6	0
3	Arunachal Pradesh	31	0	0	31	0	0	0
4	Assam	11024	285	4518	6214	0	0	7
5	Bihar	4231	898	871	2462	0	0	0
6	Chhattisgarh	1170	405	19	734	2	10	0
7	Goa	0	0	0	0	0	0	0
8	Gujarat	0	0	0	0	0	0	0
9	Haryana	128	119	0	0	9	0	0
10	Himachal Pradesh	0	0	0	0	0	0	0
11	Jammu And Kashmir	16	4	0	12	0	0	0
12	Jharkhand	2896	552	102	2235	0	4	0
13	Karnataka	1050	600	4	78	40	327	1
14	Kerala	363	34	0	199	98	32	0
15	Madhya Pradesh	187	171	0	5	11	0	0
16	Maharashtra	283	81	0	17	94	91	0
17	Manipur	0	0	0	0	0	0	0
18	Meghalaya	32	0	0	32	0	0	0
19	Mizoram	0	0	0	0	0	0	0
20	Nagaland	30	0	0	30	0	0	0
21	Odisha	3051	105	0	2566	380	0	0
22	Puducherry	0	0	0	0	0	0	0
23	Punjab	3600	304	720	275	14	148	2139
24	Rajasthan	19893	6159	0	5	12655	1074	0
25	Sikkim	0	0	0	0	0	0	0
26	Tamil Nadu	198	0	0	176	22	0	0
27	Telangana	1350	987	0	36	182	145	0
28	Tripura	2542	0	0	2542	0	0	0
29	Uttar Pradesh	1379	179	748	362	80	10	0
30	Uttarakhand	16	0	0	13	0	3	0
31	West Bengal	18812	1336	10928	5792	483	0	273
	<b>Total</b>	<b>72700</b>	<b>12568</b>	<b>17910</b>	<b>23817</b>	<b>14132</b>	<b>1850</b>	<b>2420</b>

**ANNEXURE - II**

Annexure referred to in reply to part (a) & (b) of Unstarred Question No.1626 to be answered in Lok Sabha on 28.12.2017 regarding 'Ground Water Contamination'

State-wise financial support provided during the last three years and current year (as on 15 Dec 2017) for providing safe drinking water to rural population under National Rural Drinking Water Programme (NRDWP)

(Rs. in crores)																	
S. No.	State/UT	2014-15				2015-16				2016-17				2017-18 as on 15.12.2017			
		OB	Allocation	Release	Exp.	OB	Allocation	Release	Exp.	OB	Allocation	Release	Exp.	OB	Allocation	Release	Exp.
1	ANDAMAN and NICOBAR	0.28	0.86	0.81	0.43	0.67	0.38	0.16	0	0.83	0.45	0.22	0	1.05	0.30	0	0
2	ANDHRA PRADESH	82.74	372.43	377.78	427.08	33.44	156.69	170.05	190.6	12.88	181.01	204	157.38	59.51	165.68	119.85	130.99
3	ARUNACHAL PRADESH	25.77	87.21	109.83	119.5	16.09	58.08	65.4	66.23	15.26	100.89	110.84	113.71	12.4	88.78	58.4	4.07
4	ASSAM	92.7	501.1	585.32	586.88	92.64	268.26	284.11	216.2	160.83	398.37	348.06	206.61	309.59	325.02	158.8	138.15
5	BIHAR	259.33	441.07	399.11	381.9	276.54	229.6	202.73	295.38	183.89	313.22	373.81	473.29	84.97	249.95	215.28	120.03
6	CHATTISGARH	31.56	159.08	150.74	173.08	12.05	63.69	60.83	64.64	8.24	70.65	84.28	65.66	26.86	72.74	31.23	36.9
7	GOA	3.73	4.61	0	0	3.73	2.08	1.66	0	5.39	2.44	1.19	3.35	3.23	1.67	0	0
8	GUJARAT	134.24	509.48	405.58	491.44	48.38	240.13	238.91	274.78	12.5	281.14	278.5	265.16	25.84	225.51	107.06	132.49
9	HARYANA	13.96	218.09	277.98	228.82	63.13	97.65	122.65	150.74	35.19	114.53	111.53	116.42	30.3	94.85	51.83	52.11
10	HIMACHAL PRADESH	45.27	131.84	120.89	120.18	45.97	65.2	64.38	69.88	12.82	69.65	83.31	66.04	30.09	76.74	31.22	49.73
11	JAMMU AND KASHMIR	59.11	461.33	474.41	458.03	75.49	199.4	192.12	222.16	45.44	232.88	225.14	219.94	57.87	241.98	87.74	89.1
12	JHARKHAND	102.26	169.86	175.18	206.88	89.26	126.85	132.09	133.7	99.65	115.77	131.74	157.89	80.62	92.47	90.09	94.85
13	KARNATAKA	237.76	623.2	563.91	622.37	179.31	307.62	278.08	366.68	90.71	359.38	343.72	341.33	93.1	279.69	123.58	77.28
14	KERALA	40.87	115.59	124.1	131.86	33.11	52.78	48.05	64.45	16.71	62.35	75.22	74.21	17.72	70.00	47.8	24.78
15	MADHYA PRADESH	133.97	397.18	440.18	399.94	174.76	181.76	193.73	381.15	16.15	213.61	232.26	212.48	35.92	201.68	86.71	75.25
16	MAHARASHTRA	587.39	780.06	748.23	901.96	433.66	344.16	330.88	584	180.69	412.33	404.45	412.32	172.82	397.47	161.08	105.16
17	MANIPUR	27.09	90.35	88.54	92.25	23.38	28.98	27.92	43.44	7.87	41.83	40.61	18.87	29.61	37.24	15.66	41.94
18	MEGHALAYA	22.89	59.61	69.5	81.02	11.6	30.52	31.24	30.92	12.14	42.02	40.42	49.29	3.39	48.15	34.27	18.85
19	MIZORAM	35.09	42.43	34.5	39.81	30.99	17.71	17.32	23.16	25.15	25.33	24.49	24.82	24.83	25.92	10.91	8.65
20	NAGALAND	12.38	108.19	101.44	86.45	27.37	39.27	38.53	61.9	4.25	37.93	36.84	40.2	0.89	27.10	12.81	13
21	ODISHA	106.02	205.69	230.67	272.83	78.88	96.9	103.19	165.25	16.82	114.9	134.96	100.59	53.47	120.17	44.98	27.94
22	PUDUCHERRY	0.94	1.62	0	0	0.98	0.74	0	0	0.98	0.86	0.29	0	1.27	0.62	0	0
23	PUNJAB	14.94	93.88	97.38	90.23	22.1	39.77	42.79	36.57	28.31	46.02	51.89	53.56	26.64	68.47	17.97	28.76
24	RAJASTHAN	199.22	1194.46	1304.64	1386.79	117.07	547.17	526.75	480.21	163.61	1073.52	1072.92	681.21	555.31	558.08	261.84	400.07
25	SIKKIM	2.47	30.38	31.7	32.03	0.98	10.64	12.05	12.49	0.54	14.77	19.42	16.51	3.45	9.14	2.91	6.43
26	TAMIL NADU	44.97	367.36	382.46	432.39	5.48	169.5	182.35	164.85	27.49	157.6	174.68	188.98	14.35	144.50	101.77	62.88
27	TELANGANA	0	200.65	212.24	189.25	22.99	88.77	97.71	106.42	14.52	115.97	133.09	111.89	35.71	114.85	422.41	386.8
28	TRIPURA	3.4	62.06	68.31	64.81	8.18	28.07	31.68	39.97	0.8	39.48	43.73	38.73	6.54	43.65	13.69	20.13
29	UTTAR PRADESH	485.61	1006.43	1073.22	1146.18	412.65	477.69	490.31	690.46	272.38	651.58	621.95	639.54	257.82	397.81	234.14	342.63
30	UTTARAKHAND	124.32	135.01	111.48	138.05	97.76	63.57	60.06	99.79	63.75	90.88	88.19	99.95	52.66	82.93	58.81	55.92
31	WEST BENGAL	143.68	436.53	431.09	480.72	96.94	199.68	216.85	288.75	25.49	423.39	440.15	444.86	20.78	274.23	337.05	198.38
<b>Total</b>		<b>3073.96</b>	<b>9007.64</b>	<b>9191.22</b>	<b>9783.16</b>	<b>2535.6</b>	<b>4233.31</b>	<b>4264.58</b>	<b>5324.8</b>	<b>1561.3</b>	<b>5804.75</b>	<b>5931.9</b>	<b>5394.8</b>	<b>2128.61</b>	<b>4537.39</b>	<b>2939.89</b>	<b>2743.3</b>

OB → Opening Balance