

GOVERNMENT OF INDIA
MINISTRY OF DRINKING WATER & SANITATION

LOK SABHA
UNSTARRED QUESTION NO. 860
TO BE ANSWERED ON 28.04.2016
Contaminated Drinking Water

860. SHRI BADRUDDIN AJMAL:
SHRI DUSYANT SINGH:
SHRI JAYADEV GALLA:
SHRI MD. BADARUDDOZA KHAN:
SHRI VINOD KUMAR SONKAR

Will the Minister of DRINKING WATER AND SANITATION be pleased to state:

- (a) whether hazardous chemicals including arsenic and fluoride have been found in excessive quantity in drinking water in various parts of the country, if so, the location/habitation wise details thereof, State/UT-wise;
- (b) the number and percentage of habitations/households reported to be affected therefrom along with the remedial steps taken/being taken by the Government in this regard, State/UT-wise during the last three years and the current year and the time by which all these habitations are likely to be provided with safe drinking water;
- (c) the financial and technical assistance provided by the Government to improve the quality of water and to continuously monitor the same during the above period, State/UT-wise and;
- (d) the details of diseases caused due to consumption of these chemicals in excessive quantity and the steps taken to check the contamination of drinking water?

ANSWER
MINISTER OF STATE
IN THE MINISTRY OF DRINKING WATER & SANITATION
(SHRI RAM KRIPAL YADAV)

(a) & (b) The Ministry of Drinking Water and Sanitation monitors primarily five major chemical contamination viz., arsenic, fluoride, iron, salinity and nitrate in rural drinking water sources, which are fairly widespread across the country. Further, the Ministry has also started monitoring emerging chemical contaminants like heavy /toxic metals including uranium in the rural drinking water sources in the country. This data on heavy and toxic metals is reported by the State Government from their laboratory records. The number of rural habitations affected with arsenic, fluoride, iron, salinity and nitrate in one or more drinking water sources along with the rural population, which are yet to be provided safe drinking water as on 1/4/2013, 1/4/2014, 1/4/2015 and 1/4/2016 (provisional) as reported by the State Governments into the online Integrated Management Information System (IMIS) of the Ministry is at Annexure-I, II, III and IV respectively. The number of heavy and toxic metals reported from laboratory records during the last 3 years and during 2015-16 (provisional) is at Annexure-V, VI, VII and VIII respectively, as reported by

the State Governments into the online IMIS of the Ministry. The Ministry has accorded highest priority to tackle arsenic and fluoride affected habitations and, has advised all the States to tackle all reported arsenic and fluoride affected habitations by installation of Community Water Purification plants by March 2017 (short term solution to provide 8-10 lpcd of safe water for drinking and cooking purpose only) and by providing piped water supply schemes preferably based on surface water (long term and most sustainable solution) subject to availability of funds. In this regard, NITI Aayog, Government of India has provided Rs 800 crore for installation of community water purification plants in all remaining arsenic and fluoride affected 19 States. In addition, NITI Aayog has also provided Rs 100 crore each to Rajasthan and West Bengal for last mile connectivity of piped water supply schemes in fluoride and arsenic affected habitations respectively.

(c) The Ministry of Drinking Water and Sanitation, Government of India assists the State Governments technically and financially for supplying safe drinking water in adequate quantity to the rural population of the country through the centrally sponsored National Rural Drinking Water Programme (NRDWP). The State/UT-wise allocation and release made to the States under NRDWP during the last 3 years and 2015-16 is at Annexure-IX. The Ministry has also published and circulated Uniform Drinking Water Quality Monitoring Protocol, Handbook on Drinking Water Treatment Technologies, Operation & Maintenance Manual, and Manual on Artificial ground water recharge to the States as part of technical assistance.

(d) Prolonged consumption of excess arsenic in drinking water may lead to diseases such as keratosis and melanosis; prolonged consumption of fluoride in drinking water may lead to dental, skeletal and non-skeletal fluorosis; prolonged consumption of excess nitrate in drinking water may lead to methaemoglobinemia (blue baby syndrome) especially in infants. Excess iron and salinity in drinking water are not palatable for human consumption beyond a threshold limit. For monitoring drinking water quality using simple field test kits, upto 5 grass root workers in each Gram Panchayat are trained in using Chemical Field Test Kits (FTK) and Bacteriological vials for testing the quality of water in their jurisdiction for major chemical and bacteriological parameters. Since inception of the Water Quality Monitoring and Surveillance Programme in 2006 and till 22/04/2016, a total of 33.21 lakh people have been trained for using chemical field test kits and bacteriological vials to test their local drinking water sources, which include 29.52 grass root people in the Gram Panchayats of the Country. As reported into the online IMIS by the States, during 2015-016, 10.56 lakh water sources have been tested using field test kits and 1.56 lakh sources have been reported contaminated. Further, as reported into the online IMIS by the States, during 2015-016, 37.91 lakh drinking water samples have been tested in 2223 laboratories.

Annexure-I referred in the reply to Lok Sabha Unstarred Question No. 860 due for
reply on 28/04/2016

State-wise water quality affected habitations as reported by States into online IMIS as
on 1/4/2013

S.No.	State	Contamination Wise Number Of Habitations & Population											
		Total		Fluoride		Arsenic		Iron		Salinity		Nitrate	
		Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population
1	ANDAMAN and NICOBAR	0	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	3549	5113232	2179	3151850	0	0	132	162354	923	1317870	315	481158
3	ARUNACHAL PRADESH	114	32783	0	0	0	0	114	32783	0	0	0	0
4	ASSAM	12879	4423683	10	2328	501	160220	12368	4261135	0	0	0	0
5	BIHAR	10587	5923305	1504	764191	727	543869	8355	4614772	0	0	1	473
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0	0
7	CHHATTISGARH	5588	1339536	214	49743	0	0	5242	1211069	132	78724	0	0
8	DADRA & NAGAR HAVELI	0	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	207	365258	91	142552	0	0	0	0	1	234	115	222472
12	HARYANA	11	34295	11	34295	0	0	0	0	0	0	0	0
13	HIMACHAL PRADESH	0	0	0	0	0	0	0	0	0	0	0	0
14	JAMMU AND KASHMIR	0	0	0	0	0	0	0	0	0	0	0	0
15	JHARKHAND (Reconciled data)	72	14262	19	4849	0	0	53	9413	0	0	0	0
16	KARNATAKA	3207	2960231	1503	1467600	16	23766	556	399914	377	353226	755	715725
17	KERALA	893	1871688	106	214630	0	0	564	1226624	167	305625	56	124809
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH (Reconciled data)	2120	948844	1911	823846	0	0	140	57700	69	67298	0	0
20	MAHARASHTRA	1294	2766051	401	978106	0	0	243	377942	253	440633	397	969370
21	MANIPUR	0	0	0	0	0	0	0	0	0	0	0	0
22	MEGHALAYA	90	30317	0	0	0	0	90	30317	0	0	0	0
23	MIZORAM	0	0	0	0	0	0	0	0	0	0	0	0
24	NAGALAND	73	49277	0	0	0	0	73	49277	0	0	0	0
25	ODISHA	9000	2556355	360	86316	0	0	7889	2213145	740	249224	11	7670
26	PUDUCHERRY	9	16705	0	0	0	0	8	15048	1	1657	0	0
27	PUNJAB	239	291513	13	17454	0	0	221	268667	5	5392	0	0
28	RAJASTHAN (Reconciled data)	23841	9202412	6876	4206271	0	0	11	10663	15557	3689033	1397	1296445
29	SIKKIM	0	0	0	0	0	0	0	0	0	0	0	0
30	TAMIL NADU	486	217677	8	2556	0	0	415	187601	54	24418	9	3102
31	TRIPURA	5003	1574914	0	0	0	0	5003	1574914	0	0	0	0
32	UTTAR PRADESH	786	683664	272	213552	153	143250	53	115971	307	210305	1	586
33	UTTARAKHAND	39	120594	3	10810	0	0	32	95802	0	0	4	13982
34	WEST BENGAL	2707	4374022	84	112535	520	1552947	2100	2707571	3	969	0	0
	Total	82794	44910618	15565	12283484	1917	2424052	43662	19622682	18589	6744608	3061	3835792

Annexure-II referred in the reply to Lok Sabha Unstarred Question No. 860 due for
reply on 28/04/2016

State-wise water quality affected habitations as reported by States into online IMIS as
on 1/4/2014

S.No.	State	Contamination Wise Number Of Habitations & Population											
		Total		Fluoride		Arsenic		Iron		Salinity		Nitrate	
		Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population
1	ANDAMAN and NICOBAR	0	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	1554	2132016	745	1091394	0	0	74	87774	610	762740	125	190108
3	ARUNACHAL PRADESH	87	26120	0	0	0	0	87	26120	0	0	0	0
4	ASSAM	10684	3974935	128	58780	424	139343	10132	3776812	0	0	0	0
5	BIHAR	6599	4187710	893	491923	357	329617	5348	3365688	0	0	1	482
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0	0
7	CHHATTISGARH	4095	1152746	132	34720	0	0	3858	1036485	105	81541	0	0
8	DADRA & NAGAR HAVELI	0	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	255	476307	62	96026	0	0	0	0	52	57369	141	322912
12	HARYANA	15	53455	15	53455	0	0	0	0	0	0	0	0
13	HIMACHAL PRADESH	0	0	0	0	0	0	0	0	0	0	0	0
14	JAMMU AND KASHMIR	10	22618	2	7911	0	0	8	14707	0	0	0	0
15	JHARKHAND	27	7784	12	5260	0	0	15	2524	0	0	0	0
16	KARNATAKA	2373	2448800	1122	1329602	12	17626	473	323926	308	284637	458	493009
17	KERALA	828	1859055	102	275557	0	0	538	1191656	143	280510	45	111332
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH	1737	722707	1055	454054	0	0	629	223546	53	45107	0	0
20	MAHARASHTRA	949	1999338	307	672939	0	0	114	240414	215	363144	313	722841
21	MANIPUR	0	0	0	0	0	0	0	0	0	0	0	0
22	MEGHALAYA	52	22124	0	0	0	0	52	22124	0	0	0	0
23	MIZORAM	0	0	0	0	0	0	0	0	0	0	0	0
24	NAGALAND	38	29431	0	0	0	0	38	29431	0	0	0	0
25	ODISHA	6720	1867455	279	55269	0	0	5774	1605586	656	199424	11	7176
26	PUDUCHERRY	9	19473	0	0	0	0	8	17678	1	1795	0	0
27	PUNJAB	19	12338	1	568	1	152	16	9948	1	1670	0	0
28	RAJASTHAN	23956	9919410	7670	4884613	0	0	10	9332	14722	3621297	1554	1404168
29	SIKKIM	0	0	0	0	0	0	0	0	0	0	0	0
30	TAMIL NADU	415	192286	0	0	0	0	333	158113	81	33881	1	292
31	TELANGANA	1619	2658399	1174	1922783	0	0	51	66145	232	420373	162	249098
32	TRIPURA	4319	2193860	0	0	0	0	4319	2193860	0	0	0	0
33	UTTAR PRADESH	498	430406	180	143967	73	83743	38	90845	205	108086	2	3765
34	UTTARAKHAND	34	128617	2	10889	0	0	28	101494	0	0	4	16234
35	WEST BENGAL	11614	11198970	251	178205	1124	2374610	10150	8542785	88	102627	1	743
	Total	78506	47736360	14132	11767915	1991	2945091	42093	23136993	17472	6364201	2818	3522160

Annexure-III referred in the reply to Lok Sabha Unstarred Question No. 860 due for
reply on 28/04/2016

State-wise water quality affected habitations as reported by States into online IMIS as
on 1/4/2015

Financial Year:-AsOn (01/04/15) State:-All State

S.No.	State	Contamination Wise Number Of Habitations & Population											
		Total		Fluoride		Arsenic		Iron		Salinity		Nitrate	
		Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population
1	ANDAMAN and NICOBAR	0	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	593	456043	402	303934	0	0	18	10788	164	137651	9	3670
3	ARUNACHAL PRADESH	82	24326	0	0	0	0	82	24326	0	0	0	0
4	ASSAM	8977	3350893	112	52353	290	102557	8575	3195983	0	0	0	0
5	BIHAR	3519	2392466	498	267145	66	91705	2955	2033616	0	0	0	0
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0	0
7	CHATTISGARH	1841	519626	78	20750	0	0	1742	482412	21	16464	0	0
8	DADRA & NAGAR HAVELI	0	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	21	47171	6	19089	0	0	0	0	2	4949	13	23133
12	HARYANA	13	57379	10	35185	0	0	1	6705	2	15489	0	0
13	HIMACHAL PRADESH	0	0	0	0	0	0	0	0	0	0	0	0
14	JAMMU AND KASHMIR	6	15838	1	6227	0	0	5	9611	0	0	0	0
15	JHARKHAND	33	4967	10	1975	0	0	23	2992	0	0	0	0
16	KARNATAKA	2365	1988605	1225	1052192	9	14603	366	273313	201	152846	564	495651
17	KERALA	751	1695668	95	260499	0	0	508	1120604	108	215368	40	99197
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH	653	262625	405	155310	0	0	221	88383	27	18932	0	0
20	MAHARASHTRA	609	1469300	191	489707	0	0	62	174226	162	280597	194	524770
21	MANIPUR	0	0	0	0	0	0	0	0	0	0	0	0
22	MEGHALAYA	31	16521	0	0	0	0	31	16521	0	0	0	0
23	MIZORAM	0	0	0	0	0	0	0	0	0	0	0	0
24	NAGALAND	66	120133	0	0	0	0	59	106051	0	0	7	14082
25	ODISHA	4979	1283025	252	47385	0	0	4134	1060449	586	172092	7	3099
26	PUDUCHERRY	0	0	0	0	0	0	0	0	0	0	0	0
27	PUNJAB	1850	1929124	257	312862	178	212349	1225	1208176	18	13344	172	182393
28	RAJASTHAN	22254	8975350	7056	4553300	0	0	14	11351	13814	3248413	1370	1162286
29	SIKKIM	0	0	0	0	0	0	0	0	0	0	0	0
30	TAMIL NADU	352	168287	0	0	0	0	301	147527	50	20468	1	292
31	TELANGANA	1342	1913693	967	1391505	0	0	45	53403	192	287389	138	181396
32	TRIPURA	4550	2010755	0	0	0	0	4550	2010755	0	0	0	0
33	UTTAR PRADESH	418	328777	145	121707	39	55594	29	44527	203	103184	2	3765
34	UTTARAKHAND	27	109664	2	10889	0	0	22	85965	0	0	3	12810
35	WEST BENGAL	11429	9726690	1015	605644	1218	1756010	9128	7284678	67	79615	1	743
	Total	66761	38866926	12727	9707658	1800	2232818	34096	19452362	15617	4766801	2521	2707287

Annexure-IV referred in the reply to Lok Sabha Unstarred Question No. 860 due for
reply on 28/04/2016

State-wise water quality affected habitations as reported by States into online IMIS as
on 01/04/2016(provisional)

S. N.	State	Contamination Wise Number Of Habitations & Population											
		Total		Fluoride		Arsenic		Iron		Salinity		Nitrate	
		Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population	Habs	Population
1	AND. and NICO	0	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	558	413709	391	280090	0	0	18	10788	141	119301	8	3530
3	ARUNACHAL PRADESH	75	20174	0	0	0	0	75	20174	0	0	0	0
4	ASSAM	8714	3238280	109	50645	279	98604	8326	3089031	0	0	0	0
5	BIHAR	2013	1202309	349	207658	34	65007	1630	929644	0	0	0	0
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0	0
7	CHATTISGARH	1513	454259	19	4236	0	0	1473	433559	21	16464	0	0
8	DADRA & NAGAR HAVELI	0	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	0	0	0	0	0	0	0	0	0	0	0	0
12	HARYANA	13	57379	10	35185	0	0	1	6705	2	15489	0	0
13	HIMACHAL PRADESH	0	0	0	0	0	0	0	0	0	0	0	0
14	JAMMU AND KASHMIR	4	10699	1	6227	0	0	3	4472	0	0	0	0
15	JHARKHAND	33	4967	10	1975	0	0	23	2992	0	0	0	0
16	KARNATAKA	1219	764486	611	380709	4	7424	201	114382	81	34115	322	227856
17	KERALA	676	1529294	74	212645	0	0	455	1004517	108	215368	39	96764
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH	353	124399	228	82801	0	0	99	23880	26	17718	0	0
20	MAHARASHTRA	466	1162234	129	356769	0	0	48	157298	151	249262	138	398905
21	MANIPUR	0	0	0	0	0	0	0	0	0	0	0	0
22	MEGHALAYA	31	16521	0	0	0	0	31	16521	0	0	0	0
23	MIZORAM	0	0	0	0	0	0	0	0	0	0	0	0
24	NAGALAND	26	57158	0	0	0	0	23	47581	0	0	3	9577
25	ODISHA	4460	1144499	101	20436	0	0	3786	956680	566	164284	7	3099
26	PUDUCHERRY	0	0	0	0	0	0	0	0	0	0	0	0
27	PUNJAB	1827	1913017	254	309242	175	210349	1211	1199313	18	13344	169	180769
28	RAJASTHAN	21707	8505831	6782	4254565	0	0	13	9882	13609	3137509	1303	1103875
29	SIKKIM	0	0	0	0	0	0	0	0	0	0	0	0
30	TAMIL NADU	351	167926	0	0	0	0	300	147166	50	20468	1	292
31	TELANGANA	1197	1628669	852	1175928	0	0	43	41540	170	240780	132	170421
32	TRIPURA	4043	1760710	0	0	0	0	4043	1760710	0	0	0	0
33	UTTAR PRADESH	251	249399	99	97354	36	53572	23	42231	92	53075	1	3167
34	UTTARAKHAND	22	102582	1	8126	0	0	18	81646	0	0	3	12810
35	WEST BENGAL	9982	8350425	990	576770	778	1209946	8151	6487881	62	75085	1	743
	Total	59534	32878926	11010	8061361	1306	1644902	29994	16588593	15097	4372262	2127	2211808

Annexure-V referred in the reply to Lok Sabha Unstarred Question No. 860 due for reply on 28/04/2016

State-wise heavy metals affected habitations as reported by States into online IMIS during 2012-13

S.No.	State	Number of Heavy metals affected rural habitations during 2012-13 (As per laboratory testing)										Quality affected Habitations
		Manganese	Copper	Aluminium	Mercury	Uranium	Lead	Cadmium	Chromium	Selenium	Zinc	
1	ANDAMAN & NICOBAR	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	100	1	0	0	0	0	0	0	0	0	101
3	ARUNACHAL PRADESH	1	1	1	0	0	0	0	0	0	0	3
4	ASSAM	14	2	6	0	0	0	0	0	0	0	22
5	BIHAR	21	3	13	0	0	0	0	0	0	0	37
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0
7	CHATTISGARH	0	0	0	0	0	0	0	0	0	0	0
8	DADRA & NAGAR	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	23	4	6	0	0	0	0	0	0	0	33
12	HARYANA	1	1	0	0	0	0	0	0	0	0	2
13	HIMACHAL PRADESH	9	16	78	0	0	0	0	0	0	0	82
14	JAMMU AND KASHMIR	7	0	8	0	0	1	1	3	0	0	19
15	JHARKHAND	10	13	3	0	0	0	0	0	0	0	25
16	KARNATAKA	10	3	0	0	0	0	0	0	0	0	13
17	KERALA	6	18	0	0	0	0	0	0	0	0	24
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH	33	15	25	0	0	0	0	0	0	0	71
20	MAHARASHTRA	11	5	20	0	0	0	0	0	0	0	36
21	MANIPUR	0	0	0	0	0	0	0	0	0	0	0
22	MEGHALAYA	0	0	0	0	0	0	0	0	0	0	0
23	MIZORAM	0	0	0	0	0	0	0	0	0	0	0
24	NAGALAND	0	0	0	0	0	0	0	0	0	0	0
25	ODISHA	0	0	0	0	0	0	0	0	0	0	0
26	PUDUCHERRY	0	0	0	0	0	0	0	0	0	0	0
27	PUNJAB	14	0	199	12	171	297	76	3	151	1	846
28	RAJASTHAN	0	0	0	0	0	0	0	0	0	0	0
29	SIKKIM	0	0	0	0	0	0	0	0	0	0	0
30	TAMIL NADU	10	0	1	0	0	0	0	0	0	0	11
31	TRIPURA	8	0	2	0	0	0	0	0	0	0	10
32	UTTAR PRADESH	7	5	5	0	0	0	0	0	0	0	17
33	UTTARAKHAND	15	0	2	0	0	0	0	0	0	0	17
34	WEST BENGAL	13	36	1	0	0	0	0	0	0	0	50
Total		313	123	370	12	171	298	77	6	151	1	1419

Annexure-VI referred in the reply to Lok Sabha Unstarred Question No. 860 due for reply on 28/04/2016

State-wise heavy metals affected habitations as reported by States into online IMIS during 2013-14

S.No.	State	Number of Heavy metals affected rural parameters (As per laboratory testing) during 2013-14										Quality affected Habitations
		Manganese	Copper	Aluminium	Mercury	Uranium	Lead	Cadmium	Chromium	Selenium	Zinc	
1	ANDAMAN & NICOBAR	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	76	0	0	0	0	0	0	0	0	0	76
3	ARUNACHAL PRADESH	2	0	0	0	0	0	0	0	0	0	2
4	ASSAM	87	3	5	0	0	0	0	0	0	0	95
5	BIHAR	15	0	0	0	0	0	0	0	0	0	15
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0
7	CHATTISGARH	0	0	0	0	0	0	0	0	0	0	0
8	DADRA & NAGAR	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	1	2	0	0	0	0	0	0	0	0	3
12	HARYANA	0	0	0	0	0	0	0	0	0	0	0
13	HIMACHAL PRADESH	24	1	11	0	0	0	0	0	0	0	35
14	JAMMU & KASHMIR	14	1	12	0	0	0	1	0	0	0	27
15	JHARKHAND	4	1	1	0	0	0	0	0	0	0	6
16	KARNATAKA	11	3	0	0	0	0	0	0	0	0	14
17	KERALA	40	14	0	0	0	0	0	0	0	0	54
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH	31	2	1	0	0	0	0	0	0	0	34
20	MAHARASHTRA	625	2	1	0	0	0	0	0	0	0	627
21	MANIPUR	11	0	1	0	0	0	0	0	0	0	12
22	MEGHALAYA	0	0	0	0	0	0	0	0	0	0	0
23	MIZORAM	5	0	1	0	0	0	0	0	0	0	6
24	NAGALAND	0	0	0	0	0	0	0	0	0	0	0
25	ODISHA	0	0	0	0	0	0	0	0	0	0	0
26	PUDUCHERRY	0	0	0	0	0	0	0	0	0	0	0
27	PUNJAB	4	1	699	21	46	562	107	42	275	0	1653
28	RAJASTHAN	0	0	0	0	0	0	0	0	0	0	0
29	SIKKIM	1	0	0	0	0	0	0	0	0	0	1
30	TAMIL NADU	41	0	2	0	0	0	0	0	0	0	43
31	TRIPURA	349	2	2	0	0	0	0	0	0	0	353
32	UTTAR PRADESH	171	3	13	0	0	0	0	0	0	0	184
33	UTTARAKHAND	2	0	1	0	0	0	0	0	0	0	3
34	WEST BENGAL	10	0	0	0	0	0	0	0	0	0	10
Total		1524	35	750	21	46	562	108	42	275	0	3253

Annexure-VII referred in the reply to Lok Sabha Unstarred Question No. 860 due for reply on 28/04/2016

State-wise heavy metals affected habitations as reported by States into online IMIS during 2014-15

S.No	State	Heavy metal parameters (As per laboratory testing)										Quality affected Habitations
		Manganese	Copper	Aluminium	Mercury	Uranium	Lead	Cadmium	Chromium	Selenium	Zinc	
1	ANDAMAN & NICOBAR	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	14	0	0	0	0	0	0	0	0	0	14
3	ARUNACHAL PRADESH	11	1	2	0	0	0	0	0	0	0	13
4	ASSAM	1279	0	0	0	0	0	0	0	0	0	1279
5	BIHAR	0	0	0	0	0	0	0	0	0	0	0
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0
7	CHATTISGARH	0	0	0	0	0	0	0	0	0	0	0
8	DADRA & NAGAR	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	0	0	0	0	0	0	0	0	0	0	0
12	HARYANA	19	0	1	0	0	0	0	0	0	0	20
13	HIMACHAL PRADESH	0	0	0	0	0	0	0	0	0	0	0
14	JAMMU & KASHMIR	0	1	2	0	0	0	0	0	0	0	2
15	JHARKHAND	3	3	3	0	0	0	0	0	0	0	7
16	KARNATAKA	85	2	3	0	0	0	0	0	0	0	89
17	KERALA	29	0	1	0	0	0	0	0	0	0	30
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH	1	0	0	0	0	0	0	0	0	0	1
20	MAHARASHTRA	0	0	0	0	0	0	0	0	0	0	0
21	MANIPUR	8	0	2	0	0	0	0	0	0	0	10
22	MEGHALAYA	3	0	0	0	0	0	0	0	0	0	3
23	MIZORAM	0	0	0	0	0	0	0	0	0	0	0
24	NAGALAND	0	0	0	0	0	0	0	0	0	0	0
25	ODISHA	0	0	0	0	0	0	0	0	0	0	0
26	PUDUCHERRY	0	0	0	0	0	0	0	0	0	0	0
27	PUNJAB	3	0	700	15	253	494	38	17	249	0	1641
28	RAJASTHAN	0	0	0	0	0	0	0	0	0	0	0
29	SIKKIM	0	0	0	0	0	0	0	0	0	0	0
30	TAMIL NADU	0	0	0	0	0	0	0	0	0	0	0
31	TELANGANA	7	0	0	0	0	0	0	0	0	0	7
32	TRIPURA	614	0	1	0	0	0	0	0	0	0	615
33	UTTAR PRADESH	67	3	1	0	0	0	0	0	0	0	70
34	UTTARAKHAND	1	0	0	0	0	0	0	0	0	0	1
35	WEST BENGAL	5152	0	0	0	0	0	0	0	0	0	5152
	Total	7296	10	716	15	253	494	38	17	249	0	8954

Annexure-VIII referred in the reply to Lok Sabha Unstarred Question No. 860 due for reply on 28/04/2016

State-wise heavy metals affected habitations as reported by States into online IMIS during 2015-16 (provisional)

S.No.	State	Heavy metal parameters (As per laboratory testing)										Quality affected Habitations
		Manganese	Copper	Aluminium	Mercury	Uranium	Lead	Cadmium	Chromium	Selenium	Zinc	
1	ANDAMAN NICOBAR	0	0	0	0	0	0	0	0	0	0	0
2	ANDHRA PRADESH	17	2	0	0	0	0	0	0	0	0	19
3	ARUNACHAL PRADESH	4	0	5	0	0	0	0	0	0	0	8
4	ASSAM	692	1	4	0	0	0	0	0	0	0	696
5	BIHAR	0	0	0	0	0	0	0	0	0	0	0
6	CHANDIGARH	0	0	0	0	0	0	0	0	0	0	0
7	CHATTISGARH	0	0	0	0	0	0	0	0	0	0	0
8	DADRA NAGAR HAVELI	0	0	0	0	0	0	0	0	0	0	0
9	DAMAN & DIU	0	0	0	0	0	0	0	0	0	0	0
10	GOA	0	0	0	0	0	0	0	0	0	0	0
11	GUJARAT	0	0	0	0	0	0	0	0	0	0	0
12	HARYANA	4	0	1	0	0	0	0	0	0	0	5
13	HIMACHAL PRADESH	0	0	0	0	0	0	0	0	0	0	0
14	JAMMU AND KASHMIR	1	1	5	0	0	0	0	0	1	0	8
15	JHARKHAND	4	2	0	0	0	0	0	0	0	0	5
16	KARNATAKA	147	1	1	0	0	0	0	0	0	0	149
17	KERALA	20	1	1	0	0	0	0	0	0	0	22
18	LAKSHADWEEP	0	0	0	0	0	0	0	0	0	0	0
19	MADHYA PRADESH	59	0	0	0	0	0	0	0	0	0	59
20	MAHARASHTRA	0	0	0	0	0	0	0	0	0	0	0
21	MANIPUR	0	0	0	0	0	0	0	0	0	0	0
22	MEGHALAYA	1	0	0	0	0	0	0	0	0	0	1
23	MIZORAM	5	0	0	0	0	0	0	0	0	0	5
24	NAGALAND	0	0	0	0	0	0	0	0	0	0	0
25	ODISHA	2	0	0	0	0	0	0	0	0	0	2
26	PUDUCHERRY	0	0	0	0	0	0	0	0	0	0	0
27	PUNJAB	40	0	67	5	0	46	3	1	36	0	193
28	RAJASTHAN	4	1	1	0	0	0	0	0	0	0	6
29	SIKKIM	0	0	0	0	0	0	0	0	0	0	0
30	TAMIL NADU	3	1	1	0	0	0	0	1	0	0	5
31	TELANGANA	5	0	0	0	0	0	0	0	0	0	5
32	TRIPURA	355	0	1	0	0	0	0	0	0	0	355
33	UTTAR PRADESH	31	1	1	0	0	0	0	0	0	0	33
34	UTTARAKHAND	0	0	0	0	0	0	0	0	0	0	0
35	WEST BENGAL	4634	0	0	0	0	0	0	0	0	0	4634
Total		6028	11	88	5	0	46	3	2	37	0	6210

Annexure-IX

Allocation, Release & Expenditure under NRDWP for 2012-13, 2013-14, 2014-15 and 2015-16 as reported on online IMIS of the Ministry of Drinking Water & Sanitation

(Amount in Rs. Crores)

S.No.	State	2012-13			2013-14			2014-15			2015-16 as on 31.3.2016		
		Alloc.	Release	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.	Alloc.	Rel.	Exp.
1	Andaman and Nicobar	1.15	0.78	0	1.04	0.09	0.64	0.86	0.81	0.43	0.38	0	0
2	Andhra Pradesh	563.39	485.14	672.82	635.44	631.52	662.4	364.3	377.78	427.08	156.69	190.54	190.60
3	Arunachal Pradesh	145.32	223.22	220.65	201.23	237.32	230.97	64.21	109.83	119.5	58.08	53.79	53.79
4	Assam	525.71	659.21	594.02	470	514.98	635.18	501.1	545.87	586.88	261.73	120.28	120.28
5	Bihar	484.24	224.3	293.09	432.38	338.95	307.43	441.07	340.48	381.9	229.60	287.43	287.43
6	Chandigarh	0	0	0	0	0	0	0	0	0	0.00	0	0
7	Chattisgarh	168.89	148.64	162.85	136.13	135.2	172.38	159.08	150.74	165.22	63.69	43.72	43.72
8	Dadra & Nagar Haveli	0	0	0	0	0	0	0	0	0	0.00	0	0
9	Daman & Diu	0	0	0	0	0	0	0	0	0	0.00	0	0
10	Goa	6.07	0.03	0	5.5	0	2.22	4.61	0	0	2.08	0	0
11	Gujarat	578.29	717.47	797.93	533.73	515.07	627.95	509.48	405.58	491.44	230.67	224.33	224.33
12	Haryana	250.24	313.41	275.54	229.46	229.52	301.15	213.04	277.98	228.82	97.65	104.33	104.33
13	Himachal Pradesh	153.59	129.9	124.06	138.51	130.81	153.33	131.84	120.89	120.18	59.58	57.65	57.65
14	Jammu And Kashmir	510.76	474.5	488.09	462.43	414.82	499.79	441.33	474.41	458.03	199.40	162.09	162.09
15	Jharkhand	191.86	243.43	204.87	172.85	243.29	277.96	169.86	175.18	206.88	126.85	94.37	94.37
16	Karnataka	922.67	869.24	874.78	868.76	897.29	928.81	605.38	563.91	622.37	307.62	322.47	322.47
17	Kerala	193.59	249.04	193.62	155.58	212.04	265.1	115.59	124.1	131.86	52.78	54.19	54.19
18	Lakshadweep	0	0	0	0	0	0	0	0	0	0.00	0	0
19	Madhya Pradesh	447.33	539.56	430.27	404.81	474.95	483.98	397.18	440.18	399.94	181.76	287.89	290.98
20	Maharashtra	897.96	846.48	612.61	788.48	690.27	657.46	780.06	748.23	901.96	344.16	454.07	454.07
21	Manipur	69.99	66.21	55.54	58.75	55.3	57.17	90.35	88.54	92.25	28.98	34.65	43.44
22	Meghalaya	73.96	97.61	101.44	92.18	103.4	114.81	44.61	69.5	81.02	30.52	25.07	25.07
23	Mizoram	48.35	47.92	33.88	38.41	44.89	33.37	42.43	34.5	39.81	17.71	14.97	14.97
24	Nagaland	110.25	110.2	108.56	56.66	61.07	52.38	103.19	101.44	86.45	35.27	61.9	61.9
25	Odisha	243.91	210.58	249.39	227.35	317.07	288.08	205.69	230.67	257.29	96.90	130.93	130.93
26	Puducherry	1.75	0.88	0	1.59	0.06	0	1.62	0	0	0.72	0	0
27	Punjab	101.9	144.27	121.22	96.89	147.95	159.05	93.88	97.38	90.23	39.77	36.57	36.57
28	Rajasthan	1352.54	1411.36	1417.01	1231.05	1332.49	1572.96	1194.46	1304.64	1386.79	547.18	388.69	388.69
29	Sikkim	36.69	32.36	38.89	16.88	26.56	71.25	30.38	31.7	32.03	10.64	9.3	12.34
30	Tamil Nadu	394.82	570.17	625	273.63	387.11	527.57	367.36	382.46	432.39	137.50	130.16	130.16
31	Telangana	--	--	--	--	--	--	200.65	212.24	189.25	88.77	106.42	106.42
32	Tripura	70.66	100.59	99.36	59.29	89.93	94.19	62.06	68.31	64.81	28.08	39.97	39.97
33	Uttar Pradesh	1060.87	980.06	600.77	923.18	794.93	858.5	962.43	1036.3	1146.18	477.69	483.34	483.34
34	Uttarakhand	159.74	74.28	147.99	145.58	87.61	138.59	135.01	111.48	152.94	63.57	90.52	90.52
35	West Bengal	523.53	502.36	536.43	490.63	485.83	757.11	436.53	431.09	480.72	199.68	288.75	288.75
Total		10290.02	10473.2	10080.68	9348.4	9600.32	10931.78	8869.64	9056.22	9774.65	4175.70	4264.58	4313.37

