

**GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH AND FAMILY WELFARE**

**LOK SABHA
UNSTARRED QUESTION NO. 3343
TO BE ANSWERED ON 5TH AUGUST, 2016**

FLOURIDE IN WATER

**3343. SHRIMATI KIRRON KHER:
SHRI NANDI YELLAIAH:**

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

- (a) whether many districts are heavily affected with extreme fluoride in water causing fluorosis, if so, the details thereof, State/UT-wise including Telangana and Chandigarh;
- (b) the number of persons affected by fluorosis, including the children suffer from dental, skeletal and non-skeletal fluorosis in the country, State/UT-wise;
- (c) whether the Government implements a National Programme for Prevention and Control of Fluorosis;
- (d) if so, the details thereof and the funds allocated/released/utilised during the last three years, State/UT-wise; and
- (e) the steps taken by the Government to save the people from contaminated drinking water and from such diseases?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(SMT. ANUPRIYA PATEL)**

(a): Several districts in the country have Fluoride in excess of the permissible limit in drinking water, leading to condition known as Fluorosis (Dental, Skeletal and Non-Skeletal Fluorosis). As per Integrated Management Information System (IMIS) of Ministry of Drinking Water and Sanitation as on date, there are about 13,907 habitations in various States with high Fluoride content in the drinking water. About 114.6 lakh persons living in these areas are at risk of Fluorosis. The details of such habitations and persons living in these areas, State/UT-wise including Telangana and Chandigarh are at **Annexure-I**.

(b): As per school and community surveys conducted by the States under National Programme for Prevention and Control of Fluorosis (NPPCF), approximately 2.46 lakh persons including the children are suspected to be affected by Fluorosis. State-wise details are at **Annexure-II**.

(c) & (d) Yes. The Government of India initiated the National Programme for Prevention and Control of Fluorosis (NPPCF) in 2008-09 with an aim to prevent and control fluorosis in the country. At present, the programme is under implementation in 116 districts of 19 States.

The important components of the programme are surveillance of fluorosis in the community, capacity building in the form of training and manpower support, establishment of diagnostic facilities, health education and management of fluorosis cases including treatment, surgery, rehabilitation. Statement showing funds released/utilized from 2008-09 onwards, State-wise, under the programme is at **Annexure-III**.

(e): 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. However, since these projects may take a long gestation period(say 3-5 years) and the people cannot be put to risk of consuming contaminated water, all States have been advised to install community water purification plants, especially in arsenic and fluoride affected habitations, as a short term immediate measure for providing 8-10 lpcd(litre per capita per day) of safe water for drinking and cooking purpose only. Niti Ayog has also provided funds to the tune of Rs.800.00 Crores during financial year 2015-16 for commissioning community water purification plants in all remaining arsenic and fluoride affected habitation as short terms immediate measures.

Efforts are also made to spread awareness regarding problems due to water contamination such as Fluoride through mass media as well as local media in affected areas.

Format C17 A- No Of Quality Affected Habitations & Population As On Date

S.No.	State	Total		Fluoride	
		Habitations	Population	Habitations	Population
1	ANDAMAN and NICOBAR	0	0	0	0
2	ANDHRA PRADESH	571	440600	491	344134
3	ARUNACHAL PRADESH	57	13872	0	0
4	ASSAM	8840	3365518	155	69520
5	BIHAR	5574	5277801	1087	1356585
6	CHANDIGARH	0	0	0	0
7	CHATTISGARH	1148	364649	75	27669
8	DADRA & NAGAR HAVELI	0	0	0	0
9	DAMAN & DIU	0	0	0	0
10	GOA	0	0	0	0
11	GUJARAT	17	24347	11	20086
12	HARYANA	209	525604	200	505875
13	HIMACHAL PRADESH	0	0	0	0
14	JAMMU AND KASHMIR	5	2336	0	0
15	JHARKHAND	6834	2261672	998	519604
16	KARNATAKA	2136	1522187	1065	628397
17	KERALA	656	1497936	73	210067
18	LAKSHADWEEP	0	0	0	0
19	MADHYA PRADESH	193	72111	148	52751
20	MAHARASHTRA	394	823019	100	221161
21	MANIPUR	0	0	0	0
22	MEGHALAYA	10	7621	0	0
23	MIZORAM	0	0	0	0
24	NAGALAND	43	21597	0	0
25	ODISHA	2799	836031	70	27325
26	PUDUCHERRY	0	0	0	0
27	PUNJAB	3770	4420716	285	339117
28	RAJASTHAN	20895	8618557	6855	4773509
29	SIKKIM	0	0	0	0
30	TAMIL NADU	351	167926	0	0
31	TELANGANA	1484	2175382	1041	1420415
32	TRIPURA	4019	1739987	0	0
33	UTTAR PRADESH	361	523745	200	328219
34	UTTARAKHAND	18	89951	0	0
35	WEST BENGAL	10004	8174134	1053	618002
	Total	70388	42967299	13907	11462436

State wise details of Fluorosis cases as per information received from States

S.No.	State	No. of districts under NPPCF #	No. of Fluorosis cases (Suspected cases)		Total
			Dental	Skeletal	
1.	West Bengal	5	13483	433	13916
2.	Uttar Pradesh	5	-	-	34541 *
3.	Jharkhand	4	836	270	1106
4.	Rajasthan	25	20976	558	21534
5.	Andhra Pradesh	3	6607	171	6778
6.	Telangana	3	31324	2397	33721
7.	Bihar	10	13455	3079	21598
8.	Gujarat	4	2460	-	2460
9.	Odisha	3	2848	1762	4610
10.	Madhya Pradesh	14	43574	96	43670
11.	Karnataka	18	8095	728	8823
12.	Assam **	4	6047	480	6527
13.	Chhattisgarh **	4	1449	05	1454
14.	Haryana **	2	3852	55	3907
15.	Kerala **	2	9637	1	9638
16.	Maharashtra **	6	8983	1577	10560
17.	Punjab **	2	11501	58	11559
18.	Tamilnadu **	1	35591	13834	49425
19.	Jammu & Kashmir **	1	-	-	-
TOTAL		116	220718	25504	246222

National Programme for Prevention and Control of Fluorosis (NPPCF)

Statement showing the Fund released and Expenditure under NPPCF

Name of the State	Fund released (Rs. in lakh)								Total Released	Total Expenditure
	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16		
1.Andhra Pradesh.	31.66	0.00	42.10	42.10	0.00	0.00	16.30	0.00	132.16	63.00
2. Telangana*	0.00	25*	42.10*	65.02*	0.00	0.00	14.80	0.00	14.80	#108.76
3.Assam	0.00	25.00	84.20	0.00	0.00	9.97	18.78	92.32	230.27	230.27
4.Bihar	0.00	25.00	294.70	84.20	0.00	0.00	0.00	3.66	407.56	37.90
5.Chhattisgarh	0.00	25.00	0.00	0.00	0.00	29.50	0.00	0.00	54.50	17.65
6.Gujarat	31.66	0.00	42.10	0.00	0.00	37.30	15.00	119.56	245.62	152.84
7.Haryana	0.00	0.00	84.20	0.00	0.00	0.00	0.00	0.00	84.20	44.03
8.Jharkhand	0.00	25.00	84.20	42.10	0.00	0.00	0.00	0.00	151.30	37.82
9.Karnataka	0.00	50.00	168.40	505.20	0.00	3.82	32.24	0.00	759.66	450.00
10.Kerala	0.00	25.00	0.00	42.10	0.00	1.26	14.57	0.00	82.93	54.33
11.Madhya Pd.	31.66	0.00	168.40	25.88	378.90	0.00	0.00	280.00	884.84	361.44
12.Maharashtra	0.00	50.00	126.30	42.10	0.00	0.00	32.86	0.00	251.26	64.26
13. Odisha	31.66	0.00	84.20	0.00	0.00	0.00	0.00	0.00	115.86	27.13
14.Punjab	0.00	25.00	42.10	0.00	0.00	0.00	0.00	0.00	67.10	39.24
15. Rajasthan	31.66	0.00	210.50	421.00	0.00	60.40	75.00	460.00	1258.56	1113.02
16. Tamilnadu	31.66	0.00	0.00	9.30	0.00	17.93	0.00	0.00	58.89	58.63
17. Uttar Pradesh	0.00	50.00	84.20	42.10	0.00	0.00	18.81	0.00	195.11	124.04
18. West Bengal	0.00	25.00	126.30	42.10	28.00	0.00	0.00	92.00	313.40	275.12
19. Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	22.50	0.00	0.00	22.50	0.00

* Though Telangana State was not in existence from 2009-10 to 2012-13 , funds were released to District Nalgonda of the then Andhra Pradesh and now this district is in Telangana.

#The total expenditure of Rs.108.76 lakh is out of the releases made to the different districts, which are presently in Telengana, but were earlier in Andhra Pradesh.