

(b) what is the prevalence rate of sickle cell disease among the tribals, State-wise list; and

(c) what are the measures taken by Government to address the problem?

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI FAGGAN SINGH KULASTE): (a) Sickle Cell Disease is a major genetic blood disorder affecting large number of tribal population in different States of the country.

(b) State-wise prevalence rate of sickle cell disease among the tribal population is not known in a definite manner as no such database is maintained Centrally. However certain studies undertaken by ICMR show that the prevalence across the country is 5-34% (as per document on Sickle Cell Anaemia Control Program published by State Government of Gujarat).

(c) Public Health is a State subject. However, keeping in view of the burden of disease, National Health Mission has prepared a comprehensive Guideline to control and prevent Haemoglobinopathies including Sickle Cell Disease and disseminated to the States. This includes prenatal counselling and setting up of early intervention centres to prevent and transfer of the disease.

In consultation with Department of Health Research, Ministry of Tribal Affairs has drafted and circulated a Guideline on Sickle Cell Disease with a protocol for premarital counselling of people with sickle cell trait (carrier). It has also suggested sample cards to show the sickle cell status of the person concerned-SCD/SCT. Advisories have been issued to all the State Governments and UTs.

There is plan to screen 3 crore ST children and youth across country for sickle cell disease. Apart from this, in case one individual is identified in the family, then other family members will also be screened. About 1.1 crore children and youth have been screened so far.

Toxins in aerated drinks

775. SHRIMATI WANSUK SYIEM: Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:

(a) whether a Government study commissioned by the Drug Technical Advisory Board has found five different toxins-heavy metals, antimony, lead, chromium and cadmium-in aerated drinks produced by two major multinational companies in India;

(b) whether these toxins were found to have been leached into the liquid contents from the pet bottles in which they are filled; and

(c) whether these contaminated samples of aerated drinks tested by All India Institute of Hygiene and Public Health have further been subjected to cross checking by the National Test House, Kolkata; and if so, the details thereof?

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND FAMILY WELFARE (SHRI FAGGAN SINGH KULASTE): (a) to (c) The All India Institute of Hygiene and Public Health (AIHH&PH), Kolkata, had conducted a study on leaching of toxics from bottles used for packaging of soft drinks. AIHH and PH entered into a Memorandum of Understanding with the National Test House (NTH), Kolkata for testing/estimation. Samples of five different cold drinks *viz.*, Sprite, Mountain Dew, 7UP, Pepsi and Coca Cola, were selected by the stratified sampling method and the samples were submitted to NTH for testing. Findings of NTH are given in the Statement.

Statement

Details of findings of NTH regarding samples of five different cold drinks submitted to it for testing

(A) Table: 1 Heavy metals and DEHP concentrations in Sprite (soft drink)

Item description: sample of Sprite (soft drink) in bottle (4x600 ml), Batch No. /LOT No. 2926

Test Description (National Test House)	Certificate No.	Date of issue		Code No.	
	NTH(ER)/ CH(S)/2016/0029E	08.03.2016		1454064260750	
Storage Parameters	Toxic Substance (mg/l)				
	Antimony	Lead	Cadmium	Chromium	DEHP
Sample in Bottle as received by the Lab.	0.015	0.007	0.003	0.015	0.016
40 deg C for 10 days.	0.019	0.009	0.006	0.016	0.019
60 deg C for 10 days	0.020	0.009	0.008	0.022	0.021
Permissible Limit	NA	NA	NA	NA	NA
Remarks Safety Limits available for bottled water	0.005	0.010	0.003	0.050	0.006
Reference Standards	(BIS)IS 13428:2005, IS 14543: 2004) ¹	(BIS)IS 13428:2005, IS 14543: 2004) ¹	(BIS)IS 13428:2005, IS 14543: 2004) ¹	(BIS)IS 13428:2005, IS 14543: 2004) ¹	US-EPA ²

(B) Table: 2 Heavy metals and DEHP concentrations in Mountain Dew (soft drink):

Item description: sample of Mountain Dew received in 4 nos (600 ml) bottles having Batches No./Lot No. BN5255C30J15

Test Description	Certificate no.	Date of Issue		Code No.	
(National Test House)	NTH(ER)/ CH(S)/2016/0029C	8.3.2016		1454064260750	
Storage Parameters	Toxic Substance (mg/L)				
	Antimony	Lead	Cadmium	Chromium	DEHP
Sample in Bottle as received by the Lab.	0.012	0.006	0.016	0.017	0.014
40 deg C for 10 days.	0.018	0.007	0.019	0.017	0.016
60 deg C for 10 days	0.021	0.009	0.02	0.018	0.018
Permissible Limit	NA	NA	NA	NA	NA
Remarks Safety Limits available for bottled water	0.005	0.01	0.003	0.05	0.006
Reference Standards	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	US-EPA ²

(C) Table: 3 Heavy metals and DEHP concentrations in Pepsi (soft drink):

Item description: sample of Pepsi (soft drink): received in bottle (4x600 ml), having Batch No./Lot No.5255C06J15

Test Description	Certificate no.	Date of Issue		Code No.	
(National Test House)	NTH(ER)/ CH(S)/2016/0029A	08.03.2016		1454064260750	
Storage Parameters	Toxic Substance (mg/L)				
	Antimony	Lead	Cadmium	Chromium	DEHP
1	2	3	4	5	6
Sample in Bottle as received by the Lab.	0.029	0.011	0.002	0.017	0.028
40 deg C for 10 days.	0.032	0.012	0.006	0.019	0.033

1	2	3	4	5	6
60 deg C for 10 days	0.043	0.012	0.008	0.019	0.036
Permissible Limit	NA	NA	NA	NA	NA
Remarks Safety Limits available for bottled water	0.005	0.010	0.003	0.050	0.006
Reference Standards	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	US-EPA ²

(D) Table: 4 Heavy metals and DEHP concentrations in 7UP (soft drink):

Item description: sample of 7UP (soft drink): received in bottle (600 ml), having Batch/Lot No.BN5255C23115

Test Description (National Test House)	Certificate no.	Date of Issue	Code No.		
	NTH(ER)/ CH(S)/2016/0029B	08.03.2016	1454064260750		
Storage Parameters	Toxic Substance (mg/L)				
	Antimony	Lead	Cadmium	Chromium	DEHP
Sample in Bottle as received by the Lab.	0.011	0.004	0.012	0.017	0.018
40 deg C for 10 days.	0.011	0.006	0.018	0.022	0.020
60 deg C for 10 days	0.023	0.006	0.020	0.022	0.020
Permissible Limit	NA	NA	NA	NA	NA
Remarks Safety Limits available for bottled water	0.005	0.010	0.003	0.050	0.006
Reference Standards	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	US-EPA ²

(E) Table: 5 Heavy metals and DEHP concentrations in Coca Cola (soft drink):

Item description: sample of Coca Cola(soft drink): received in bottle (600 ml) having Batch/Lot No.1263 (3 Bottles) and B.No. 1258 (1 Bottle)

Test Description (National Test House)	Certificate no.	Date of Issue		Code No.	
	NTH(ER)/ CH(S)/2016/0029D	08.03.2016		1454064260750	
Storage Parameters	Toxic Substance (mg/L)				
	Antimony	Lead	Cadmium	Chromium	DEHP
Sample in Bottle as received by the Lab.	0.006	0.009	0.011	0.026	0.026
40 deg C for 10 days.	0.014	0.011	0.013	0.032	0.028
60 deg C for 10 days	0.019	0.012	0.013	0.033	0.034
Permissible Limit	NA	NA	NA	NA	NA
Remarks Safety Limits available for bottled water	0.005	0.010	0.003	0.050	0.006
Reference Standards	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	(BIS(IS 13428:2005, IS 14543: 2004) ¹	US-EPA ²

1. Bureau of Indian Standards: Indian Standard Packaged natural mineral water specification (second revision) first reprint December 2006, Ics 13.060.20,c bls 200s Bureau of Indian Standards, Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002 is 13428: 2005
2. United States Environmental Protection Agency 2009, National Primary Drinking Water Regulations EPA 816-F-09-004 May 2009.

Dengue and Chikungunya cases in Delhi NCR

776. SHRI NARENDRA KUMAR SWAIN:

SHRI RANJIB BISWAL:

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

(a) whether people of Delhi and National Capital Region were severely affected by Dengue and Chikungunya compared to other parts of the country;

(b) if so, the number of deaths and number of people affected, State-wise in the country; and

(c) whether Government has any road map to check these diseases in future and the details thereof?