

## POLLUTION OF UNDER GROUND WATER

10<sup>th</sup> March, 2015

LSQ 2300

SHRI SENGUTTUVAN B

Will the Minister of **ENVIRONMENT, FORESTS AND CLIMATE CHANGE** be pleased to state:

- whether underground water in and around Ranipet in a radius of 30 KMs is polluted by the discharge of chromium compounds by Tamil Nadu Chromates and Chemicals Ltd. at Ranipet;
- whether as a result of pollution, the underground water has not only been rendered unfit for human consumption but also causes dangerous diseases like cancer;
- if so, whether the Government would take proactive steps to redress the situation and provide the people of the area with safe drinking water; and
- if so, the details thereof and the steps being taken in this regard?

### **MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FORESTS AND CLIMATE CHANGE (SHRI PRAKASH JAVADEKAR)**

(a)to(d) The groundwater monitoring conducted by the Central Pollution Control Board at various locations in Ranipet area during the monitoring of Common Effluent Treatment Plants in the years 2009 and 2010 indicates groundwater contamination due to Hexavalent Chromium near Tamil Nadu Chromates and Chemicals Ltd., Ranipet. The groundwater monitoring results are given at Annexure.

The Ministry of Drinking Water and Sanitation, Government of India is the nodal Ministry for the overall policy, planning, funding and coordination of programmes of drinking water and sanitation in the country.

### **ANNEXURE REFERRED TO IN REPLY TO PART (a) to (d) OF LOK SABHA UNSTARED QUESTION NO. 2300 DUE FOR REPLY ON 10.3.2015 REGARDING POLLUTION OF UNDERGROUND WATER RAISED BY SHRI SENGUTTUVAN B**

#### **Hexavalent Chromium Concentration in Ground Water at various locations in Ranipet area during 2009 and 2010**

**YEAR 2009**

Sl. No.	Sampling locations	Sample type	Hex. Cr. Concentration (mg/L)
1	Arcot Delhi Gate, TWAD water works	Bore Well (BW)	Below Detectable Limit (BDL)
2	Walajapet-Vannivedu, TWAD water works	BW	BDL
3	Ranitec CETP Borewell	BW	BDL
4	Ranipet Good Leather, MBT Road	BW	BDL
5	Ranipet Municipal Water Works	BW	BDL
6	Ranipet Govt. Children's home	BW	BDL
7	Ranipet-Sathiyaganar, 5/155, Thiruvalluvar	Open Well	BDL
8	Ranipet – Vignesh Agency (Near BHEL)	BW	BDL
9	Ranipet SIDCO Phase I CETP	BW	BDL
8	TN Chromate & Chemicals Ltd.	BW	17.7
9	Ranipet Mepudupet CETP	BW	BDL

**Year 2010**

Sl. No.	Sampling locations	Sample type	Hex. Cr. Concentration (mg/L)
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1	Pullianthakal village, Near CETP	BW	<0.01
2	Pullianthakal lake, Chittur Road	LAKE OUTLET	<0.01
3	Pulliankanu Village	OW	<0.01
4	Karai Village, Ranipet Road	Hand Pump	<0.01
5	Vanapadi Road	BW	<0.01
6	Ranipet Municipal Water Works	BW	<0.01
7	TWAD Water Abs point, Delhi gate	BW	<0.01
8	TN Chromate & Chemicals	BW	26
9	TN Chromate & Chemicals – Main gate	BW	<0.01