

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH  
LOK SABHA  
UNSTARRED QUESTION NO. 1639  
(TO BE ANSWERED ON 04.05.2016)**

**NRDC AGREEMENT FOR TEST KIT FOR DRINKING WATER**

**1639. SHRI MANOJ TIWARI:  
SHRI RAM CHARAN BOHRA:**

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether the National Research Development Council (NRDC) has entered into an agreement for commercialisation of test kit for microbiological quality of drinking water;**
- (b) if so, the details thereof and the benefits likely to accrue therefrom;**
- (c) whether it is in compliance with WHO standards; and**
- (d) if so, the details thereof and if not, the steps taken by the Government in this regard?**

**ANSWER**

**MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES  
(SHRI Y. S. CHOWDARY)**

- (a) Yes Madam, NRDC has entered into agreements with 20 companies for commercialization of the process for manufacture of "Test Kit for Microbiological Quality of Drinking Water".**
- (b) The process for manufacture of Test Kit for Microbiological Quality of Drinking Water was developed by Defence Research & Development Establishment (DRDE), Gwalior and the technology was assigned to the Corporation in 1987-88 for commercialization. The Corporation has licensed the process to 20 licensees (list of parties is enclosed as Annexure I).  
It is basically a kit used to test suitability of water for drinking. The kit is used for detection of H<sub>2</sub>S (Hydrogen Sulfide) producing organisms in drinking water, which are present along with Coliforms. These pollutants in the water supply are responsible for causing waterborne diseases like typhoid, cholera, diarrhoea and jaundice. The conventional method of testing the microbiological quality of water requires the services of a qualified microbiologist, laboratory facilities and takes 72 hours to know the result. This test kit does not need any laboratory facility and thus, it is an inexpensive, reliable and convenient method of testing potability of drinking water.**
- (c) WHO has approved this process for testing the microbiological quality of drinking water.**
- (d) The process for testing the microbiological quality of drinking water conforms to the WHO document on "Evaluating household water treatment options: health-based targets and microbiological performance specifications".**

\*\*\*\*\*

**Annexure I****List of NRDC Licensees for Test Kit of Microbiological Quality of Drinking Water developed by DRDE, Gwalior**

<b>No.</b>	<b>LICENSEE</b>	<b>CITY/STATE</b>	<b>Year of Agreement</b>
1	A.P.Industrial Components Ltd	Hyderabad, Andhra Pradesh	1988
2	Ion Exchange (India) Ltd	Patancheru, Andhra Pradesh	1988
3	Watek (India)	Gwalior, Madhya Pradesh	1992
4	Premier Health Care products	Hyderabad, Andhra Pradesh	1996
5	Techno AD System Inc.,	Gwalior, Madhya Pradesh	1998
6	HiMedia Laboratories Ltd	Mumbai, Maharashtra	1999
7	Water Health Laboratories	Roorkee, Uttar Pradesh	1999
8	LTEK Systems	Nagpur, Maharashtra	2000
9	Shrinath Chemicals	Bhopal, Madhya Pradesh	2000
10	Water Tech Engineers,	Hyderabad, Andhra Pradesh	2002
11	H.S. Industries	Ranga Reddy, Andhra Pradesh	2004
12	A.P. Water Testing Equipment Co.	Hyderabad, Andhra Pradesh	2005
13	Abhijit Enterprises	Pune, Maharashtra	2006
14	Technology and Action for Rural Advancement,	New Delhi, Delhi	2007
15	Plasti Surge Industries Ltd	Amravati, Maharashtra	2007
16	Shrinathji Kayakalp Remedies Pvt. Ltd.	Bhopal, Madhya Pradesh	2007
17	S.B. Equipments,	New Delhi, Delhi	2008
18	Galaxy Analytical & Research Services,	Indore, Madhya Pradesh	2008
19	Vishal Pharmaceuticals Laboratories	Indore, Madhya Pradesh	2012
20	Ramashree Chemicals Pvt. Ltd.	Bhopal, Madhya Pradesh	2016