

**GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA**

UNSTARRED QUESTION NO:3614
ANSWERED ON:26.04.2012
NANO TECHNOLOGY FOR PURIFICATION FILTERING WATER
Dashmuni Deepa

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

- (a) whether nano-technology is available in the country for purifying and filtering contaminated water;
- (b) if not, whether the Government proposes to make this technology available to people for purifying contaminated water ; and
- (c) if so, the details thereof?

Answer

MINISTER OF STATE IN THE MINISTRY OF PLANNING; MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY AND MINISTER OF STATE IN THE MINISTRY OF EARTH SCIENCES (ASHWANI KUMAR)

(a): Yes, Madam. Technologies using nano particles have been developed in the country for purifying and filtering contaminated water. These technologies use nano-silver particles. Nano silver coated ceramic candles developed by the International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI), Hyderabad are available in the country for purifying and filtering contaminated water. In the second one, the technology developed by Indian Institute of Technology-Madras (IIT-Madras) uses nano-silver particles along with other compounds for purifying and filtering contaminated water.

(b) & (c): ARCI, Hyderabad has transferred their technology to SBP Aqua Tech Pvt. Limited, Hyderabad. IIT-Madras has transferred their technology to Eureka Forbes Limited. Both these companies are marketing their products for purifying and filtering contaminated water.