

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**LOK SABHA**  
**UNSTARRED QUESTION NO.5124**  
TO BE ANSWERED ON 24.07.2019

**RADIATION TECHNOLOGY FOR SEWAGE TREATMENT**

5124. SHRI HEMANT TUKARAM GODSE:

Will the PRIME MINISTER be pleased to state:

- (a) the details of the cities in the country including in Maharashtra where sewage treatment is being done through radiation technology by the Bhabha Atomic Research Centre (BARC); and
- (b) the steps taken/proposed to be taken by the Government/BARC for popularising this technology?

**ANSWER**

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (Dr. JITENDRA SINGH):

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(a)&(b) Bhabha Atomic Research Centre (BARC) in collaboration with Amdavad Municipal Corporation (AMC), Ahmedabad has set up a Technology Demonstration Pilot Project "Sewage Sludge Hygienisation Plant" at Shahwadi, Ahmedabad. The plant loaded with 150 kCi of Co-60 was inaugurated in February 2019 and is in continuous operation since then.

Another liquid sludge irradiator; Sludge Hygienisation Research Irradiator (SHRI) is operating at Vadodara for radiation treatment of raw sludge containing 3-4% solids since last 30 years.

BARC has not set up any sewage plant in Maharashtra.

BARC has given wide publicity to the use of radiation technology for sewage treatment. BARC outreach programmes have been used as an effective platform to dispense information about this technology through oral presentations, animated videos, posters, demonstrations at different universities and institutions. The technology has been also propagated in scientific and public forums through theme meetings, workshops, seminars, newsletters etc. These efforts have resulted in wide coverage of this technology in print and digital media.

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