

**GOVERNMENT OF INDIA
ATOMIC ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:4235
ANSWERED ON:19.12.2012
TREATMENT OF SEWAGE THROUGH RADIATION
Gaddigoudar Shri P.C.

Will the Minister of ATOMIC ENERGY be pleased to state:

(a) whether Bhabha Atomic Research Centre (BARC) has developed or proposes to develop a technology for treatment of sewage through radiation and its conversion into bio-fertiliser; and

(b) if so, the details thereof and the States where this technology is likely to be used?

Answer

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES & PENSIONS AND PRIME MINISTER'S OFFICE (SHRI V. NARAYANASAMY) :

(a)&(b) Yes Sir. Bhabha Atomic Research Centre (BARC) has developed technology for hygienisation of sewage sludge through treatment by gamma radiation. A technology demonstration plant has been jointly set up at Vadodara in Gujarat by BARC, Vadodara Municipal Corporation and Government of Gujarat and is in operation for about 15 years. The radiation hygienised sludge can be easily converted into bio-fertilizers. Farmers around Vadodara, are using hygienised sludge. Delhi Jal Board has shown interest to set up a similar plant in Delhi.