GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOK SABHA
UNSTARRED QUESTION NO-4341
ANSWERED ON - 26/03/2025

IRRADIATOR DEVELOPED BY BRIT

4341. SHRI MUKESHKUMAR CHANDRAKAANT DALAL

Will the PRIME MINISTER be pleased to state:-

(a) the key features and objectives of the irradiator developed by Board of Radiation and Isotope Technology (BRIT) and its significance for the fisheries and marine sector;
(b) the location and operational status of this first-of-its-kind irradiation plant along with the anticipated benefits to coastal regions, particularly in Gujarat;
(c) the measures undertaken to ensure the efficiency and safety of irradiation processes for marine products;
(d) whether collaborations with the fisheries industry or export agencies have been established to optimize the utilization of this facility and if so, the details thereof; and
(e) the details of the Government's plans to expand such technology to other regions for boosting the quality and export potential of marine products?

ANSWER

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

(a) The objective of the "Low Temperature Irradiator" developed by Board of Radiation & Isotope Technology (BRIT) is to irradiate marine products and increase its shelf life by reducing the microbial load. The most important feature of the irradiator is that the cold chain is maintained during the irradiation.

(b) to (e) The demonstration plant is located in the premises of BRIT Vashi, Navi Mumbai. The plant is currently running under trial mode and various experiments are being conducted by Bhabha Atomic Research Centre. If the trial is successful, the commercial deployment of this technology will be taken up subject to requisite regulatory / statutory clearances and approvals.

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