

GOVERNMENT OF INDIA
DEPARTMENT OF ATOMIC ENERGY
LOKSABHA
UNSTARRED QUESTION NO – 1694
ANSWERED ON 30/07/2025

RADIATION-BASED FOOD PRESERVATION

1694. SHRI SHASHANK MANI

Will the PRIME MINISTER be pleased to state:-

- (a) whether the Government has entered into any Memorandums of Understanding (MoUs) with public or private enterprises or commissioned commercial facilities for the application of radiation-based hurdle technology in food preservation;
- (b) if so, the details of these collaborations including the technologies employed, the scale of operations and their geographical reach?

ANSWER

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

- (a) & (b) Yes, presently 39 Gamma Radiation Processing Plants are operational in the country in private, cooperative, and government sector, out of which 21 plants are capable of carrying out radiation processing of agricultural/food products. The list is as follows:

S. No.	Name of The Plant
1	M/S Organic Green Foods Ltd., Dankuni, Kolkata, West Bengal
2	M/S Gamma Agro Medical Processing, Hyderabad, Telangana
3	M/S Jhunsons Chemicals Pvt Ltd., Bhiwadi, Rajasthan
4	M/S Innova Agri Bio Park Ltd., Malur, Dist. Kolar, Karnataka
5	M/S Hindustan Agro Co-Operative Ltd., Rahuri, Ahmednagar, Maharashtra
6	M/S Impartial Agro Tech (P) Ltd., Unnao, Lucknow, Uttar Pradesh
7	M/S Gujarat Agro Industries Corpn. Ltd, Bavla, Ahmedabad, Gujarat
8	M/S Maharashtra State Agricultural Marketing Board (MSAMB), Vashi, Navi Mumbai, Maharashtra

S. No.	Name of The Plant
9	M/S Aligned Industries, Dharuhera, Haryana
10	M/s Avantee Mega Food Park Pvt. Ltd, Indore, Madhya Pradesh
11	M/s Electro Magnetic Industries, Vadodara
12	M/s Pinnacle Therapeutics Pvt Ltd, Vadodara
13	M/s Jamnadas Industries, Indore, MP
14	M/s Solas Industries, Mathura, U.P.
15	M/s Microtrol Sterilisation Services Pvt. Ltd., Baval, Haryana
16	M/s AV Gamma Tech LLP, Ambernath, Maharashtra
17	Deptt. of Agricultural Marketing and Agri Business (DAMAB), Krishnagiri, Tamil Nadu
18	Infrastructure Development authority, Patna, Bihar
19	M/s LION FOODS PVT. LTD., Gir Somnath, Gujrat
20	Radiation Processing Plant, Vashi, Maharashtra
21	KRUSHAK, Lasalgaon, Nashik, Maharashtra

Radiation processed food products are very safe for human consumption with extended shelf-life and can contribute to reduce post-harvest losses as well. The facilities, mentioned before, are providing radiation processing services as and when demand comes.

Raja Ramanna Centre for Advanced Technology (RRCAT) has developed 10 MeV, 10 kW food irradiation Linac for electron beam radiation processing of food products.

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