

GOVERNMENT OF INDIA
MINISTRY OF FOOD PROCESSING INDUSTRIES
LOK SABHA
UNSTARRED QUESTION NO. 3103
ANSWERED ON - 08.08.2023

INADEQUATE COLD CHAIN INFRASTRUCTURE

**3103. SHRI THIRUNAVUKKARASAR SU:
SHRI RAVNEET SINGH BITTU:**

Will the Minister of **FOOD PROCESSING INDUSTRIES** be pleased to state:

- (a) whether huge losses are being reported in the supply chain of perishables due to inadequate and inefficient cold chain infrastructure in the country;
- (b) if so, the details thereof along with the reasons therefor;
- (c) the progress made so far in the 'Operation Greens' for Integrated Development of Tomato, Onion and Potato (TOP) Value Chain in the country;
- (d) whether any steps are being taken by the Government to improve the supply chain of perishables and the role of technology in perishable food supply chains in the country; and
- (e) if so, the details thereof and if not, the reasons therefor?

ANSWER

THE MINISTER OF STATE FOR FOOD PROCESSING INDUSTRIES
(SHRI PRAHLAD SINGH PATEL)

(a) & (b): As per studies conducted by Indian Council of Agriculture Research - Central Institute of Post-Harvest Engineering & Technology (ICAR-CIPHET), 2015 and NABARD Consultancy Service Pvt. Ltd (NABCONS), 2022, the estimated percentage of harvest and post-harvest losses of perishables is as follows:

Commodities	Estimated Loss in percent	
	As per ICAR-CIPHET Study (2015)	As per NABCONS study (2022)
Fruits	6.70-15.88	6.02-15.05
Vegetables	7.32-12.44	4.87-11.61
Milk	0.92	0.87
Fisheries(Marine)	10.52	8.76
Fisheries(Inland)	5.23	4.86

The Ministry of Food Processing Industries through implementation of various schemes under Pradhan Mantri Kisan Sampada Yojana supports the creation and expansion of the processing/preservation capacity to reduce post-harvest losses and create higher value-addition.

(c) MoFPI implements a Scheme for Operation Greens – Long Term Interventions under Pradhan Mantri Kisan Sampada Yojana (PMKSY), launched in November, 2018 in pursuance of Budget 2018-19 announcement. Earlier, Long Term Intervention covered only three crops, namely, Potato, Onion and Tomato (TOP). In the Budget Speech of Union Budget 2021-22, the scope of long-term strategy i.e. Integrated Value Chain Development Projects and Standalone Post Harvest Infrastructure Facilities under the Operation Green Scheme was enlarged to 22 perishable crops from TOP crops. The eligible 22 crops identified across all over India are:

Fruits (10): Mango, Banana, Apple, Pineapple, Orange, Grapes, Aonla/Amla, Pomegranate, Guava, Litchi.

Vegetables (11): Tomato, Onion Potato, Green Peas, Carrot, Cauliflower, Beans, Gourd Family {Bottle Gourd (Loki), Bitter Gourd (Karela), Ridge/Sponge Gourd (Torai) Pointed Gourd (Parval) and Ash Gourd (Petha), Okra, Garlic and Ginger }

Marine (1): Shrimp

State-wise details of the 46 projects approved under Operation Greens Scheme are at **Annexure**.

(d) & (e): MoFPI implements Central Sector Umbrella Scheme-Pradhan Mantri Kisan Sampada Yojana (PMKSY) for overall growth and development of food processing sector of the country. Under component schemes of PMKSY, MoFPI provides mostly credit linked financial assistance (capital subsidy) in the form of grants-in-aid to entrepreneurs for setting up of food processing/preservation infrastructure, which may include cold storages to minimize post-harvest losses.

MoFPI also implements Pradhan Mantri Formalisation of Micro Food Processing Enterprises Scheme (PMFME) for providing technical, financial and business support for setting up/upgradation of 2 lakh Micro food processing enterprises and Production Linked Incentive (PLI) scheme for the period 2021-22 to 2026-27 to create global food champions and improving the visibility of Indian food brands abroad.

ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (c) OF LOK SABHA UNSTARRED QUESTION NUMBER 3103 FOR ANSWER ON 08TH AUGUST, 2023 REGARDING “INADEQUATE COLD CHAIN INFRASTRUCTURE.”

Statewise details of projects approved under Operation Greens Scheme-Long Term Intervention

Sl. No.	State	Projects Approved
1	Andhra Pradesh	16
2	Assam	1
3	Gujarat	8
4	Himachal Pradesh	2
5	Madhya Pradesh	2
6	Maharashtra	8
7	Punjab	1
8	Rajasthan	1
9	Tamil Nadu	2
10	Uttar Pradesh	5
Total		46