

GOVERNMENT OF INDIA
 MINISTRY OF FOOD PROCESSING INDUSTRIES
RAJYA SABHA
UNSTARRED QUESTION NO. 3269
 ANSWERED ON 20TH MARCH, 2026

STEPS TO STRENGTHEN POST-HARVEST INFRASTRUCTURE

3269. SMT. RAJANI ASHOKRAO PATIL:

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

- (a) whether Government has assessed the extent of post-harvest losses of fruits such as grapes and oranges in Maharashtra;
- (b) the latest estimates of losses at various stages of harvesting, storage, transportation and marketing;
- (c) the cold storage, pack-houses, ripening and processing capacity created in major fruit-growing regions under Central and State schemes;
- (d) the support extended to Farmer Producer Organisations (FPOs) for aggregation, value addition, and market linkages; and
- (e) the reasons why wastage and distress sales continue to remain high despite targeted interventions and the steps proposed to strengthen post-harvest infrastructure, logistics and farmer incomes in the State?

ANSWER

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

(a) & (b): The Ministry of Food Processing Industries (MoFPI) estimates post-harvest losses from time to time for various agri-produces in the country through commissioning of studies based on primary surveys. Two studies were commissioned by the Ministry through (i) Indian Council of Agriculture Research (ICAR) -Central Institute of Post-Harvest Engineering & Technology (CIPHET), 2015 with reference year 2012-14 and (ii) NABARD Consultancy Service Pvt. Ltd (NABCONS), 2022 with reference year 2020-22. As per the latest study conducted by NABCONS, the estimated percentage of Harvest and Post-Harvest losses of fruits at various stages in the state of Maharashtra are as follows:

Post-harvest losses in Maharashtra for Fruits (%)						
	At Farm Level				At market level	
Crop	Harvesting	Farm Storage	Farm Transport	Total loss in farm operations	Market Transport	Total loss in market level
Banana	1.24	0.02	1.04	4.15	0.82	1.91
Citrus	1.59	1.15	1.06	6.71	0.77	2.08
Grapes	1.45	0.54	0.35	4.9	0.51	1.83
Mango	1.99	0.13	0.9	6.06	1.13	2.54
Pomegranate	1.31	0.28	0.31	3.73	0.76	2.29

(c): Under the various scheme of Government, the details of the cold storages, pack-houses, ripening and processing capacity for various commodities including fruits is placed at **Annexure**.

(d) & (e): MoFPI through implementation of various initiatives and schemes viz. Pradhan Mantri Kisan SAMPADA Yojana (PMKSY), Prime Minister Formalization of Micro Food Processing Enterprises (PMFME) and Production Linked Incentive Scheme for Food Processing Industries (PLISFPI) aims for the overall development of food processing sector across the country. MoFPI, through its schemes, provides grant-in-aid/incentives to the eligible entities including Farmer Producer Organizations (FPOs) and Micro, Small & Medium Enterprises (MSMEs) all over the country. These schemes aim towards creation of modern infrastructure with efficient supply chain management from farm gate to retail outlet which includes storage, transportation, creation of market linkages etc., thereby help in reducing post-harvest losses and facilitating enhance farmer incomes and creating off-farm employment opportunities.

Apart from MoFPI, Ministry of Agriculture and Farmers Welfare has launched the Agriculture Infrastructure Fund (AIF) Scheme in July 2020 under the Atmanirbhar Bharat package in order to improve post-harvest infrastructure and create community farming assets. The AIF Scheme facilitates sanction of medium to long term loans by Banks and other lending institutions for the setting up of cold storage facilities, warehouses and processing units, aimed at reducing crop wastage, enhancing value addition and provide better returns to farmers.

**ANNEXURE REFERRED TO IN REPLY TO PART (c) OF RAJYA SABHA
UNSTARRED QUESTION NO. 3269 FOR ANSWER ON 20TH MARCH, 2026 ON
“STEPS TO STRENGTHEN POST-HARVEST INFRASTRUCTURE”**

State wise distribution of Cold Storages as on 31.01.2026 in the Country

S. No.	Name of the State	Number.	Capacity (MT)
1	Andaman & Nicobar Islands (UT)	4	2210
2	Andhra Pradesh & Telangana	480	1996340
3	Arunachal Pradesh	2	6000
4	Assam	45	212662
5	Bihar	316	1490200
6	Chandigarh (UT)	7	12462
7	Chhattisgarh	132	586863
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	1032	4086046
11	Haryana	388	891494
12	Himachal Pradesh	89	181318
13	Jammu & Kashmir	102	404814
14	Jharkhand	60	250077
15	Karnataka	271	930379
16	Kerala	202	96655
17	Lakshadweep (UT)	1	15
18	Madhya Pradesh	341	1498651
19	Maharashtra	672	1259932
20	Manipur	2	4500
21	Meghalaya	4	8200
22	Mizoram	3	4071
23	Nagaland	5	8150
24	Orissa	182	579321
25	Pondicherry (UT)	4	185
26	Punjab	780	2642715
27	Rajasthan	192	661876
28	Sikkim	2	2100
29	Tamil Nadu	188	399690
30	Telangana	117	627131
31	Tripura	14	46354
32	Uttar Pradesh	2489	15101408
33	Uttarakhand	62	206848
34	West Bengal	517	5952997
		8831	40289226

(Source: Directorate of Marketing and Inspection (DMI) upto 2009, National Horticulture Board (NHB), National Horticulture Mission (NHM), Horticulture Mission for North East & Himalayan States (HMNEH)) and MoFPI

Details of approved projects under Pradhan Mantri Kisan SAMPADA Yojana (PMKSY) with processing capacity the Country:

Components of PMKSY	Total Approved Projects	Number of Cold Storages	Cold Storage capacity (LMT)	Ripening Chambers (MT/day)	Processing Capacity (LMT/Annunm)
Operation Greens	41	76	1.34	-	10.15
Cold Chain	397	617	10.56	6465	146.25
CEFPPC	503				115.33

Details of approved projects under Pradhan Mantri Kisan SAMPADA Yojana (PMKSY) with processing capacity in Maharashtra:

Components of PMKSY	Total Approved Projects	Number of Cold Storages	Cold Storage capacity (LMT)	Ripening Chambers (MT/day)	Processing Capacity (LMT/Annunum)
Operation Greens	6	12	0.20	-	2.11
Cold Chain	77	97	1.948	3190	51.65
CEFPPC	76				24.72
