

GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE AND FARMERS WELFARE
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

LOK SABHA
UNSTARRED QUESTION NO. 2403
TO BE ANSWERED ON THE 06TH AUGUST, 2024

POST HARVEST CROP LOSSES

2403. SHRI NAVEEN JINDAL:

Will the Minister of AGRICULTURE AND FARMERS WELFARE कृषि एवं किसान कल्याण मंत्री be pleased to state:

- (a) the quantum and value of post harvest crop losses during each of the last five years in various categories namely foodgrains, fruits and vegetables, category and year-wise;
- (b) the details of strategies, programs and schemes being implemented/planned to reduce post harvest crop losses in the country;
- (c) the physical and financial targets of each of the strategies, programs and schemes and actual achievements against the achievements during each of the last five years, category and year-wise;
- (d) whether there is any cost and time over-runs and under achievement of physical target of post harvest crop losses; and
- (e) if so, the reasons therefor?

ANSWER

MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण राज्य मंत्री (SHRI RAMNATH THAKUR)

(a): As per the study commissioned by Ministry of Food Processing Industries and carried out by NABARD Consultancy Services (NABCONS) published in 2022, the quantum of quantitative harvest and post-harvest losses in selected crops were observed to be in the range of 3.89% to 5.92% (cereals), 5.65% to 6.74% (pulses), 2.87% to 7.51% (oil seeds), 6.02% to 15.05% (fruits) and 4.87% to 11.61% (vegetables). The crop wise details are at **Annexure-I**.

(b) to (e): Government is implementing various schemes under which financial assistance is available for setting up of cold storage for perishable horticultural produce throughout the country.

Department of Agriculture & Farmers Welfare is implementing Mission for Integrated Development of Horticulture (MIDH) under which financial assistance is provided for various horticulture activities including construction/Expansion/ Modernization of cold storages of

capacity up to 5000 MT in the country on the basis of Annual Action Plan (AAP) received from States/UTs. AAPs are prepared by the States/UTs based on their requirement, capacity and availability of resources. The component of Cold Storage is demand/entrepreneur driven for which Government assistance in the form of credit linked back ended subsidy is available at the rate of 35% of the project cost in general areas and 50% of the project cost in hilly and scheduled areas through respective State Horticulture Missions.

Under the scheme, assistance is available to individuals, Groups of farmers/ growers/ consumers, Partnership/ Proprietary firms, Self Help Groups (SHGs), Farmers Producer Organization (FPOs), Companies, Corporations, Cooperatives, Cooperative Marketing Federations, Local bodies, Agricultural Produce Market Committees (APMCs) & Marketing Boards and State Governments.

Besides, National Horticulture Board (NHB) is implementing a scheme namely "Capital Investment Subsidy for Construction/Expansion /Modernization of Cold Storages and Storages for Horticulture Products". Under the scheme, credit linked back-ended subsidy at the rate of 35% of the capital cost of the project in general areas and 50% in case of North East, hilly & scheduled areas for construction/expansion/modernization of cold storage and Controlled Atmosphere (CA) storage of capacity above 5000 MT and up to 10000 MT is available. In case of North East region, the units with capacity above 1000 MT are also eligible for assistance.

Ministry of Food Processing Industries (MoFPI) implements a Scheme for Integrated Cold Chain, Food Processing and Preservation Infrastructure as one of the components of Pradhan Mantri Kisan Sampada Yojana (PMKSY) with the objective of reducing post-harvest losses of horticulture and non-horticulture produce and providing remunerative price to farmers for their produce. Under the scheme, Ministry provides financial assistance in the form of grant-in-aid at the rate of 35% for general areas and 50% for North East and Himalayan States, ITDP areas and Islands for storage and transport infrastructure and at the rate of 50% and 75% respectively for value addition and processing infrastructure subject to a maximum grant-in-aid of Rs. 10.00 crore per project for setting up of integrated cold chain projects including irradiation facility. Standalone cold storages are not covered under the Scheme.

All the above schemes are demand/entrepreneur driven through commercial ventures for which government assistance is provided based on the proposals received from the States/entrepreneur.

Further, to strengthen agriculture infrastructure in the country, Government has launched Agriculture Infrastructure Funds (AIF) of Rs. 1.00 lakh crore. Under AIF, there is provision for collateral free term loan upto Rs. 2.00 crore and interest subvention of 3% on the term loan availed for creation of post-harvest infrastructure including establishment of cold storages.

State-wise details of cold storages sanctioned under MIDH scheme during last five years are at **Annexure – II**

Harvest and post-harvest losses of major agricultural crops and commodities

Sr. No	Name of Crops/ commodities	% average loss
	Cereals	
1.	Paddy	4.77
2.	Wheat	4.17
3.	Maize	3.89
4.	Bajra	4.37
5.	Sorghum	5.92
	Pulses	
6.	Pigeon Pea	5.65
7.	Chick Pea	6.74
8.	Black Gram	5.83
9.	Green Gram	6.19
	Oilseed	
10.	Mustard	4.46
11.	Cottonseed	2.87
12.	Soybean	7.51
13.	Safflower	3.06
14.	Sunflower	4.38
15.	Groundnut	5.73
	Fruits	
16.	Apple	9.51
17.	Banana	7.57
18.	Citrus	7.71
19.	Grapes	7.15
20.	Guava	15.05
21.	Mango	8.53
22.	Papaya	6.59
23.	Sapota	9.53
24.	Pineapple	6.02
25.	Pomegranate	6.82
26.	Muskmelon	6.83
	Vegetables	
27.	Cabbage	8.15
28.	Cauliflower	7.89
29.	Green Pea	6.43
30.	Mushroom	7.20
31.	Onion	7.26
32.	Potato	5.96
33.	Tomato	11.61
34.	Tapioca	4.87
35.	Bottle gourd	7.01
36.	Brinjal	7.41
37.	Beans	7.11
38.	Radish	6.46
39.	Capsicum	5.15
40.	Okra	6.01
	Livestock Produce	
41.	Egg	6.03
42.	Inland Fish	4.86

43.	Marine Fish	8.76
44.	Meat	2.34
45.	Poultry Meat	5.63
46.	Milk	0.87
	Plantation Crops and Spices	
47.	Arecanut	4.41
48.	Cashew nut	3.72
49.	Coconut	3.86
50.	Sugarcane	7.33
51.	Black Pepper	1.29
52.	Chilli	6.11
53.	Coriander	5.32
54.	Turmeric	5.36

Source: Study to determine Post-Harvest Losses of Agri. Produces in India commissioned by MoFPI and carried out by NABARD Consultancy Services (NABCONS) published in 2022.

Annexure –II

State wise Cold Storages sanctioned under MIDH during last five years (2019-20 to 2023-24)
(Rs. in Lakh)

S. No.	States	No.	Capacity (MT)	Assistance
1	Andaman & Nicobar Islands (UT)	0	0	0.00
2	Andhra Pradesh & Telangana	56	435183	10402.46
3	Arunachal Pradesh	0	0	0.00
4	Assam	4	28646	1005.64
5	Bihar	4	14533	397.90
6	Chandigarh (UT)	0	0	0.00
7	Chhattisgarh	25	77401	2168.80
8	Delhi	0	0	0.00
9	Goa	0	0	0.00
10	Gujarat	59	244429	7215.87
11	Haryana	11	40179	1597.48
12	Himachal Pradesh	9	20374	1100.99
13	Jammu & Kashmir	27	131762	13400.61
14	Jharkhand	1	5975	227.04
15	Karnataka	43	255364	6417.08
16	Kerala	1	250	7.00
17	Lakshadweep (UT)	0	0	0.00
18	Madhya Pradesh	8	48640	1217.42
19	Maharashtra	33	153223	4172.10
20	Manipur	0	0	0.00
21	Meghalaya	0	0	0.00
22	Mizoram	0	0	0.00
23	Nagaland	0	0	0.00
24	Orissa	0	0	0.00
25	Pondicherry (UT)	0	0	0.00
26	Punjab	68	243921	6514.13
27	Rajasthan	8	51544	1285.25
28	Sikkim	0	0	0.00
29	Tamil Nadu	5	32396	784.53
30	Telangana	39	239793	5813.50
31	Tripura	0	0	0.00
32	Uttar Pradesh	81	398386	9501.48
33	Uttrakhand	1	227	5970.00
34	West Bengal	2	4681	131.06
	Total	485	2426907	79330.32

(Source: National Horticulture Board (NHB), National Horticulture Mission (NHM), Horticulture Mission for North East & Himalayan States (HMNEH))
