

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

LOK SABHA
UNSTARRED QUESTION NO. 5073
TO BE ANSWERED ON THE 27TH MARCH, 2018

WASTAGE OF FRUITS AND VEGETABLES

5073. SHRI BHARAT SINGH:

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

- (a) whether several thousands tonnes of fruits and vegetables have been wasted due to improper maintenance of warehouses/cold storages located in various States of the country during the last five years;
- (b) if so, the details thereof, Statewise;
- (c) whether the Government proposes to develop modern technology and set up laboratories for proper upkeep of vegetables and fruits in warehouses/cold storages; and
- (d) if so, the details thereof?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF AGRICULTURE AND FARMERS WELFARE

कृषि एवं किसान कल्याण मंत्रालय में राज्य मंत्री (SHRI PARSHOTTAM RUPALA)

(a) & (b): A study was commissioned by Ministry of Food Processing Industries and carried out by Central Institute of Post Harvest Engineering & Technology (CIPHET), Indian Council of Agricultural Research (ICAR) which was published in 2015. As per the study quantum of quantitative harvest and post harvest losses were estimated in the range of 6.70% to 15.88% for fruits and 4.58% to 12.44% for vegetables. As per this study, these losses occur at various stages during post harvest. The losses in the cold storage for fruits and vegetables have been assessed to be in the range of 0.01% to 0.25% and 0.0% to 0.30% respectively. The losses at different stage after harvest are as under:

S. No.	Stages	Range of losses (%)	
		Fruits	Vegetables
1.	Harvesting	0.98 – 5.33	0.99 – 3.16
2.	Collection	0.26 - 0.42	0.04 – 0.52
3.	Sorting/Grading	1.46 – 4.95	0.99 – 5.34
4.	Packaging	0.09 – 0.34	0.06 – 0.38
5.	Transport	0.42 – 1.91	0.51 – 1.75
6.	Farm Storage	0.01 – 0.23	0.05 - 0.66
7.	Cold Storage	0.01 – 0.25	0.00 – 0.30
8.	Wholesaler	0.57 – 1.62	0.31 – 1.26
9.	Retailer	0.34 – 2.08	0.11 – 1.63
10.	Processing	0.00 – 0.25	0.00 – 0.17

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(c) & (d): Government of India is implementing Mission for Integrated Development of Horticulture (MIDH) and Pradhan Mantri Kisan SAMPADA Yojana of Ministry of Food Processing Industries (MoFPI) under which assistance is available for establishment of cold storage/cold chain.

Under MIDH, the component of cold storage is demand/entrepreneur-driven from among entrepreneurs, private companies, cooperatives, farmers groups etc. through commercial ventures for which assistance @35% of admissible project cost in general areas and @50% in hilly and schedule area is available as credit linked and back ended subsidy.

MIDH also provides credit linked back ended assistance for modernization of refrigeration and insulation system of existing cold storages. Assistance is available @ 50% of cost for modernisation. For modernization of refrigeration, the maximum admissible cost is Rs. 100.00 lakh @ Rs. 2500/MT and for modernization of insulation the maximum admissible cost is Rs. 100.00 lakh @ Rs. 1500/MT.
