

GOVERNMENT OF INDIA
MINISTRY OF FOOD PROCESSING INDUSTRIES
LOK SABHA
UNSTARRED QUESTION NO. 3134
ANSWERED ON 07TH AUGUST, 2025

INTEGRATED COLD CHAIN AND VALUE ADDITION INFRASTRUCTURE

3134. DR. MOHAMMAD JAWED:

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

- (a) the details regarding growth of Integrated Cold Chain and the Value Addition Infrastructure in the country so far;
- (b) whether there are enough Integrated Cold Chain and Value Addition Infrastructure facilities in the country to cater to the need considering agriculture-based economy of the country and if so, the details thereof;
- (c) the estimated number of additional cold storages required in the country along with the details of the existing cold storage and its deficit, State-wise;
- (d) whether the Government has identified locations where there is a need for cold storages across the country and if so, the details thereof; and
- (e) whether there has been a significant drop in the wastage of food and farm products with the growth of cold chain during the last five years and if so, the details thereof, year-wise?

ANSWER

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

(a) & (b): The Ministry of Food Processing Industries (MoFPI) has been implementing a component scheme- Integrated Cold Chain and Value Addition Infrastructure (Cold Chain scheme) of Pradhan Mantri Kisan Sampada Yojana(PMKSY). Under Cold Chain scheme, so far (up to 30.06.2025), 395 integrated cold chain projects have been approved since 2008. Out of 395 total approved projects, 291 projects have been completed and operationalized, thereby creating preservation and processing capacity of 25.49 LMT/ annum and 113.16 LMT/ annum respectively.

(c) & (d): A study report on “All India Cold-chain Infrastructure Capacity (Assessment of Status & Gap)” published during 2015 by National Centre for Cold-chain Development (NCCD), an autonomous body of Ministry of Agriculture & Farmers Welfare, highlighted the gap assessed between the existing capacity of infrastructure already created in the country and the estimated requirement. The details of (i) State-wise cold storage (as on 31.01.2025 as reported by Department of Agriculture and Farmers welfare) already created in the country and (ii) estimated State-wise cold storage requirement worked out based on the urban population (2014-15) of the country as provided in the said report are placed at **Annexure-I & II** respectively.

(e): MoFPI estimates harvest and post-harvest losses from time to time for various agri-produces in the country through commissioning of studies. Two studies were commissioned by the Ministry through:

- (i) Indian Council of Agriculture Research (ICAR) -Central Institute of Post-Harvest Engineering & Technology (CIPHET), Ludhiana on “Assessment of Quantitative Harvest and Post-Harvest Losses of Major Crops and Commodities in India”, 2015 with reference year 2012-14; and
- (ii) NABARD Consultancy Services Pvt. Ltd. (NABCONS), namely, “Study to determine Post harvest losses of Agri Produce in India” in 2022 with reference year 2020-22.

The different stages considered for assessment of losses were harvesting, collection, grading/sorting, winnowing/cleaning, drying, packaging, transportation, storage at farm level and at godown, wholesalers, retailers, processing unit and transport at market level. The details of estimated loss of various agri-produces are as below:

Post-harvest losses of major crops and commodities

Crops/ Commodities	Estimated Loss (%)	
	As per ICAR-CIPHET Study (2015)*	As per NABCONS study (2022)**
Cereals	4.65 - 5.99	3.89-5.92
Pulses	6.36 - 8.41	5.65-6.74
Oil Seeds	3.08 - 9.96	2.87-7.51
Fruits	6.70-15.88	6.02-15.05
Vegetables	4.58-12.44	4.87-11.61
Plantation Crops & Spices	1.18-7.89	1.29-7.33
Milk	0.92	0.87
Fisheries (Inland)	5.23	4.86
Fisheries (Marine)	10.52	8.76
Meat	2.71	2.34
Poultry	6.74	5.63
Egg	7.19	6.03

Source: *Report on Assessment of Quantitative Harvest and Post-Harvest Losses of Major Crops and commodities in India, 2015. **NABCONS Study 2022

ANNEXURE-I REFERRED IN REPLY TO PART (c) & (d) OF THE LOK SABHA UNSTARRED QUESTION NO. 3134 FOR ANSWER ON 07.08.2025 REGARDING “INTEGRATED COLD CHAIN AND VALUE ADDITION INFRASTRUCTURE”

State-wise Cold Storage facilities created as on 31.01.2025 in the country

S. No.	State/UT	No. of project	Cold Storage created (Capacity in MT) [as reported by Department of Agriculture &
1	Andaman & Nicobar (UT)	4	2210
2	Andhra Pradesh &	480	1996340
3	Arunachal Pradesh	2	6000
4	Assam	43	206742
5	Bihar	316	1490200
6	Chandigarh(UT)	7	12462
7	Chhattisgarh	130	577663
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	1023	4042770
11	Haryana	386	870703
12	Himachal Pradesh	89	181318
13	Jammu & Kashmir	92	151833
14	Jharkhand	59	242655
15	Karnataka	268	912417
16	Kerala	202	96655
17	Lakshadweep(UT)	1	15
18	Madhya Pradesh	320	1381827
19	Maharashtra	665	1219851
20	Manipur	2	4500
21	Meghalaya	4	8200
22	Mizoram	3	4071
23	Nagaland	5	8150
24	Odisha	182	579321
25	Puducherry (UT)	4	185
26	Punjab	770	2604206
27	Rajasthan	190	648908
28	Sikkim	2	2100
29	Tamil Nadu	188	399690
30	Telangana	116	617131
31	Tripura	14	46354
31	Uttar Pradesh	2488	15096476
32	Uttarakhand	62	206848
33	West Bengal	517	5952997
	Total	8760	39708360

ANNEXURE-II REFERRED IN REPLY TO PART (c) & (d) OF THE LOK SABHA UNSTARRED QUESTION NO. 3134 FOR ANSWER ON 07.08.2025 REGARDING “INTEGRATED COLD CHAIN AND VALUE ADDITION INFRASTRUCTURE”

State-wise breakup of cold storage requirement as on 2014-15 as reported by NCCD, during 2015.

State	Urban Population (2014-15)	Per cent of Population	Total Cold Storage required (Capacity in MT)
Andhra Pradesh	18428602	4.46	530925
Arunachal Pradesh	354419	0.09	7508
Assam	4774459	1.15	71996
Bihar	13008947	3.15	5123982
Chhattisgarh	6670958	1.61	513830
Delhi	17718674	4.29	40122
Goa	1002786	0.24	2271
Gujarat	28523771	6.9	2239476
Haryana	9998498	2.42	240395
Himachal Pradesh	722662	0.17	306147
Jammu & Kashmir	3807726	0.92	907842
Jharkhand	8710072	2.11	24951
Karnataka	25886395	6.26	210313
Kerala	19831340	4.8	45874
Madhya Pradesh	21658925	5.24	1867179
Maharashtra	54543414	13.19	157709
Manipur	943761	0.23	5062
Meghalaya	651738	0.16	18704
Mizoram	623469	0.15	8920
Nagaland	676818	0.16	8675
Odisha	7583316	1.83	305500
Punjab	11227754	2.72	1693408
Rajasthan	18558887	4.49	53395
Sikkim	210234	0.05	2621
Tamil Nadu	37817826	9.15	194640
Telangana	12806317	3.1	277129
Tripura	1161198	0.28	8554
Uttar Pradesh	48414644	11.71	10675137
Uttarakhand	3410752	0.82	72931
West Bengal	31729218	7.67	9480929
UT & Others			4539
Total	413461936		35100664