

GOVERNMENT OF INDIA
MINISTRY OF CONSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION
DEPARTMENT OF FOOD AND PUBLIC DISTRIBUTION

LOK SABHA
UNSTARRED QUESTION NO.4468
TO BE ANSWERED ON 20TH AUGUST, 2025

SILOS BASED STORAGE

4468 DR. HEMANT VISHNU SAVARA:

Will the Minister of CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION be pleased to state:

- (a) whether the Government has any scheme to improve post-harvest financing for farmers and MSMEs and if so, the details thereof;
- (b) whether the Government has any plan to increase the establishment of silobased storage;
- (c) if so, whether these silos ensure scientific preservation and minimize post-harvest losses and if so, the details thereof;
- (d) the manner in which the advancements in silo design improved capacity utilization and ensures pest-free conditions; and
- (e) the details of the establishment of silo-based storage in the Palghar District in Maharashtra during the last five years?

A N S W E R
MINISTER OF STATE FOR MINISTRY OF CONSUMER AFFAIRS,
FOOD & PUBLIC DISTRIBUTION
(SHRIMATI NIMUBEN JAYANTIBHAI BAMBHANIYA)

(a): Yes, Government of India, on 13.02.2025 has notified Credit Guarantee Scheme for e-NWR based pledge financing (CGS-NPF). The scheme covers the loans extended to farmers, MSMEs and traders. The prime objective of CGS-NPF scheme is to encourage banks to extend pledge finance against e-NWRs to farmers. MSMEs and traders on the agricultural/horticultural produce stored in the WDRA registered warehouses.

This scheme is envisaged to increase the post-harvest finance and enhance liquidity in rural areas. The enhanced liquidity can help in avoiding distress sale and realizing better remunerative prices for the farm produce.

(b): Yes. In order to upgrade and modernize the storage facilities, Government of India has approved construction of Silos across the country under PPP mode. Accordingly, as on 30.06.2025, Silos at 48 locations with capacity 27.75 LMT have been completed and put to use (Annexure -I) and Silos at 87 locations with capacity 36.875 LMT are under construction (Annexure-II). Further, tenders for 25.125 LMT Silos at 54 locations (Annexure-III) are under process.

(c) & (d): Steel Silo storage with bulk handling is a highly automated and modernized method of storing food grains in bulk. It consists of storage of food grains in monitored atmosphere in bulk form. Silo requires mechanized handling for loading and unloading. It ensures better preservation of food grains and enhances its shelf life. Losses due to theft, pilferage, and transportation would be negligible if food grains were stored in Silos and transported in bulk, as opposed to food grains stored in bags in conventional warehouses. Steel silos require approximately 1/3rd of land area as compared to conventional storage warehouses.

(e): Tender for construction of 50,000 MT Silos in Palghar District under PPP mode are under process.

List of Silos Completed and put to use**Circuit based Silos:**

Sl. No	State	Location	Capacity (inLMT)	TypeofDepot	Circuit
1	Punjab	Moga	2.00	Base	Circuit-I
2	TamilNadu	Chennai	0.25	Field	
3	TamilNadu	Coimbatore	0.25	Field	
4	Karnatka	Banglore	0.25	Field	
5	Haryana	Kaithal	2.00	Base	Circuit-II
6	Maharashtra	Navi Mumbai	0.50	Field	
7	West-Bengal	Hoogly	0.25	Field	
Total			5.50		

Railway Siding Silos and Road Fed Silos:

S. No	State/Region	Location	Agency	Capacity (inLMT)	Mode	Year of completion
1.	Madhya Pradesh	Harda	State Govt.	0.50	VGF	2017-18
2.	Madhya Pradesh	Hoshangabad	State Govt.	0.50	VGF	2017-18
3.	Madhya Pradesh	Dewas	State Govt.	0.50	VGF	2017-18
4.	Madhya Pradesh	Satna	State Govt.	0.50	VGF	2017-18
5.	Madhya Pradesh	Sehore	State Govt.	0.50	VGF	2017-18
6.	Madhya Pradesh	Ujjain	State Govt.	0.50	VGF	2017-18
7.	Madhya Pradesh	Vidisha	State Govt.	0.50	VGF	2017-18
8.	Madhya Pradesh	Bhopal	State Govt.	0.50	VGF	2017-18
9.	Madhya Pradesh	Indore	State Govt.	0.50	VGF	2017-18
10.	Punjab	Sunam	State Govt.	0.50	VGF	2017-18
11.	Punjab	Malerkotla	State Govt.	0.50	VGF	2017-18

12.	Punjab	Ahmedgarh	State Govt.	0.50	VGF	2017-18
13.	Punjab	Amritsar	State Govt.	0.50	VGF	2017-18
14.	Bihar	Buxar	FCI	0.50	VGF	23.04.2025
15.	Punjab	Kotkapura	FCI	0.25	VGF	04.11.2018
16.	Punjab	Barnala	FCI	0.50	Non-VGF	12.03.2020
17.	Punjab	Patiala	FCI	0.50	Non-VGF	23.08.2022
18.	Punjab	Batala	FCI	0.50	Non-VGF	14.06.2024
19.	Punjab	Chhehretta	FCI	0.50	Non-VGF	13.06.2024
20.	Punjab	Sangrur*	FCI	1.00*	Non-VGF	01.12.2023
21.	Punjab	Sahnewal	FCI	0.50	VGF	01.05.2024
22.	Haryana	Bhattu	FCI	0.50	Non-VGF	10.08.2022
23.	Haryana	Jind	FCI	0.50	Non-VGF	14.06.2021
24.	Haryana	Sonepat	FCI	0.50	Non-VGF	25.08.2021
25.	Haryana	Panipat	FCI	0.50	Non-VGF	25.05.2023
26.	Haryana	Rohtak	FCI	0.50	Non-VGF	18.06.2023
27.	Gujarat	Ahmedabad	FCI	0.50	Non-VGF	06.05.2021
28.	Gujarat	Baroda	FCI	0.50	Non-VGF	10.05.2024
29.	Gujarat	Amreli	FCI	0.50	Non-VGF	13.10.2023
30.	Assam	Changsari	FCI	0.50	VGF	23.12.2021
31.	Uttar Pradesh	Kannauj	FCI	0.50	Non-VGF	09.03.2023
32.	Uttar Pradesh	Dhamora	FCI	0.50	VGF	04.03.2023
33.	Uttar Pradesh	Basti	FCI	0.50	Non-VGF	24.09.2024
34.	Bihar	Darbhanga	FCI	0.50	Non-VGF	28.02.2024
35.	Bihar	Samastipur	FCI	0.50	Non-VGF	09.05.2024
36.	Bihar	Katihar	FCI	0.50	VGF	01.04.2021
37.	Bihar	Khagaria	FCI	0.50	Non-VGF	02.06.2025
38.	West Bengal	Balurghat	FCI	0.50	Non-VGF	16.06.2025
GrandTotal				19.25		

*Operational with railway siding on 01.12.2023, COD is yet to be issued. CoD Mater is under adjudication by Arbitration

Hub & Spoke Model Phase-I:

S.No	State	Location	Capacity (in LMT)	Type(Hub /Spoke)	Date of completion
1	Rajasthan	CAP Alwar	0.75	SPOKE	06.05.2025
2	Uttar Pradesh	SANDILA	0.75	SPOKE	10.06.2025
3	Bihar	KATIHAR(II)	0.50	SPOKE	18.06.2025
4	Punjab	BG Malout**	1.00	HUB	May2025
	TOTAL		3.00		

**1.00 LMT silo capacity is completed at Malout (Punjab) and taken over on AUB basis.

List of silos under-construction**Railway Siding Silos and Road-Fed Silos:**

S.No	State	Location	Agency	Capacity (in LMT)
1.	Bihar	Kaimur	Food Corporation of India	0.5
2.		Madhubani and Benipatti		0.5
3.	Uttar Pradesh	Fatehpur		0.5
4.		Gorakhpur		0.5
5.		Lucknow		0.5
6.		Hamirpur	State Govt.	0.5
7.		Pilibhit	State Govt.	0.5
8.		Lalitpur	State Govt.	0.5
9.		Harduaganj	Food Corporation of India	0.5
10.	West Bengal	Murshidabad		0.5
Total				5.0

Hub & Spoke Model Phase-I (DBFOT Model):

S.No	State/U.T.	Location	Capacity in LMT	Mode (Hub/Spoke)
1.	Uttar Pradesh	Lalpur	1.00	Spoke
2.		Khurja	0.5	Spoke
3.		Dhamora	0.25	Spoke
4.		CHANDARI	1.25	Hub
5.		FSD Roza	0.50	Hub
6.		FSD Gonda	1.00	Hub
7.	Gujarat	FSD Wadhvan	0.25	Spoke
8.		FSD Wankaner	0.25	Spoke
9.		FSD Gandhidham	0.375	Hub
10.	Maharashtra	FSD Borivali	1.25	Hub
11.	Punjab	BG Malout**	0.50	Hub
Total Capacity			7.125	

Hub & Spoke Model under Phase-I (DBFOO Mode)

Project-1				
S.No.	State/U.T.	Location	Capacity(in MTs)	Mode (Hub / SPOKE)
1	Punjab	Killanwalli	37,500	SPOKE
2		Gidderbaha	50,000	SPOKE
3		Panniwala	25,000	SPOKE
4		Bhaliana	37,500	SPOKE
5		Samana	75,000	SPOKE
6		Payal	25,000	SPOKE
7		Sadiq	25,000	SPOKE
8		Dhuri	50,000	SPOKE
9		Moonak	37,500	SPOKE
10		Dirba	25,000	SPOKE
11		Khanauri	25,000	SPOKE
12		Patiala	50,000	SPOKE
13		Patran	75,000	SPOKE
14		Mehalkalan	37,500	SPOKE
15		Sehna	25,000	SPOKE
16		Tapa	37,500	SPOKE
17		Dhanaula	25,000	SPOKE
18		Jaito	50,000	SPOKE
19		Faridkot	75,000	SPOKE
20		Macchiwara	37,500	SPOKE
21		Khanna	37,500	SPOKE
22		Ludhiana	25,000	SPOKE
23		Bariwala	25,000	SPOKE
24		Mehrajwala	25,000	SPOKE
25		Muktsar	1,00,000	SPOKE
26		Abohar	50,000	SPOKE
TOTAL			10,87,500	

Project-2				
S.No.	State/U.T.	Location	Capacity(inMTs)	Mode(Hub/SPOKE)
1	Bihar	Purnea	50,000	SPOKE
2		Begusarai	50,000	SPOKE
3		Samastipur	50,000	SPOKE
4		Araria	50,000	SPOKE
5		Darbhanga	50,000	SPOKE
6		Kishenganj	50,000	SPOKE
7	Uttar Pradesh	Lakhimpur	50,000	SPOKE
8		Unnao	25,000	SPOKE
9		Bahraich	25,000	SPOKE
10		Balrampur	25,000	SPOKE
11		Shrawasti	25,000	SPOKE
12		Sambhal	25,000	SPOKE
13		Amethi	25,000	SPOKE
14		Auraiya	25,000	SPOKE
15		Kanpur Dehat	25,000	SPOKE
16		Raibareilly	25,000	SPOKE
17		Sitapur	25,000	SPOKE
18		Sultanpur	25,000	SPOKE
19		Farukkabad	25,000	SPOKE
20		Badayun	25,000	SPOKE
21		Ambedkar Nagar	25,000	SPOKE
22	West Bengal	Malda	25,000	SPOKE
		TOTAL	7,25,000	

Project-3				
S.No.	State/U.T.	Location	Capacity(MTs)	Mode(Hub/ SPOKE)
1	<i>Gujarat</i>	Banaskantha	62,500	SPOKE
2	<i>Haryana</i>	Assandh	25,000	SPOKE
3		Gharaunda	25,000	SPOKE
4		Samalkhan	25,000	SPOKE
5		Gohana	25,000	SPOKE
6		Palwal	25,000	SPOKE
7		Hodal	25,000	SPOKE
8		Bhuna	25,000	SPOKE
9		Pilukhera	25,000	SPOKE
10		Safidon	25,000	SPOKE
11		Fatehabad	25,000	SPOKE
12		Ratia	25,000	SPOKE
13		Uchana	25,000	SPOKE
14	<i>Jammu & Kashmir</i>	Kathua	75,000	SPOKE
15	<i>Madhya Pradesh</i>	Ujjain	75,000	SPOKE
16		Dhar	50,000	SPOKE
17		Guna	50,000	SPOKE
18		Damoh	50,000	SPOKE
	Total		6,62,500	
	GrandTotal		24,75,000	

LIST OF 54 LOCATIONS OF HUB & SPOKE MODEL UNDER PHASE-II

DBFOO Bihar-1					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Bihar	Hub	Muzaffarpur	Muzaffarpur	50,000
2	Bihar	Spoke	Vaishali	Vaishali	25,000
3	Bihar	Spoke	Saran	Chapra	25,000

DBFOO Bihar-2					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Bihar	Hub	Motihari	East Champaran	50,000
2	Bihar	Spoke	Siwan	Siwan	25,000

DBFOO Gujarat-1					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Gujarat	Spoke	Mehsana	Mehsana	50,000
2	Gujarat	Spoke	Bharuch	Bharuch	37,500
3	Gujarat	Spoke	Anand	Anand	75,000
4	Gujarat	Spoke	Narmada	Narmada	25,000

DBFOO Gujarat-2					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Gujarat	Spoke	Surat	Surat	1,00,000
2	Gujarat	Spoke	Valsad	Valsad	37,500
3	Gujarat	Spoke	Navasari	Navasari	37,500

DBFOO Maharashtra-1					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Maharashtra	Spoke	Pune	Pune	1,00,000
2	Maharashtra	Spoke	Jalgaon	Jalgaon	75,000
3	Maharashtra	Spoke	Palghar	Palghar	50,000

DBFOO Maharashtra-2					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Maharashtra	Spoke	Aurangabad	Aurangabad	75,000
2	Maharashtra	Spoke	Nanded	Nanded	50,000
3	Maharashtra	Spoke	Jalna	Jalna	37,500

DBFOO Punjab-1					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Punjab	Hub	Between Bhatinda and Rampuraphul	Bhatinda	50,000
2	Punjab	Spoke	Bhuchchu	Bhatinda	37,500
3	Punjab	Spoke	Maur	Bhatinda	50,000
4	Punjab	Hub	Goniana	Bhatinda	50,000

DBFOO Punjab-2					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Punjab	Hub	Budhlada	Mansa	50,000
2	Punjab	Spoke	Mansa	Mansa	25,000
3	Punjab	Spoke	Bhikhi	Mansa	50,000
4	Punjab	Spoke	Sardulgarh	Mansa	50,000
5	Punjab	Spoke	Bareta	Mansa	25,000

DBFOO Punjab-3					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Punjab	Spoke	Phillaur	Jalandhar	50,000
2	Punjab	Hub	Dudhan	Patiala	50,000
3	Punjab	Spoke	Muktsar	Muktsar	50,000

DBFOO Punjab-4					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Punjab	Hub	Moga	Moga	50,000
2	Punjab	Spoke	Shakot	Jalandhar	25,000
3	Punjab	Spoke	Zira	Ferozepur	50,000
4	Punjab	Spoke	Dharamkot	Moga	50,000

DBFOO Rajasthan-1					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Rajasthan	Spoke	Sriganganagar	Sriganganagar	50,000
2	Rajasthan	Spoke	Srivijaynagar	Sriganganagar	25,000
3	Rajasthan	Spoke	HanumangarhJn.	Hanumangarh	50,000
4	Rajasthan	Spoke	Sangaria	Hanumangarh	25,000

DBFOO Rajasthan-2					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Rajasthan	Spoke	Jodhpur	Jodhpur	25,000
2	Rajasthan	Spoke	Udaipur	Udaipur	25,000
3	Rajasthan	Spoke	Rajsamand	Rajsamand	25,000

DBFOO Uttar Pradesh-1					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Uttar Pradesh	Hub	Faizabad	Ayodhya	50,000
2	Uttar Pradesh	Hub	Azamgarh	Azamgarh	1,00,000
3	Uttar Pradesh	Spoke	Mau	Mau	25,000

DBFOO Uttar Pradesh-2					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	Uttar Pradesh	Hub	Prayagraj	Prayagraj	1,00,000
2	Uttar Pradesh	Spoke	Pratapgarh	Pratapgarh	50,000

DBFOO WestBengal-1					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	West Bengal	Spoke	Alipurduar	Alipurduar	25,000
2	West Bengal	Hub	Coochbehar	Coochbehar	50,000

DBFOO WestBengal-2					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	West Bengal	Hub	Jangipur	Murshidabad	75,000
2	West Bengal	Spoke	Birbhum	Birbhum	25,000
3	West Bengal	Spoke	East Burdwan	East Burdwan	25,000

DBFOO WestBengal-3					
Sr. No.	State	Type of Silo (Hub/Spoke)	Location	Revenue District	Capacity in MT
1	West Bengal	Hub	West Midnapur	West Midnapur	50,000
2	West Bengal	Spoke	East Midnapur	East Midnapur	50,000
3	West Bengal	Spoke	Jhargram	Jhargram	25,000
