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

# LOK SABHA UNSTARRED QUESTION NO. 5206 TO BE ANSWERED ON 2<sup>ND</sup> APRIL, 2025

#### MODERNIZATION OF STORAGE FACILITIES

#### 5206. DR. BYREDDY SHABARI:

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

- (a) the total storage capacity of FCI warehouses along with the number of Government owned, hired and rented warehouses as on date, State-wise;
- (b) the supply-demand gap for foodgrains storage during the last five years, State-wise and the steps taken to address the shortfalls;
- (c) whether the Government has received complaints regarding grain spoilage, pest infestation or quality deterioration in FCI warehouses and if so, the details of such incidents along with the action taken thereon;
- (d) the details of proposals received for additional storage capacity from States particularly Andhra Pradesh along with their current status viz. approved, pending or under consideration;
- (e) the status of implementation of modern silo-based storage systems including the number of silos constructed and operationalized under Central Government initiatives; and
- (f) the measures being taken to modernize storage facilities, improve logistics and minimize wastage of foodgrains in FCI warehouses?

#### ANSWER

#### MINISTER OF STATE FOR MINISTRY OF CONSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION (SHRIMATI NIMUBEN JAYANTIBHAI BAMBHANIYA)

(a): FCI mainly stores wheat & rice after procurement for PDS operation and to maintain buffer stock. As on 01.02.2025, total Covered Storage Capacity available with FCI is 436.54 LMT (Owned – 147.10 LMT + Hired – 289.44 LMT) and 370.40 LMT available with the State agencies for storage of Central Pool foodgrain stock across the country. The State-wise details are at Annexure-I.

As on 01.02.2025, 2247 nos (Owned - 570 & Hired - 1677) of godowns of Food Corporation of India currently operating in the various states for storage of foodgrains throughout the country. The State-wise details are at Annexure-II.

(b) to (d): Andhra Pradesh is a Decentralized Procurement (DCP) State. Procurement, storage & distribution of food grains is carried out by State Government through its nodal agency in DCP State. FCI comes into picture in case of less procurement wherein shortfall is bridged by inducting stock or excess procurement wherein excess stock is moved to deficit areas. As on 01.02.2025, Covered storage capacity in Andhra Pradesh state for storing Central Pool stock is 28.70 LMT {11.54 LMT capacity of FCI (Owned -8.64 LMT +Hired – 2.90 LMT) & 17.16 LMT capacity of State Agencies}.

Requirement of Storage capacity in FCI depends upon the level of procurement, requirement of buffer norms and Public Distribution System (PDS) operations for food grains (Rice and Wheat). FCI continuously assesses and monitors the storage capacity and based on the requirement and storage gap assessment, storage capacities are created/hired through following schemes at a Pan India level including Andhra Pradesh:

- 1. Construction of Silos under Public Private Partnership(PPP) mode
- 2. Private Entrepreneurs Guarantee (PEG) Scheme
- 3. Central Sector Scheme "Storage & Godowns"
- 4. Hiring of godown from Central Warehousing Corporation (CWC)/ State Warehousing Corporations (SWCs)/State Agencies
- 5. Private Warehousing Scheme (PWS)
- 6. Creation of godowns under Asset Monetization

Further, details of incidents of grain spoilage, pest infestation, or quality deterioration in FCI warehouses along with actions taken by during last five financial years, are at Anneure-III

- (e): In order to upgrade and modernize the storage facilities, Government of India has approved Action Plan for construction of Steel Silos on Public Private Partnership (PPP) mode in the country. Silos of 5.5 LMT capacity have been constructed and put to use in 2007-09 under circuit base model. Further, under Rail/Road Linked plan, silos with a capacity of 17.75 LMT are completed. Location-wise details are Annexure-IV.
- (f): In order to keep its storage infrastructure robust and updated, FCI is taking various steps of Modernization. The details are at Annexure-V.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF THE UNSTARRED QUESTION NO.5206 FOR ANSWER ON 02.04.2025 IN THE LOK SABHA.

		Central P	ool Sto	rage C	apaci	ty wi	th FCI a	and S	tate Go	vt.Agen	icies a	s on 0	1.02.20	25	
			Total Storage Capacity with FCI (Owned/Hired ) (Covered & CAP)					Total (Owned + Hired)	State A SWCs (ex given to	rage Capa gencles in scluding c FCI) for st	cluding apacities torage of	ng ties			
Zone	Sl. No.	Region/U.T.							50	1	foodgrains	S			
Ü			Cove	ered	CA	AP	Tota	ıl	Cov.& CAP	Sta	ate Agenci	ies	Cov.	CAP	Cov. & CAP
			Owned	Hired	Owne d	Hire d	Cov.	CAP		Cov.	CAP	Total			
	1	BIHAR	3.45	8.03	0.00	0.00	11.47	0.00	11.47	10.13	0.00	10.13	21.60	0.00	21.60
EAST	2	JHARKHAND	0.89	3.82	0.00	0.00	4.71	0.00	4.71	1.78	0	1.78	6.49	0.00	6.49
T	3	ORISSA	3.65	2.82	0.00	0.00	6.47	0.00	6.47	6.12	0	6.12	12.59	0.00	12.59
	5	WEST BENGAL SIKKIM	9.53 0.11	0.92	0.00	0.00	10.45 0.11	0.00	10.45 0.11	9.66 0.11	0	9.66 0.11	0.23	0.00	20.11 0.23
		al East Zone	17.63	15.58	0.00	0.00	33.21	0.00	33.21	27.80	0	27.80	61.01	0.00	61.01
	6	ASSAM	3.74	1.57	0.00	0.00	5.31	0.00	5.31	0.00	0	0.00	5.31	0.00	5.31
	7	ARUNACHAL PD	0.41	0.01	0.00	0.00	0.42	0.00	0.42	0.00	0	0.00	0.42	0.00	0.42
N.E.	9	MEGHALAYA	0.20	0.25	0.00	0.00	0.44	0.00	0.44	0.00	0	0.00	0.44	0.00	0.44
'n	10	MIZORAM TRIPURA	0.32	0.00	0.00	0.00	0.32	0.00	0.32	0.41	0	0.41	0.73	0.00	0.73
	11	MANIPUR	0.44	0.19	0.00	0.00	0.62	0.00	0.62	0.68	0	0.68	1.30	0.00	1.30
	12	NAGALAND	0.42	0.16	0.00	0.00	0.57	0.00	0.57	0.00	0	0.00	0.65 0.65	0.00	0.65 0.65
,	Γotal N	orth East Zone	6.16	2.17	0.00	0.00	8.33	0.00	8.33	1.17	0	1.17	9.50	0.00	9.50
	13	DELHI	3.28	0.00	0.00	0.00	3.28	0.00	3.28	0.00	0	0.00	3.28	0.00	3.28
	14	HARYANA	8.75	51.37	2.88	0.00	60.12	2.88	63.00	42.91	8.46	51.37	103.03	11.34	114.37
	15	HIMACHAL PD.	0.27	0.73	0.00	0.00	1.00	0.00	1.00	0.00	0	0.00	1.00	0.00	1.00
Z	16 17	J & K LADAKH	0.95 0.25	1.53 0.07	0.00	0.00	2.48 0.31	0.00	2.48 0.31	0.00	0	0.00	2.48	0.00	2.48
NORTH	18	PUNJAB	27.17	106.53	3.31	0.00	133.70	3.31	137.01	48.62	41.61	0.00 90.23	0.31 182.32	0.00 44.92	0.31 227.24
Ξ	19	CHANDIGARH	0.00	0.09	0.00	0.00	0.09	0.00	0.09	0.00	0	0.00	0.09	0.00	0.09
	20	RAJASTHAN	8.52	8.94	0.60	0.00	17.45	0.60	18.05	0.00	0	0.00	17.45	0.60	18.05
	21	UTTAR PRADESH	15.68	38.91	0.00	0.00	54.59	0.00	54.59	0.00	0	0.00	54.59	0.00	54.59
	22	UTTARAKHAND	0.73	1.25	0.00	0.00	1.98	0.00	1.98	1.88	0	1.88	3.86	0.00	3.86
	Tota	l North Zone	65.59	209.41	6.79	0.00	275.00	6.79	281.79	93.41	50.07	143.48	368.41	56.86	425.27
	23	ANDHRA PRADESH	8.64	2.90	0.00	0.00	11.54	0.00	11.54	17.16	0	17.16	28.70	0.00	28.70
	24	ANDMAN NIKOBAR	0.07	. 0.00	0.00	0.00	0.07	0.00	0.07	0.16	0	0.16	0.23	0.00	0.23
HTUOS	25	TELANGANA	6.68	14.09	0.00	0.00	20.77	0.00	20.77	7.80	0	7.80	28.57	0.00	28.57
HT	26	KERALA	5.89	0.09	0.00	0.00	5.98	0.00	5.98	1.89	0	1.89	7.87	0.00	7.87
	27	KARNATAKA	4.60	5.53	0.00	0.00	10.13	0.00	10.13	0.00	0	0.00	10.13	0.00	10.13
	28	LAKSHDWEEP TAMIL NADU	0.03 6.46	6.02	0.00	0.00	0.03 12.48	0.00	0.03 12.48	0.00 8.92	0	0.00	0.03	0.00	0.03
	30	PUDDUCHERI	0.51	0.00	0.00	0.00	0.51	0.00	0.51	0.00	0	8.92 0.00	21.40 0.51	0.00	21.40 0.51
	Tota	l South Zone	32.87	28.63	0.00	0.00	61.50	0.00	61.50	35.93	0	35.93	97.43	0.00	97.43
	31	GUJARAT	4.93	4.41	0.00	0.00	9.34	0.00	9.34	0.56	0	0.56	9.90	0.00	9.90
	32	DADAR NAGAR HAVELI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00
¥	33	MAHARASHTRA	9.23	8.99	0.00	0.00	18.22	0.00	18.22	6.98	0	6.98	25.20	0.00	25.20
WEST	34	GOA	0.19	0.06	0.00	0.00	0.25	0.00	0.25	0.00	0	0.00	0.25	0.00	0.25
	35	MADHYA PRADESH	4.18	6.90	0.00	0.00	11.08	0.00	11.08	189.16	0.00	189.16	200.24	0.00	200.24
	36	CHHATTISGARH	6.32	13.30	0.00	0.00	19.61	0.00	19.61	15.39	0	15.39	35.00	0.00	35.00
	Tota	al West Zone	24.85	33.65	0.00	0.00	58.50	0.00	58.50	212.09	0.00	212.09	270.59	0.00	270.59
	Gı	rand Total	147.10	289.44	6.79	0.00	436.54	6.79	443.33	370.40	50.07	420.47	806.94	56.86	863.80

## ANNEXURE REFERRED TO IN REPLY TO PART (a) OF THE UNSTARRED QUESTION NO.5206 FOR ANSWER ON 02.04.2025 IN THE LOK SABHA.

				·	Hir	ed & M	anage by	FCI			Total
S. N.	Region	FCI Owned*	CWC	State Govt.	SWC	PEG	Hired Silo	PWS 2010	Others/ Pvt. Parties	Total Hired	FCI (Owned- Hired)
1	Bihar	11	9	1	28	16	2	5	3	64	75
2	Jharkhand	7	3	0	6	21	0	9	1	40	47
3	Odisha	19	6	2	13	0	0	0	0	21	40
4	West Bengal	22	2	0	1	0	1	1	1	6	28
5	Sikkim	1	0	1	0	0	0	0	0	1	2
To	tal East Zone	60	20	4	48	37	3	15	5	132	192
6	Arunachal Pradesh	14	0	0	1	0	0	0	2	3	17
7	Assam	21	3	0	4	1	1	0	5	14	35
8	Manipur	9	0	0	0	0	0	0	0	0	9
9	Nagaland	5	1	0	0	0	0	0	0	1	6
10	Meghalya	4	0	0	3	2	0	0	0	5	9
11	Mizoram	6	0	0	0	0	0	0	0	0	6
12	Tripura	5	1	1	1	0	0	0	0	3	8
	Total NE Zone	64	5	1	9	3	1	0	7	26	90
13	Delhi	6	0	0	0	0	0	0	0	0	6
14	Haryana	35	13	6	85	92	6	6	2	210	245
15	Himachal Pradesh	9	3	0	1	7	0	0	2	13	22
16	Jammu & Kashmir	12	1	1	0	10	0	2	0	14	26
17	Ladakh	4	0	0	0	2	0	0	0	2	6
18	Punjab	121	22	1	244	167	7	1	18	460	581
19	Chandigarh	0	6	0	0	0	0	0	0	6	6
20	Rajashthan	39	14	0	18	3	0	76	0	111	150
21	Uttar Pradesh	49	29	6	112	61	2	2	1	213	262
22	Uttarkhand	4	5	0	11	1	0	0	0	17	21
	<b>Total North Zone</b>	279	93	14	471	343	15	87	23	1046	1325
23	Andhra Pradesh	22	3	0	19	0	0	0	0	22	44
24	And. & Nico.	1	0	0	0	0	0	0	0	0	1
25 26	Karnatka Lakshdweep	21	$\frac{7}{0}$	$\frac{1}{0}$	22	0	0	7	0	39	60
27	Kerela	23	1	0	0	0	0	0	0	0	24
28	Tamilnadu	10	8	1	12	4	2	1	0	28	38
29	Padducherry	4	2	0	2	0	0	0	0	4	8
30	Telangana	11	8	1	46	1	0	16	0	72	83
	<b>Total South Zone</b>	93	29	2	101	7	3	24	0	166	259
31	Chattisgarh	21	8	3	69	3	0	1	1	85	106
32	Gujarat	14	10	2	0	0	3	6	3	24	38
33	D&NH and D&D	0	0	0	0	0	0	0	0	0	0
34	Madhya Pradesh	25	2	0	144	1	0	1	1	149	174
35	Maharashtra	13	5	0	25	2	1	15	1	49	62
36	Goa	1	0	0	0	0	0	0	0	0	1
	Total West Zone	74	25	5	238	6	4	23	6	307	381

ANNEXURE REFERRED TO IN REPLY TO PART (b) TO (d) OF THE UNSTARRED QUESTION NO.5206 FOR ANSWER ON 02.04.2025 IN THE LOK SABHA.

Details of incidents of grain spoilage, pest infestation, or quality deterioration in FCI warehouses along with actions taken by during last five financial years Name Year S.no Name Date of Nature of Brief of complaint Action taken on of of complaint complaints (i.e. complaint Zone Region grain spoilage/pest infestation/quality deterioration in FCI warehouses 1 South NIL 2 West NIL 3 North-NIL East 4 East NIL 5 2020-21 NIL 6 2021-22 23.03.2022 Pest related Weevil attack at Resolved by making Omaxe City, stock pest-free and Patiala intimated accordingly 7 2022-23 11.07.2022 Pest related Regarding Susri Resolved by making problem in FCI stock pest-free and godown,Kotakpura intimated accordingly North Punjab 8 2022-23 21.07.2022 Pest related Menace due to Resolved by making susri/insect from stock pest-free and intimated Fci godowns at Sirhind road patiala accordingly 9 2022-23 Regarding Flying 12.08.2022 | Pest related Resolved by making of Susri From FCI stock pest-free and Depot at Banur intimated accordingly

10	2023-24	03.08.2023	Pest related	infestation of susri at home for 4-5 months	Resolved by making stock pest-free and intimated accordingly
11	2023-24	14.09.2023	Pest related	Problem by Susri coming from FCI Depot (Chinarthal Depot)	Resolved by making stock pest-free and intimated accordingly
12	2023-24	03.10.2023	Pest related	PROBLEM OF WHEAT BEETLE IN HIRA ENCLAVE NABHA	Resolved by making stock pest-free and intimated accordingly
13	2023-24	01.11.2023	Pest related	Red Wheat Beetle (Susri ) in Area in Sunam	Resolved by making stock pest-free and intimated accordingly
14	2024-25	14.06.2024	Pest related	Problem of insect in residential area	Resolved by making stock pest-free and intimated accordingly
15	2024-25	15.06.2024	Pest related	Regarding susri insect	Resolved by making stock pest-free and intimated accordingly
16	2024-25	15.06.2024	Pest related	Regarding susri insect	Resolved by making stock pest-free and intimated accordingly

17	2024-25	Jul-24	Pest related	Regarding susri insect	Resolved by making stock pest-free and intimated accordingly
18	2024-25	20.08.2024	Pest related	infestation of residential area with flour beetle (susri) insect	Resolved by making stock pest-free and intimated accordingly
19	2024-25	10.09.2024	Pest related	menace due to susri	Resolved by making stock pest-free and intimated accordingly

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ANNEXURE REFERRED TO IN REPLY TO PART (e) OF THE UNSTARRED QUESTION NO.5206 FOR ANSWER ON 02.04.2025 IN THE LOK SABHA.

#### (A) Circuit based model established in 2007-08:

S. No	State	Location	Capacity (in LMT)	Type of Depot	Circuit	
1	Punjab	Moga	2.00	Base		
2	Tamil Nadu	Chennai	0.25	Field	Circuit-I	
3	Tamil Nadu	Coimbatore	0.25	Field		
4	Karnatka	Banglore	0.25	Field		
5	Haryana	Kaithal	2.00	Base		
6	Maharashtra	Navi Mumbai	0.50	Field	Circuit-II	
7	West-Bengal	Hoogly	0.25	Field		
	Total			*		

### (B) Location wise List of Silos Completed and taken over under rail/road linked:

SL	State	Location	Agency (FCI/ State	Capacity
SL	State	Location	Govt)	(in LMT)
1	Punjab	Kotkapura	FCI	0.25
2	Punjab	Barnala	FCI	0.50
3	Punjab	Patiala	FCI	0.50
4	Punjab	Sangrur	FCI	1.00
5	Punjab	Sunam	State Govt	0.50
6	Punjab	Malerkotla	State Govt	0.50
7	Punjab	Ahmedgarh	State Govt	0.50
8	Punjab	Bhagtanwala	State Govt	0.50
9	Punjab	Batala	FCI	0.50
10	Punjab	Sahnewal	FCI	0.50
11	Punjab	Chhehreata	FCI	0.50
12	Haryana	Bhattu	FCI	0.50
13	Haryana	Jind	FCI	0.50

	10	tal		17.75
35	Uttar Pradesh	Basti	FCI	0.50
34	Uttar Pradesh	Dhamora	FCI	0.50
33	Uttar Pradesh	Kannauj	FCI	0.50
32	Madhya Pradesh	Indore	State Govt	0.50
31	Madhya Pradesh	Bhopal	State Govt	0.50
30	Madhya Pradesh	Vidisha	State Govt	0.50
29	Madhya Pradesh	Ujjain	State Govt	0.50
28	Madhya Pradesh	Sehore	State Govt	0.50
27	Madhya Pradesh	Satna	State Govt	0.50
26	Madhya Pradesh	Dewas	State Govt	0.50
25	Madhya Pradesh	Hoshangabad	State Govt	0.50
24	Madhya Pradesh	Harda	State Govt	0.50
23	Assam	Changsari	FCI	0.50
22	Bihar	Katihar	FCI	0.50
21	Bihar	Darbhanga	FCI	0.50
20	Bihar	Samasthipur	FCI	0.50
19	Gujarat	Amreli	FCI	0.50
18	Gujarat	Baroda	FCI	0.50
17	Gujarat	Ahmedabad	FCI	0.50
16	Haryana	Rohtak	FCI	0.50
15	Haryana	Panipat	FCI	0.50
4	Haryana	Sonepat	FCI	0.50

ANNEXURE REFERRED TO IN REPLY TO PART (f) OF THE UNSTARRED QUESTION NO.5206 FOR ANSWER ON 02.04.2025 IN THE LOK SABHA.

Modernization steps taken by FCI to keep its storage infrastructure robust and updated:

#### 1. Construction of Silos under PPP Mode:

Steel Silo storage with bulk handling facility is highly mechanized and modernized way of storing food grains in bulk. It ensures better preservation of food grains and enhances its shelf life. If food grains are stored in Silos and transported in bulk, losses due to theft, pilferage and transportation would be negligible compared to food grains storage in bags in conventional warehouses. Steel Silos are constructed under Public Private Partnership Mode.

### 2. Third party assessment of warehouses by FCI from Quality Council of India (QCI)

Third party assessment of all warehouses operated by FCI was undertaken through QCI covering areas like Physical infrastructure, Compliance to SoPs, Safety standards and Benchmarking with best practices. Accordingly, grading of all warehouses was done in six categories namely "Excellent, 5 Star, 4 Star, 3 Star, 2 Star and 1 Star".

Based on QCI feedback, FCI has re-visited/ revised SOPs. An action plan was prepared for upgradation of warehouses. The short and medium term deficiencies were rectified by FCI. Again second round of assessment was undertaken by QCI. FCI has further upgraded the warehouses. The summary of 556 FCI owned warehouses is as under: -

No. of Depots with 5 Star and above category				
First QCI Assessment	Second QCI Assessment	After Up-gradation		
102	382	479		

After up-gradation 479 FCI owned depots falls in 5 star and above category which were 102 in the first assessment done by QCI.

Further Depot self-assessment portal is being developed to monitor infrastructural efficiency (Grading of the Depot) and a mobile app is also being developed for the same.

#### 3. Mechanization of Warehouse operations:

The provision of mandatory mechanized handling has been introduced in the revised handling and transport tenders applicable w.e.f. 11.04.2023 for new contracts, to encourage innovation and modernization of operations. As per the Model Tender Form (MTF) provision the Contractor shall mandatorily bring in **modern technology for loading and unloading operations** at the same quoted price at its own cost. The contractor has to provide mandatorily mechanized loading/unloading points as under:

Capacity of Godown	Mandatorily mechanized loading/unloading points to be provided by Contractor (minimum requirement)
Up to 20000 MT	1
20000 to 40000 MT	2
Above 40000 MT	3

In addition to above the Contractor shall have the option to bring in modern technology for all the loading and unloading points of operations in Depot at the same quoted price at its own cost. In case the contractor doesn't provide mechanized solution as per mandate given above, penalty as stipulated in the tender document shall be levied.

#### 4. Computerization of depot operations

i. The operation of depots was digitized through Depot Online System (DOS) making all transactions digitally verifiable and traceable. This also provides real time visibility of data and transactions happening in depots across the country.

ii. DOS captures weight from weighbridges directly ensuring transparency and accuracy of weighment of stocks.

#### 5. Monitoring of Depot Efficiency:

In order to improve Operational and Financial efficiency at Depot level, an initiative has been taken to develop a model for rating of the depots getting the data from Financial Accounting Package. The operational efficiency of the depots is rated based on the cost parameters viz., Storage loss in Rice, Transit loss in rice, Transit loss in Wheat, Demurrage charges, Handling cost of the depot, Establishment cost of staff, Overtime Allowances (OTA) for staff, across different types of godowns, labour type [Departmental/Direct Payment System (DPS)/ No Work No Pay (NWNP)/Contract]. A Business Analytics Tool has also been deployed to capture the information as well as to provide an interactive platform with data visualization. This can be accessed at all levels of hierarchy to assess and compare the performance of the depots.

Now, Depot efficiency grading is being integrated with Depot Self-Assessment Portal-DSAP (Depot Darpan) & a mobile app is also being developed for the same (for rating/grading infrastructural facilities and operational efficiency).