

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

LOK SABHA

UNSTARRED QUESTION NO. 441  
TO BE ANSWERED ON 05 FEBRUARY, 2019

STORAGE OF FOODGRAINS

441. SHRI LALLU SINGH:

Will the Minister of CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION  
उपभोक्ता मामले, खाद्य और सार्वजनिक वितरण मंत्री be pleased to state:

- (a) the details of the requirement and availability of foodgrains along with the present storage of foodgrains in various States of the country including Uttar Pradesh;
- (b) whether foodgrains are getting damaged during storage and transportation due to various other reasons and if so, the measures taken by the Government to reduce such damage;
- (c) whether foodgrains are being damaged more due to shortage of warehouses; and
- (d) if so, the steps taken by the Government to provide warehouses in adequate number?

A N S W E R

MINISTER OF STATE FOR CONSUMER AFFAIRS, FOOD & PUBLIC DISTRIBUTION  
(SHRI C. R. CHAUDHARY)

(a): The stock of foodgrains in the Central Pool as on 01.01.2019 was 454.12 lakh tons against the corresponding foodgrain stocking norms in the central pool (buffer norms) of 214.10 lakh tons for January-March quarter which includes 50 lakh tons of strategic reserve. The State-wise details of foodgrains stock held by the Food Corporation of India and State Agencies are at Annexure- I.

(b): Foodgrains procured by FCI and all State Government Agencies for the central pool are stored in covered godowns as well as in Covered and Plinth (CAP). Some damage to foodgrains may result due to a various reasons including Natural Calamities like Cyclone/flood etc., transit damages including enroute damage in wagon/truck due to contamination, wagon roof leakage etc. Steps taken by FCI to prevent damage of procured foodgrains are at Annexure II.

(c)& (d): There is sufficient capacity for storage of foodgrains in the country. On the basis of peak stock requirement during normal procurement season, the overall storage capacity required for central pool foodgrains in the country is about 650 Lakh Metric Tonnes (LMT). Against this, the total storage capacity available with Food Corporation of India (FCI), Central Warehousing Corporation (CWC) and State Agencies (both owned and hired capacity), is 851.54 LMT (as on 31.12.2018) comprising 724.79 LMT in covered godowns and 126.75 LMT in Cover and Plinth (CAP) storage.

Government is implementing various schemes to address the requirement of storage facilities in specific areas, as also modernization of storage facilities to prevent storage losses. An action plan for construction of steel silos in the country for a capacity of 100 LMT in Public Private Partnership (PPP) mode for modernizing storage infrastructure and improving shelf life of stored foodgrains is also under implementation.

ANNEXURE REFERRED TO IN REPLY TO PART (a) OF THE UNSTARRED QUESTION NO. 441 DUE FOR ANSWER ON 5<sup>TH</sup> FEBRUARY, 2019 IN THE LOK SABHA

FOOD CORPORATION OF INDIA : HEADQUARTERS:

TOTAL STOCKS OF FOODGRAINS IN CENTRAL POOL AS ON 01.01.2019

क्षेत्र Region	ऑकड़े लाख मीट्रिक टन में (Figs. In lakh MT)								
	भा. खा. नि. का स्टॉक STOCK WITH FCI			राज्य एजेंसियों का स्टॉक STOCK WITH STATE AGENCIES			केन्द्रीय पूल में कुल खाद्यान TOTAL CENTRAL POOL STOCK		
	चावल RICE	गेहूँ WHEAT	योग TOTAL	चावल RICE	गेहूँ WHEAT	योग	चावल RICE	गेहूँ WHEAT	योग TOTAL
2	3	4	5	6	7	8	9	10	
बिहार Bihar	1.83	3.36	5.19	0.01	0.00	0.01	1.84	3.36	5.20
झारखण्ड Jharkhand	1.63	0.66	2.29	0.00	0.00	0.00	1.63	0.66	2.29
ओडिशा Odisha	1.05	1.98	3.03	2.06	0.00	2.06	3.11	1.98	5.09
पश्चिम बंगाल West Bengal	0.73	4.85	5.58	1.83	0.00	1.83	2.56	4.85	7.41
पूर्व अंचल का योग Zonal Total	5.24	10.85	16.09	3.90	0.00	3.90	9.14	10.85	19.99
असम Assam	1.57	0.06	1.63	0.00	0.00	0.00	1.57	0.06	1.63
अरुणाचल प्रदेश Arunachal Pr.*	0.17	0.01	0.18	0.00	0.00	0.00	0.17	0.01	0.18
त्रिपुरा Tripura	0.12	0.00	0.12	0.00	0.00	0.00	0.12	0.00	0.12
मिजोरम Mizoram	0.17	0.00	0.17	0.00	0.00	0.00	0.17	0.00	0.17
मेघालय Meghalaya	0.20	0.01	0.21	0.00	0.00	0.00	0.20	0.01	0.21
मणिपुर Manipur	0.30	0.00	0.30	0.00	0.00	0.00	0.30	0.00	0.30
नागालैंड Nagaland	0.22	0.00	0.22	0.00	0.00	0.00	0.22	0.00	0.22
पूर्वांचल का योग Zonal Total	2.75	0.08	2.83	0.00	0.00	0.00	2.75	0.08	2.83
दिल्ली Delhi	0.13	2.43	2.56	0.00	0.00	0.00	0.13	2.43	2.56
हरियाणा Haryana	14.44	27.69	42.13	0.00	27.52	27.52	14.44	55.21	69.65
हिमाचल प्रदेश Himachal Pr.	0.10	0.33	0.43	0.00	0.00	0.00	0.10	0.33	0.43
जम्मू और कश्मीर J&K	1.29	0.63	1.92	0.00	0.00	0.00	1.29	0.63	1.92
पंजाब Punjab	62.12	19.02	81.14	0.00	69.40	69.40	62.12	88.42	150.54
राजस्थान Rajasthan	0.13	13.42	13.55	0.00	0.00	0.00	0.13	13.42	13.55
उत्तर प्रदेश Uttar Pr.	13.87	22.79	36.66	0.00	0.00	0.00	13.87	22.79	36.66
उत्तराखण्ड Uttarakhand	0.55	0.42	0.97	0.63	0.01	0.64	1.18	0.43	1.61
उत्तर अंचल का योग Zonal Total	92.63	86.73	179.36	0.63	96.93	97.56	93.26	183.66	276.92
आन्ध्र प्रदेश Andhra Pr.	5.79	0.19	5.98	9.28	0.00	9.28	15.07	0.19	15.26
कर्नाटक Karnataka	5.75	0.49	6.24	0.00	0.00	0.00	5.75	0.49	6.24
केरल Kerala	2.73	0.88	3.61	0.28	0.00	0.28	3.01	0.88	3.89
तमिलनाडु Tamil Nadu	9.48	1.09	10.57	1.99	0.00	1.99	11.47	1.09	12.56
तेलंगाना Telangana	12.67	0.31	12.98	6.89	0.00	6.89	19.56	0.31	19.87
दक्षिण अंचल का योग Zonal Total	36.42	2.96	39.38	18.44	0.00	18.44	54.86	2.96	57.82
गुजरात Gujarat	0.40	4.90	5.30	0.00	0.00	0.00	0.40	4.90	5.30
महाराष्ट्र Maharashtra	4.93	11.96	16.89	0.00	0.00	0.00	4.93	11.96	16.89
मध्य प्रदेश Madhya Pr.	0.08	2.62	2.70	4.30	51.62	55.92	4.38	54.24	58.62
छत्तीसगढ़ Chhattisgarh	2.23	0.46	2.69	6.61	0.00	6.61	8.84	0.46	9.30
पश्चिम अंचल का योग Zonal Total	7.64	19.94	27.58	10.91	51.62	62.53	18.55	71.56	90.11
योग Total	144.68	120.56	265.24	33.88	148.55	182.43	178.56	269.11	447.67
*मण्डियों में गेहूँ Wheat lying in mandies	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
परिचालन में स्टॉक Stock in Transit	4.35	2.10	6.45	0.00	0.00	0.00	4.35	2.10	6.45
महायोग Total (All India)	149.03	122.66	271.69	33.88	148.55	182.43	182.91	271.21	454.12

\* Stock position of Arunachal Pradesh is of 01.11.2018

1. Transit figures are estimated.

2. Rice does not include unmilled paddy with FCI/State Agencies in terms of rice.

3. Total quantity of unmilled paddy with FCI and State Agencies = 274.16 LMT (FCI 0.80 LMT; State Agencies 273.36 LMT). CMR that could be derived taking out-turn ratio as 67% = 183.69 LMT.

4. Format of stock position has been revised w.e.f. 1.9.2013. In earlier format, rice included unmilled paddy lying with FCI and State Agencies in terms of rice, therefore, for any trend analysis of level of stocks with previous years, the figures in preceding note shall be added in the total stock of rice.

Fig. In lakh MT

STOCKING NORMS  
w.e.f. 22.01.2015

As on	Operational Stock			Strategic Reserve		Grand Total
	Rice	Wheat	Total	Rice	Wheat	
1st April	115.80	44.60	160.40	20.00	30.00	210.40
1st July	115.40	245.80	361.20	20.00	30.00	411.20
1st October	82.50	175.20	257.70	20.00	30.00	307.70
1st January	56.10	108.00	164.10	20.00	30.00	214.10

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ANNEXURE REFERED TO IN REPLY TO PART (b) OF THE UNSTARRED QUESTION NO. 441 DUE ON 05.02.2019 IN THE LOK SABHA

**STEPS TAKEN BY FCI FOR SAFE STORAGE OF PROCURED FOODGRAINS TO AVOID DAMAGE**

Foodgrains are procured strictly in accordance with the uniform specifications communicated by Govt of India.

2. Foodgrains procured by F.C.I. and State Govts/Agencies are stored in covered godowns as well as in CAP (cover and plinth).

3. During storage, the following steps are taken for safe storage and preservations of foodgrains:

- (i) All godownsare constructed as per specifications.
- (ii) Foodgrains are stored by adopting proper scientific code of storage practices.
- (iii) Adequate dunnage materials such as wooden crates, bamboo mats, polythene sheets are used to check migration of moisture from the floor to the foodgrains.
- (iv) Fumigation covers, nylon ropes, nets and insecticides for control of stored grain insect pests are provided in all the godowns.
- (v) Prophylactic (spraying of insecticides) and curative treatments (fumigation) are carried out regularly and timely in godowns for the control of stored grain insect pests.
- (vi) Effective rat control measures, both in covered godowns as well as in CAP storage are used.
- (vii) Foodgrains in 'Cover and Plinth' (CAP) storage are stored on elevated plinths and wooden crates are used as dunnage material. Stacks are properly covered with specifically fabricated low-density black polythene water -proof covers and tied with nylon ropes/nets.

- (viii) Regular periodic inspections of the stocks/godowns are undertaken by qualified and trained staff and all senior officers. The health of the foodgrains is monitored at regular intervals by a system of checks and super checks at different levels. Following Checks and Super checks are conducted in the godowns by FCI to ensure proper preservation of foodgrains in the storage.
- (a) Fortnightly inspection of stocks on 100% basis by Technical Assistant.
  - (b) Monthly inspection by Manager(QC)
  - (c) Quaterly inspection by AGM(QC)
  - (d) Super Checks by Regional, Zonal and FCI Hqrs Squads.
- (ix) The principle of "First in First Out" (FIFO) is followed to the extent possible so as to avoid longer storage of foodgrains in godowns.
- (x) Only covered rail wagons are used for movement of foodgrains so as to avoid damage during transit.
- (xi) Damage Monitoring Cells have been set up at District, Regional and Zonal levels to regularly monitor quality of stocks and reduce damages.
- (xii) Identify & repair all the leakage point in the roof.
- (xiii) Cleaning of drainages in the godown premises ensured.
- (xiv) Ensure no seepage inside the godowns.
- (xv) No clogging up of water in the premises.
- (xvi) Immediate action to segregate & recondition of the stocks whenever it gets affected.

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