

Rotting of foodgrains

†1368. SHRI NAZIR AHMED LAWAY:

MIR MOHAMMAD FAYAZ:

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

(a) the details of the cereals which rotted/was wasted in the godowns of Food Corporation of India during the last five years, State-wise, cereal-wise, year-wise and price-wise;

(b) the reasons therefor;

(c) the action taken by Government in this regard; and

(d) the measures taken by Government to prevent the wastage of cereals every year in future?

THE MINISTER OF CONSUMER AFFAIRS, FOOD AND PUBLIC DISTRIBUTION (SHRI RAMVILAS PASWAN): (a) and (b) Foodgrains are stored by Food Corporation of India (FCI) in scientific manner in covered godowns and in CAP (Cover & Plinth) storage. Scientific code of practices for safe storage of foodgrains are followed during storage. In spite of all precautions, some quantity of foodgrains may get damaged/become non-issuable during storage due to various reasons such as storage pest's attack, leakages in godowns, procurement of poor quality stocks, exposure to rains, floods, negligence on the part of concerned persons in taking precautionary measures etc. State-wise, commodity-wise and price-wise details of foodgrain stocks accrued as damaged/non-issuable during the last five years and the current year in FCI godowns is given in the Statements-I, II, III, IV, V and VI (*See below*).

(c) Disciplinary action has been taken against the erring officers/officials of FCI for damage of foodgrains due to various reasons. Number of officers/officials against whom action has been taken during the last five years and current year are as under:

Year	No. of person against whom action taken
2010-11	20
2011-12	19
2012-13	15
2013-14	50
2014-15	77
2015-16 (Upto June, 2015)	13

(d) The steps taken by Government to preserve the quality of procured food grains during storage to avoid damage are given in the Statement-VII.

†Original notice of the question was received in Hindi.

Statement-I

Region-wise, commodity-wise value of damaged foodgrains accrued in FCI during 2010-11

Sl. No.	Zone/Region	Total accrued Quantity of damaged Wheat (In MTs)	Value of Damaged Wheat (in ₹) Calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 6600/MT	Total accrued Quantity of damaged Rice (In MTs)	Value of Damaged Rice (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 8514.7/MT	Total value of damaged foodgrains (in ₹)
1	2	3	4	5	6	7
East Zone						
1.	Bihar	112	739200	88	749293.6	1488493.6
2.	Jharkhand	39	257400	0	0	257400
3.	Odisha	18	118800	0	0	118800
4.	West Bengal	23	151800	899	7654715.3	7806515.3
	ZONE TOTAL	192	1267200	987	8404008.9	9671208.9
NE Zone						
5.	Assam	2	13200	47	400190.9	413390.9
6.	Nef(Megh./Mizo/T.Pura)	0	0	175	1490072.5	1490072.5
7.	Nagaland & Manipur	0	0	1	8514.7	8514.7
	ZONE TOTAL	2	13200	223	1898778.1	1911978.1
North Zone						
8.	Delhi	1	6600	0	0	6600
9.	Haryana	28	184800	25	212867.5	397667.5

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1	2	3	4	5	6	7
10.	Punjab	67	442200	115	979190.5	1421390.5
11.	Rajasthan	21	138600	0	0	138600
12.	Uttar Pradesh	518	3418800	2	17029.4	3435829.4
13.	Uttrakhand	931	6144600	407	3465482.9	9610082.9
	ZONE TOTAL	1566	10335600	549	4674570.3	15010170.3
South Zone						
14.	Andhra Pradesh	0	0	3	25544.1	25544.1
15.	Kerala	37	244200	62	527911.4	772111.4
16.	Karnatka	0	0	17	144749.9	144749.9
17.	Tamil Nadu	0	0	12	102176.4	102176.4
	ZONE TOTAL	37	244200	94	800381.8	1044581.8
West Zone						
18.	Gujarat	148	976800	2447	20835470.9	21812270.9
19.	Maharashtra	49	323400	48	408705.6	732105.6
20.	Madhya Pradesh	1	6600	1	8514.7	15114.7
21.	Chhattisgarh	2	13200	0	0	13200
	ZONE TOTAL	200	1320000	2496	21252691.2	22572691.2
COUNTRY TOTAL		1997	13180200	4349	37030430.3	50210630.3

*Note : 1. MSP of the crop year in which stocks were detected as damaged has been adopted as a base.

2. The value is estimated based on the assumption that stocks have been liquidated under Feed-I category.

Statement-II

Statement showing value of damaged foodgrains accrued in FCI during 2011-12

Sl. No.	Zone/Region	Total accrued quantity of damaged wheat (In MTs)	Value of damaged wheat (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 6720/MT	Total accrued quantity of damaged rice (In MTs)	Value of damaged rice (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 8960/MT	Total value of damaged foodgrains (in ₹)
1	2	3	4	5	6	7
East Zone						
1.	Jharkhand	17	114240	12	107520	221760
2.	Odisha	36	241920	0	0	241920
3.	West Bengal	103	692160	374	3351040	4043200
	ZONE TOTAL	156	1048320	386	3458560	4506880
Ne Zone						
4.	Assam	428	2876160	14	125440	3001600
	ZONE TOTAL	428	2876160	14	125440	3001600
North Zone						
5.	Delhi	10.9	73248	0	0	73248
6.	Punjab	0	0	37	331520	331520
7.	Rajasthan	30	201600	0	0	201600
8.	Uttar Pradesh	33	221760	225	2016000	2237760

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1	2	3	4	5	6	7
9.	Uttarakhand	72	483840	0	0	483840
	ZONE TOTAL	145.9	980448	262	2347520	3327968
South Zone						
10.	Andhra Pradesh	0.26	1747.2	4.07	36467.2	38214.4
11.	Kerala	3	20160	197	1765120	1785280
12.	Tamil Nadu	1	6720	28	250880	257600
	ZONE TOTAL	4.26	28627.2	229.07	2052467.2	2081094.4
West Zone						
13.	Gujarat	222	1491840	4	35840	1527680
14.	Maharashtra	1444	9703680	29	259840	9963520
15.	Chhattisgarh	1.45	9744	12.33	110476.8	120220.8
	ZONE TOTAL	1667.45	11205264	45.33	406156.8	11611420.8
COUNTRY TOTAL		2401.61	16138819.2	936.4	8390144	24528963.2

*Note : 1. MSP of the crop year in which stocks were detected as damaged has been adopted as a base.

2. The value is estimated based on the assumption that stocks have been liquidated under Feed-I category.

Statement-III

Statement showing value of damaged foodgrains accrued in FCI during 2012-13

Sl. No.	Zone/Region	Total accrued quantity of damaged wheat (In MTs)	Value of damaged wheat (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 7710/MT	Total accrued quantity of damaged rice (In MTs)	Value of damaged rice (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 9660/MT	Total value of damaged foodgrains (in ₹)
1	2	3	4	5	6	7
East Zone						
1.	Bihar	833.5	6426285	163.8	1582308	8008593
2.	Jharkhand	1.42	10948.2	2.01	19416.6	30364.8
3.	Odisha	1	7710	0	0	7710
4.	West Bengal	0	0	45	434700	434700
	ZONE TOTAL	835.92	6444943.2	210.81	2036424.6	8481367.8
Ne Zone						
5.	Assam	0	0	51.54	497876.4	497876.4
6.	Arunachal Pradesh	0	0	195	1883700	1883700
	ZONE TOTAL	0	0	246.54	2381576.4	2381576.4
North Zone						
7.	Delhi	39.86	307320.6	0	0	307320.6
8.	Haryana	148.04	1141388.4	0	0	1141388.4

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1	2	3	4	5	6	7
9.	Punjab	34	262140	89	859740	1121880
10.	Rajasthan	27.83	214569.3	93	898380	1112949.3
11.	Uttar Pradesh	1	7710	17.3	167118	174828
12.	Uttrakhand	221	1703910	0	0	1703910
	ZONE TOTAL	471.73	3637038.3	199.3	1925238	5562276.3
South Zone						
13.	Andhra Pradesh	24.72	190591.2	0	0	190591.2
14.	Karnatka	107.09	825663.9	34.67	334912.2	1160576.1
15.	Tamil Nadu	743.29	5730765.9	6.37	61534.2	5792300.1
	ZONE TOTAL	875.1	6747021	41.04	396446.4	7143467.4
West Zone						
16.	Gujrat	195	1503450	0	0	1503450
17.	Maharashtra	30	231300	31	299460	530760
18.	Madhya Pradesh	3.02	23284.2	0	0	23284.2
19.	Chhattisgarh	6.46	49806.6	2.52	24343.2	74149.8
	ZONE TOTAL	234.48	1807840.8	33.52	323803.2	2131644
	COUNTRY TOTAL	2417.23	18636843.3	731.21	7063488.6	25700331.9

*Note. 1. MSP of the crop year in which stocks were detected as damaged has been adopted as a base.

2. The value is estimated based on the assumption that stocks have been liquidated under Feed-I category.

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[RAJYA SABHA]

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Statement-IV

Statement showing value of damaged foodgrains accrued in FCI during 2013-14

Sl. No.	Zone/Region	Total accrued quantity of damaged wheat (in MTs)	Value of damaged wheat (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 8100/MT	Total accrued quantity of damaged rice (in MTs)	Value of damaged rice (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 11160/MT	Total value of damaged foodgrains (in ₹)
1	2	3	4	5	6	7
East Zone						
1.	Bihar	802.758	6502339.8	3106.65	34670214	41172553.8
2.	Jharkhand	617.562	5002252.2	4.53	50554.8	5052807
3.	Odisha	159.41	1291221	925.38	10327240.8	11618461.8
4.	West Bengal	7930.69	64238589	4609.16	51438225.6	115676814.6
	ZONE TOTAL	9510.42	77034402	8645.72	96486235.2	173520637.2
Ne Zone						
5.	Assam	3.038	24607.8	177.7	1983132	2007739.8
6.	Arunachal Pradesh	477.557	3868211.7	1350.211	15068354.76	18936566.46
7.	NEF (Megh./Mizo/T.Pura)	0	0	3.3	36828	36828
8.	Nagaland & Manipur	2.829	22914.9	29.429	328427.64	351342.54
	ZONE TOTAL	483.424	3915734.4	1560.64	17416742.4	21332476.8
North Zone						
9.	Delhi	34.328	278056.8	0	0	278056.8

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1	2	3	4	5	6	7
10.	Punjab	53.747	435350.7	18.884	210745.44	646096.14
11.	Rajasthan	13.019	105453.9	0	0	105453.9
12.	Uttar Pradesh	941.332	7624789.2	168.24	1877558.4	9502347.6
13.	Uttarakhand	90.021	729170.1	0	0	729170.1
	ZONE TOTAL	1132.447	9172820.7	187.124	2088303.84	11261124.54
South Zone						
14.	Andhra Pradesh	246.939	2000205.9	228.57	2550841.2	4551047.1
15.	Kerala	58	469800	297	3314520	3784320
16.	Karnataka	8.481	68696.1	37.155	414649.8	483345.9
17.	Tamil Nadu	54.803	443904.3	238.983	2667050.28	3110954.58
	ZONE TOTAL	368.223	2982606.3	801.708	8947061.28	11929667.58
West Zone						
18.	Gujarat	405.453	3284169.3	38.505	429715.8	3713885.1
19.	Maharashtra	1178.1	9542610	56	624960	10167570
20.	Madhya Pradesh	54.077	438023.7	22.865	255173.4	693197.1
21.	Chhattisgarh	197.297	1598105.7	53.452	596524.32	2194630.02
	ZONE TOTAL	1834.927	14862908.7	170.822	1906373.52	16769282.22
COUNTRY TOTAL		13329.441	107968472.1	11366.014	126844716.2	234813188.3

*Note : 1. MSP of the crop year in which stocks were detected as damaged has been adopted as a base.

2. The value is estimated based on the assumption that stocks have been liquidated under Feed-I category.

Statement-V

Statement showing value of damaged foodgrains accrued in FCI during 2014-15

Sl. No.	Zone/Region	Total accrued quantity of damaged wheat (in MTs)	Value of damaged wheat (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 8400/MT	Total accrued quantity of damaged rice (in MTs)	Value of damaged Rice (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 11712/MT	Total value of damaged foodgrains (in ₹)
1	2	3	4	5	6	7
East Zone						
1.	Bihar	8.67	72828	694.98	8139605.76	8212433.76
2.	Jharkhand	0	0	2.67	31271.04	31271.04
3.	Odihsa	3929.478	33007615.2	3179.339	37236418.37	70244033.57
4.	West Bengal	60.72	510048	59.77	700026.24	1210074.24
	ZONE TOTAL	3998.868	33590491.2	3936.759	46107321.41	79697812.61
Ne Zone						
5.	Assam	9.3	78120	87.322	1022715.264	1100835.264
6.	NEF (Megh./Mizo/T.Pura)	0	0	95.416	1117512.192	1117512.192
7.	Nagaland	0	0	38	445056	445056
	ZONE TOTAL	9.3	78120	220.738	2585283.456	2663403.456
North Zone						
8.	Delhi	2.591	21764.4	0	0	21764.4
9.	Jammu and Kashmir	952	7996800	5168	60527616	68524416

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1	2	3	4	5	6	7
10.	Punjab	7.168	60211.2	37.425	438321.6	498532.8
11.	Rajasthan	2.761	23192.4	0	0	23192.4
12.	Uttar Pradesh	301.924	2536161.6	20.11	235528.32	2771689.92
13.	Uttarakhand	7.531	63260.4	0	0	63260.4
	ZONE TOTAL	1273.975	10701390	5225.535	61201465.92	71902855.92
South Zone						
14.	Andhra Pradesh	48.826	410138.4	2213.298	25922146.18	26332284.58
15.	Kerala	62.698	526663.2	334.987	3923367.744	4450030.944
16.	Karnataka	697.597	5859814.8	50.228	588270.336	6448085.136
17.	Tamil Nadu	220.072	1848604.8	156.914	1837776.768	3686381.568
	ZONE TOTAL	1029.193	8645221.2	2755.427	32271561.02	40916782.22
West Zone						
18.	Gujarat	192.588	1617739.2	2.658	31130.496	1648869.696
19.	Maharashtra	35.339	296847.6	68.642	803935.104	1100782.704
20.	Madhya Pradesh	0	0	80.183	939103.296	939103.296
21.	Chhattisgarh	16.421	137936.4	1.6	18739.2	156675.6
	ZONE TOTAL	244.348	2052523.2	153.083	1792908.096	3845431.296
COUNTRY TOTAL		6555.684	55067745.6	12291.542	143958539.9	199026285.5

*Note : 1. MSP of the crop year in which stocks were detected as damaged has been adopted as a base.
2. The value is estimated based on the assumption that stocks have been liquidated under Feed-I category.

Statement-VI

Statement showing cost of damaged foodgrains accrued in FCI during 2015-16 (upto 30.06.2015)

Sl. No.	Zone/Region	Total accrued quantity of damaged wheat (in MTs)	Value of damaged wheat (in ₹) calculated on Tender rate for Feed-1@ 60% of MSP* i.e. ₹ 8700/MT	Total accrued quantity of damaged rice (In MTs)	Cost of damaged rice (in ₹) calculated on Tender rate for Feed-1 @ 60% of MSP* i.e. ₹ 12176.5/MT	Total value of damaged foodgrains (in ₹)
1	2	3	4	5	6	7
East Zone						
1.	Odisha	16.214	141061.8	7.14	86940.21	228002.01
2.	West Bengal	0	0	3.71	45174.815	45174.815
	ZONE TOTAL	16.214	141061.8	10.85	132115.025	273176.825
Ne Zone						
3.	NEF (Megh./Mizo/T.Pura)	0	0	22.973	279730.7345	279730.7345
	ZONE TOTAL	0	0	22.973	279730.7345	279730.7345
North Zone						
4.	Delhi	3.7	32190	0	0	32190
	ZONE TOTAL	3.7	32190	0	0	32190

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1	2	3	4	5	6	7
South Zone						
5.	Andhra Pradesh	683.867	5949642.9	1458.577	17760362.84	23710005.74
6.	Tamil Nadu	15.04	130848	3.66	44565.99	175413.99
	ZONE TOTAL	698.907	6080490.9	1462.237	17804928.83	23885419.73
West Zone						
7.	Gujarat	8.73	75951	0	0	75951
8.	Maharashtra	3.368	29301.6	0	0	29301.6
9.	Chhattisgarh	0.635	5524.5	0	0	5524.5
	ZONE TOTAL	12.733	110777.1	0	0	110777.1
	COUNTRY TOTAL	731.554	6364519.8	1496.06	18216774.59	24581294.39

*Note : 1. MSP of the crop year in which stocks were detected as damaged has been adopted as a base.

2. The value is estimated based on the assumption that stocks have been liquidated under Feed-I category.

Statement-VII*Steps taken to preserve the quality of procured foodgrains to avoid damage*

The following precautionary and remedial steps are mandated to be followed by F.C.I. and State Government agencies for proper upkeep and quality to check damages to central pool stocks of foodgrains:

- (i) All godowns are to be constructed as per specifications.
- (ii) Foodgrains are to be stored by adopting proper scientific code of storage practices.
- (iii) Adequate dunnage materials such as wooden crates, bamboo mats, polythene sheets are to be 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 to be provided in all the godowns.
- (v) Prophylactic (spraying of insecticides) and curative treatments (fumigation) are to be 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 to be used.
- (vii) Foodgrains in 'Cover and Plinth' (CAP) storage are to be stored on elevated plinths and wooden crates are to be used as dunnage material. Stacks are to be 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 to be undertaken by qualified and trained staff and all senior officers.
- (ix) The principle of "First in First Out" (FIFO) is to be followed to the extent possible so as to avoid longer storage of foodgrains in godowns.
- (x) Only covered rail wagons are to be used for movement of foodgrains so as to avoid damage during transit.

Cold Chain Projects

1369. SHRI AHMED PATEL: Will the Minister of FOOD PROCESSING INDUSTRIES be pleased to state:

(a) whether Government has put in place a road-map for providing integrated Cold Chain Projects in Gujarat and rest of the country, if so, the details thereof; and

(b) whether funds have been earmarked for this purpose, if so, the details thereof? THE MINISTER OF STATE FOR FOOD PROCESSING INDUSTRIES (SADHVI NIRANJAN JYOTI) : (a) Yes, Sir. The Ministry of Food Processing Industries