

F. No. 3-1/ 2014-15-CFCC-E&S
GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE
DEPARTMENT OF AGRICULTURE & COOPERATION
(CROP FORECAST COORDINATION CENTRE)

Room No. 344-A, Krishi Bhawan, New Delhi
Dated: 25.05.2015

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 22.05.2015.

Summary observations of the Group on Agenda Items

- *During the week 14th May to 20th May, 2015, the mean maximum temperature were below normal by 2 to 6° C over Tamil Nadu, many parts of Chhattisgarh, some parts of East Madhya Pradesh, Vidarbha, Rayalaseema, South Inter Karnataka and isolated pockets of Coastal Andhra Pradesh and Kerala, above normal by 2 to 4° C over some parts of Saurashtra & Kutch and isolated pockets of East Rajasthan, Gujarat region and West Madhya Pradesh and normal to near normal in remaining parts of the country, Lakshadweep and Andaman & Nicobar Islands.*
- *The mean minimum temperature was above normal by 2 to 4° C over Mizoram and Tripura, many parts of Andaman & Nicobar Islands, some parts of West Rajasthan & isolated pockets of Bihar, Sub-Himalayan West Bengal, Gujarat region, Madhya Maharashtra and West Uttar Pradesh, below normal by 2 to 4° C over many parts of Haryana & Delhi, some parts of Vidarbha and isolated pockets of Jammu & Kashmir, Himachal Pradesh, Punjab, West Uttar Pradesh, Coastal Andhra Pradesh and Telangana and normal to near normal in remaining parts of the country and Lakshadweep.*
- *In the pre-monsoon season, weekly Rainfall for the country as a whole during the week 14th May to 20th May, 2015 was 32% higher than Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was higher by 28% in Central India, 15% in North West India, 4% in East and North East India and 89% in South Peninsula.*
- *In the pre-monsoon season, cumulative Rainfall for the country as a whole during the period 1st March to 20th May, 2015 was 53% higher than Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was higher by 132% in Central India, 107% in North West India, 77% in South Peninsula and lower by 8% in East & North East India.*
- *Out of a total of 36 met sub-divisions, 35 met sub-divisions constituting 98% of the total area of the country has received excess/normal rainfall and 01 met sub-divisions constituting 02% of the total area of the country has received deficient rainfall.*

- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 157.80 BCM at Full Reservoir Level (FRL). Current live storage in these reservoirs as on 21st May, 2015 was 44.79 BCM as against 44.89 BCM on 21.05.2014 (last year) and 33.22 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 100% of the last year's storage and 135% of the normal storage.*
- *The All Commodities inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of April, 2015, decreased to -2.65% from the level of -2.33 in the month of March, 2015. The inflation rate was 5.55% during the corresponding period of last year.*
- *The Primary Articles inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of April, 2015, decreased to -0.25% from the level of 0.08% in the month of March, 2015. The inflation rate was 7.02% during the corresponding period of last year.*
- *The inflation for non-food items has increased to -6.18% from the previous month's level of -7.12% and for the food items has decreased to 5.73% from the previous month's level of 6.31%.*
- *Among the foodgrains, Rice has decreased to -0.04% from the previous month's level of 0.65%, Cereals has to 0.39% from the previous month's level of -0.09%, Wheat to 1.79% from the previous month's level of -1.19%. The inflation for Pulses has increased to 15.38% from the previous month's level of 13.22%.*
- *All-India progressive procurement of Rice as on 22.05.2015 for the marketing season 2014-15 was 277.43 lakh tonnes against the procurement of 272.55 lakh tonnes upto the corresponding period of last year.*
- *All-India progressive procurement of Wheat as on 22.05.2015 for the marketing season 2015-16 was 261.35 lakh tonnes against the procurement of 256.71 lakh tonnes upto the corresponding period of last year.*

Pre-Monsoon Season (March – May) during the week ending on 20th May, 2015

Sub-division-wise daily distribution of rainfall and minimum temperature are shown in **Table-1**

- **Rainfall during the week (14th May, 2015 to 20th May, 2015)** Rainfall was excess/normal in 34 and deficient in 2 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March to 20th May, 2015)** Rainfall was excess/normal in 35 and deficient in 1 out of 36 meteorological sub-divisions.

Table-2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (20.05.2015)				Cumulative (01.03.15 to 20.05.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	7.8	6.8	15	N	206.5	100.0	107	E
Central India	5.7	4.5	28	D	72.0	31.0	132	E
South Peninsular India	37.0	19.6	89	E	163.9	92.4	77	E
East & North-East India	44.3	42.5	4	N	273.7	296.8	-8	N
Country as a whole	18.7	14.1	32	D	163.6	106.7	53	E

E: Excess, N: Normal, D: Deficient, S: Scanty, NR: No Rain.

Source: India Meteorological Department, New Delhi

Table – 3: Category wise comparative distribution of Sub-division (cumulative rainfall) and All-India Percentage Rainfall Departure for the last five years since: 1st March

No. of Sub-Divisions with rainfall	<i>For the period from 1st March to</i>					
	19 MAY 2010	18 MAY 2011	23 MAY 2012	22 MAY 2013	21 MAY 2014	20 MAY 2015
Excess	03	07	05	03	14	29
Normal	06	11	04	09	11	06
Total	09	18	09	12	25	35
Deficient	15	14	19	18	09	01
Scanty	11	03	08	06	02	00
No rain	01	01	00	00	00	00
Total	27	18	27	24	11	01
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 18%	(-) 12%	(-) 24%	(-) 29%	(-) 3%	53%

Source: IMD

1. North-west India - Uttar Pradesh, Rajasthan, Haryana, Chandigarh and Delhi, Punjab, Uttaranchal, Himachal Pradesh, and Jammu and Kashmir.
Central India - Madhya Pradesh, Chhattisgarh, Maharashtra and Gujarat

South Peninsula - Andhra Pradesh, Karnataka, Tamil Nadu & Pondicherry, Kerala and Lakshadweep.

North-east India - Bihar, Jharkhand, Orissa, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Tripura, and Andaman and Nicobar Islands.

Table-1

SUB-DIVISIONWISE DAILY DISTRIBUTION OF RAINFALL AND MAXIMUM & MINIMUM TEMPERATURES - 2015

S.No	METEOROLOGICAL SUB-DIVISIONS	RAINFALL DISTRIBUTION							MAXIMUM TEMPERATURE							MINIMUM TEMPERATURE						
		14 MAY	15 MAY	16 MAY	17 MAY	18 MAY	19 MAY	20 MAY	14 MAY	15 MAY	16 MAY	17 MAY	18 MAY	19 MAY	20 MAY	14 MAY	15 MAY	16 MAY	17 MAY	18 MAY	19 MAY	20 MAY
1	A & N ISLANDS	FWS	ISOL	FWS	WS	FWS	FWS	WS	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2	ARUNACHAL PRADESH	FWS	FWS	WS	WS	SCT	ISOL	ISOL	N	N	N	N	N	N	N	AN	N	N	N	N	N	AN
3	ASSAM & MEGHALAYA	FWS	WS	FWS	WS	SCT	ISOL	ISOL	N	N	N	N	N	N	N	AN	N	N	N	N	N	AN
4	N.M.M.&TRIPURA	ISOL	ISOL	FWS	SCT	FWS	SCT	ISOL	N	N	N	N	N	N	N	AN	N	N	N	N	N	AN
5	S.H.W.B.&SIKKIM	FWS	SCT	SCT	FWS	FWS	FWS	SCT	N	AN	N	N	N	N	N	N	N	N	N	N	N	N
6	GANGETIC W. BENGAL	SCT	ISOL	FWS	FWS	ISOL	SCT	DRY	AN	AN	N	BN	N	N	N	N	N	N	N	N	N	N
7	ODISHA	ISOL	DRY	ISOL	SCT	ISOL	ISOL	DRY	N	N	N	BN	N	N	N	N	N	N	N	N	N	N
8	JHARKHAND	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	DRY	N	N	ABN	N	N	N	N	N	N	N	N	N	N	N
9	BIHAR	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	AN	N	N	N	N	N	N	N	N	N	N	N	N	N
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	ISOL	N	N	N	N	N	N	N	N	N	N	N	N	N	N
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	ISOL	N	N	ABN	N	N	N	N	N	N	N	N	N	N	N
12	UTTARAKHAND	FWS	ISOL	SCT	DRY	DRY	DRY	ISOL	N	N	N	N	N	N	N	AN	N	N	N	N	N	N
13	HAR.CHD. & DELHI	FWS	DRY	ISOL	DRY	DRY	DRY	SCT	N	BN	ABN	N	N	N	N	N	N	N	N	N	N	N
14	PUNJAB	ISOL	SCT	ISOL	DRY	DRY	DRY	ISOL	N	MBN	N	N	N	N	N	AAN	N	N	N	N	N	N
15	HIMACHAL PRADESH	FWS	WS	ISOL	DRY	ISOL	ISOL	ISOL	MBN	BN	N	N	N	N	N	AN	N	N	N	N	N	N
16	JAMMU & KASHMIR	SCT	WS	DRY	DRY	WS	FWS	ISOL	N	AN	AN	N	ABN	N	N	N	N	N	N	N	N	N
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	DRY	DRY	DRY	ISOL	N	N	AN*	AAN*	AN*	N	N	N	N	N	N	N	N	N
18	EAST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	ISOL	N	N	AN	AAN*	AAN*	AN*	AN*	AN	N	N	N	N	N	N
19	WEST M.PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	ISOL	N	BN	N	AN*	AAN	AAN	AN*	N	N	N	N	N	N	N
20	EAST M.PRADESH	ISOL	ISOL	ISOL	ISOL	DRY	DRY	ISOL	MBN	MBN	N	N	N	N	AAN	N	N	N	N	N	N	N
21	GUJ.REG. D.D & N.H	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY	N	N	AAN*	AAN*	N	N	N	N	N	N	N	N	N	N
22	SAURASTRA K & DIU	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY	N	AN	AAN*	AAN*	N	N	N	N	N	N	N	N	N	N
23	KONKAN & GOA	SCT	DRY	ISOL	SCT	ISOL	DRY	DRY	N	AN	N	AN	N	N	N	N	N	N	N	N	N	N
24	M. MAHARASHTRA	FWS	DRY	ISOL	ISOL	ISOL	DRY	DRY	MBN	BN	N	AN	N	N	N	AN	N	N	N	N	N	N
25	MARATHAWADA	SCT	ISOL	ISOL	DRY	DRY	DRY	DRY	MBN	MBN	N	N	AN	AAN*	AAN	N	N	N	N	N	N	N
26	VIDARBHA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY	MBN	MBN	N	N	N	AAN	AAN*	N	N	N	N	N	N	N
27	CHHATTISGARH	ISOL	DRY	ISOL	ISOL	ISOL	DRY	DRY	MBN	N	MBN	ABN	N	N	AAN	N	N	N	N	N	N	N
28	COASTAL A.PRADESH	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	N	N	N	ABN	N	N	N	AN	N	N	N	N	N	N
29	TELANGANA	ISOL	ISOL	FWS	ISOL	ISOL	DRY	ISOL	N	BN	MBN	BN	N	AAN*	AAN*	N	N	N	N	N	N	N
30	RAYALASEEMA	ISOL	ISOL	FWS	SCT	ISOL	ISOL	ISOL	N	N	MBN	ABN	N	N	AAN	N	N	N	N	N	N	N
31	TAMIL & PUDUCHERRY	FWS	SCT	SCT	FWS	FWS	ISOL	ISOL	MBN	N	MBN	ABN	N	N	N	N	N	N	N	N	N	N
32	COASTAL KARNATAKA	WS	FWS	FWS	WS	SCT	FWS	DRY	N	BN	N	N	N	N	N	N	N	N	N	N	N	N
33	N. I. KARNATAKA	SCT	ISOL	SCT	ISOL	SCT	ISOL	ISOL	N	BN	ABN	N	N	N	N	AN	N	N	N	N	N	N
34	S. I. KARNATAKA	FWS	ISOL	FWS	FWS	FWS	SCT	ISOL	N	BN	ABN	N	N	N	N	N	N	N	N	N	N	N
35	KERALA	WS	SCT	FWS	WS	WS	SCT	FWS	N	N	N	BN	N	N	N	N	N	N	N	N	N	N
36	LAKSHADWEEP	FWS	WS	WS	FWS	WS	DRY	FWS	N	N	N	N	N	N	N	N	N	N	N	N	N	N

LEGENDS FOR RAINFALL:
 WS WIDESPREAD / MOST PLACES (76-100%) FWS FAIRLY WIDESPREAD / MANY PLACES (51-75%) SCT SCATTERED/FEW PLACES (26-50%) ISOL ISOLATED (UP TO 25%) DRY NO STATION REPORTED RAINFALL
 RAINFALL ACTIVITY: * ACTIVE (1/2" 1", 4 times the normal & WS/FWS at least 2 stations should be 5 cm, along west coast & 3 cm, elsewhere) ** VIGOROUS (1/2" More than 4 times the normal & WS/FWS, at least 2 stations should be 8 cm, along west coast & 5 cm, elsewhere)

LEGENDS FOR TEMPERATURE:
 N NORMAL (N+1 to N-3)°C BN BELOW NORMAL (N-2)°C ABN APRECIABLY BELOW NORMAL (N-3 to -4)°C MBN MARKEDLY BELOW NORMAL (N-5°C and BELOW)
 AN ABOVE NORMAL (N+2)°C AAN APRECIABLY ABOVE NORMAL (N+3 to +4)°C MAN MARKEDLY ABOVE NORMAL (N+5°C and ABOVE)
 * Heat wave conditions (Max. temp.40°C for plains 30°C for hills & when Normal Max. Temp. 4 40°C dep.5-6°C, > 40°C dep.4-5°C) ** Severe Heat wave conditions (when Normal Max. Temp. 4 40°C dep.7°C or more, > 40°C dep.6°C or more)

Reservoir Status (For the week ending on 21.05.2015)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 74% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **decreased** to 44.79 BCM from the previous week's level of 52.44 BCM. Current storage is **lower** than the last year's position of 44.89 BCM and more than the average of last 10 year's storage of 33.22 BCM.

Table – 4: For 85 major reservoirs of the country

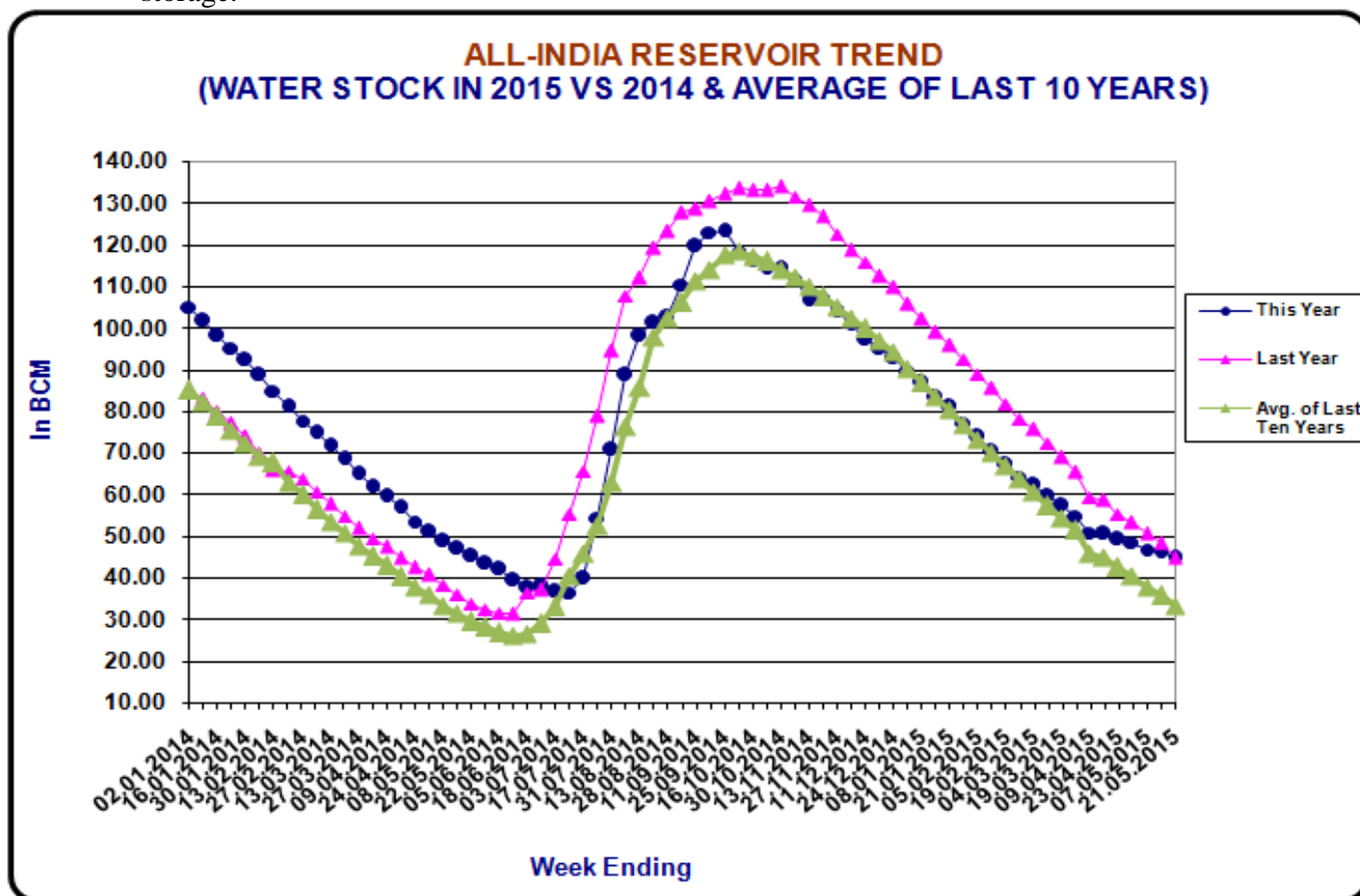
Period	Current Year's Storage as % of FRL*	Current Year's storage as % of last year	Current year as a % of 10 years average level
Current Week	28	100	135
Last Week	33	86	110

The percentage to live capacity at FRL was 28% on 21/05/2014, 21% on 21/05/2013, 23% on 17/05/2012 and 26% on 19/05/2011.

* Live storage as % to Full Reservoir Level (FRL) of 157.80 Billion Cub. Mts.(BCM)

Source: CWC

- There were 67 reservoirs having storage more than 80%, 14 reservoirs having storage between 50% to 80% of Normal Storage, 06 reservoir having storage between 30% to 50% of Normal Storage and 04 reservoir having storage 30% or below of Normal Storage and 02 reservoir having no live storage.



Source: Central Water Commission

* The State wise details (reservoir position) are given in the Annex. III

Fertilizer Position:

Table – 5: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Rabi 2014-15 (As on 21.05.2015)

(in '000 Tonne)

<i>Availability / Sale / Closing Stock</i>	<i>Urea</i>	<i>DAP</i>	<i>MOP</i>	<i>Complex</i>	<i>SSP</i>
<i>Opening Stock as on 01.04.2015</i>	<i>130</i>	<i>224</i>	<i>289</i>	<i>407</i>	<i>256</i>
<i>Requirement for Kharif, 2015</i>	<i>15415</i>	<i>5093</i>	<i>1831</i>	<i>5273</i>	<i>3311</i>
<i>Requirement upto May, 2015</i>	<i>2355</i>	<i>828</i>	<i>254</i>	<i>793</i>	<i>595</i>
<i>Availability upto 21.05.2015</i>	<i>3709</i>	<i>1005</i>	<i>457</i>	<i>1244</i>	<i>601</i>
<i>Sales upto 21.05.2015</i>	<i>2870</i>	<i>464</i>	<i>92</i>	<i>357</i>	<i>184</i>
<i>Closing Stock as on 21.05.2015</i>	<i>839</i>	<i>541</i>	<i>364</i>	<i>888</i>	<i>417</i>

Source: Fertilizer Division (DAC) / Deptt. of Fertilizer

Pest & Diseases:

- The incidence of pest & diseases generally remained below Economic Threshold Level for most of the crops.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

All India Crop Situation - Rabi (2014-15)

Crop Name	Normal Area	Area sown reported (In lakh hectares)			
		3rd Adv. Est. (2014-15)	% of Normal	Final Est. (2013-14)	Difference
Wheat	290.44	303.72	104.6	304.73	-1.0
Rice	43.44	40.28	92.7	46.87	-6.6
Jowar	41.82	33.15	79.3	35.16	-2.0
Maize	13.20	15.18	115.0	17.57	-2.4
Barley	6.75	6.72	99.5	6.74	0.0
Total Coarse Cereals	61.77	55.04	89.1	59.46	-4.4
Total Cereals	395.65	399.04	100.9	411.06	-12.0
Gram	84.14	83.89	99.7	99.27	-15.4
Urad	8.30	8.58	103.4	7.16	1.4
Moong	7.06	8.60	121.8	10.45	-1.9
Total Pulses	132.08	133.42	101.0	148.84	-15.4
Total Foodgrains	527.73	532.46	100.9	559.90	-27.4
Rapeseed & Mustard	62.09	59.99	96.6	66.46	-6.5
Groundnut	8.71	8.08	92.7	8.60	-0.5
Safflower	2.57	1.42	55.1	1.78	-0.4
Sunflower	7.27	3.38	46.5	4.23	-0.9
Linseed	3.46	2.90	84.0	2.93	0.0
Total Oilseeds (Nine)	86.56	75.76	87.5	84.00	-8.2
All- Crops	614.28	608.22	99.0	643.90	-35.7

Table - 6 : Percentage Variations in the Wholesale Price Indices (WPI) of Major items

Period / commodities	Weight	Inflation (year on year)		
		Apr., 2015	Mar., 2015	Apr., 2014
All Commodities	100	-2.65	-2.33	5.55
Primary Articles	20.12	-0.25	0.08	7.02
(a) Food Articles	14.34	5.73	6.31	8.74
Cereals	3.37	0.39	-0.09	8.27
Rice	1.79	-0.04	0.65	12.76
Wheat	1.12	1.79	-1.19	4.42
Pulses	0.72	15.38	13.22	-1.84
Gram	0.33	8.45	3.41	-14.27
Arhar	0.13	23.89	21.41	0.66
Moong	0.08	11.33	14.00	16.51
Masur	0.05	21.93	27.00	12.29
Urad	0.10	24.37	21.89	10.99
Vegetables	1.74	-1.32	9.68	1.62
Potato	0.20	-41.14	-20.66	33.01
Onion	0.18	29.97	36.49	-10.59
Fruits	2.11	14.22	12.60	16.05
Milk	3.24	7.42	7-48	9.19
Egg, Meat & Fish	2.41	4.01	2.62	10.17
(b) Non-Food Articles	4.26	-6.18	-7.12	3.43
Oilseeds	1.78	-1.80	-1.35	0.19
Fuel & Power	14.91	-13.03	-12.56	-13.03

Procurement:**Table – 7: Progressive procurement of Rice as on 22.05.2015 (lakh tonnes)**

State	Total procurement in marketing season 2013-14 (Oct. – Sept.)	Progressive Procurement as on 22.05.2015	
		In Marketing season 2014-2015	In Marketing season 2013-2014
Andhra Pradesh	37.38	31.37	54.37
Telangana	44.00	26.03	0.00
Chhattisgarh	43.0	33.55	42.85
Haryana	24.06	20.09	24.05
Kerala	4.00	3.69	3.42
Madhya Pradesh	10.14	8.07	10.40
Maharashtra	2.00	1.40	1.40
Odisha	28.22	26.63	22.04
Punjab	81.06	77.82	81.06
Tamil Nadu	7.00	0.06	0.59
Uttar Pradesh	11.27	16.44	11.18
Uttarakhand	4.63	4.61	3.96
West Bengal	13.59	14.21	8.83
All-India	319.00	277.43	272.55

Table – 8: Progressive procurement of Wheat as on 22.05.2015 (lakh tonnes)

State	Total procurement in marketing season 2014-15 (April to March.)	Progressive Procurement as on 22.05.2015	
		In Marketing season 2015-2016	In Marketing season 2014-2015
Punjab	116.41	98.18	106.16
Haryana	64.95	67.56	64.14
Uttar Pradesh	6.28	13.82	3.09
Madhya Pradesh	70.94	69.92	67.33
Rajasthan	21.59	11.15	15.93
All-India	280.23	261.35	256.71