

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: 30.03.2015

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 27.03.2015.

Summary observations of the Group on Agenda Items

- *During the week 19th March to 25th March, 2015, the maximum temperature anomaly ranged between -2 to 2° C over entire country except Saurashtra & Kutch, Arunachal Pradesh, Nagaland, many parts of East Uttar Pradesh, East Madhya Pradesh, Himachal Pradesh, Manipur, Andaman & Nicobar Islands, few parts of Gujarat region, West Rajasthan and at isolated parts of West Uttar Pradesh, West Madhya Pradesh and Chhattisgarh. The minimum temperature anomaly during the above period ranged between -2 to 2° C over the entire country except Saurashtra & Kutch, Himachal Pradesh, Uttarakhand, Jharkhand, Madhya Maharashtra, many parts of West Rajasthan, few parts of Gangetic West Bengal, Odisha, East Madhya Pradesh, Gujarat region, Andaman & Nicobar Islands and at isolated parts of Bihar, West Madhya Pradesh, Konkan, Telengana and Coastal Andhra Pradesh.*
- *In the pre-monsoon season, cumulative weekly Rainfall for the country as a whole during the week 19th March to 25th March, 2015 was 90% lower than Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was lower by -85% in East & North East India, -92% in North West India, -94% in Central India and -99% in South Peninsula.*
- *In the pre-monsoon season, cumulative Rainfall for the country as a whole during the period 1st March to 25th March, 2015 was 105% higher than Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was lower by -56% in East & North East India and higher by 135% in South Peninsula, 154% in North West India and 355% in Central India.*
- *Out of a total of 36 met sub-divisions, 26 met sub-divisions constituting 79% of the total area of the country has received excess/normal rainfall, 09 met sub-divisions constituting 20% of the total area of the country received deficient/scanty rainfall and 01 met sub-division constituting 01% of the total area of the country received no rain.*
- *A fresh Western Disturbance would affect Western Himalayan Region and adjoining Plains of North-West India from evening of 28th onwards.*

- *Central Water Commission monitors 85 major reservoirs in the country which have total live capacity of 155.05 BCM at Full Reservoir Level (FRL). Current live storage in these reservoirs as on 26th March, 2015 was 54.96 BCM as against 65.52 BCM on 26.03.2014 (last year) and 51.44 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 84% of the last year's storage and 107% of the normal storage.*
- *All-India progressive procurement of Rice as on 27.03.2015 for the marketing season 2014-15 was 240.66 lakh tonnes against the procurement of 243.94 lakh tonnes upto the corresponding period of last year.*
- *IMD has been generating the yield forecasts of selected crops under the FASAL Scheme. These forecasts once received from IMD may be discussed in the CWWG meetings.*
- *The Plant Protection Division informed that the advisories about South American Pinworm pest traced on Tomato crop have been issued to State Agriculture Departments/ Universities for surveillance the situation and to contain the damage being caused by the South American Pinworm pest.*
- *There has been bumper production of Potato this year in the state of West Bengal. Due to which, the prices of potato have crashed. Though the state government is encouraging farmers to import potato to other states, Fertilizer Division, DAC advised to be involved in the process of unloading/moving out the stock of potato from West Bengal to other states.*

Pre-Monsoon Season (March – May) during the week ending on 18th March, 2015

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

- **Rainfall during the week (19th March, 2015 to 25th March, 2015)** Rainfall was normal in 01, scanty in 13 and no rain in 22 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March to 25th March, 2015)** Rainfall was excess/normal in 26, deficient/scanty in 09 and no rain in 01 out of 36 meteorological sub-divisions.

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

Region	Week Ending (25.03.2015)				Cumulative (01.03.15 to 25.03.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	1.1	12.9	-92	S	102.0	40.2	154	E
Central India	0.1	1.8	-94	S	33.2	7.3	355	E
South Peninsular India	0.0	2.4	-99	S	20.9	8.9	135	E
East & North-East India	2.9	16.8	-85	S	21.3	48.3	-56	D
Country as a whole	0.8	7.8	-90	S	50.0	24.4	105	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	For the period from 1 st March to					
	24 MAR 2010	23 MAR 2011	28 MAR 2012	27 MAR 2013	26 MAR 2014	25 MAR 2015
Excess	04	02	00	09	19	25
Normal	01	01	00	00	06	01
Total	05	03	00	09	25	26
Deficient	02	06	09	09	05	04
Scanty	26	21	15	15	05	05
No rain	03	06	12	03	01	01
Total	31	33	36	27	11	10
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 74%	(-) 34%	(-) 64%	(-) 50%	29%	105%

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							MAXIMUM TEMPERATURE							MINIMUM TEMPERATURE													
		19 MAR	20 MAR	21 MAR	22 MAR	23 MAR	24 MAR	25 MAR	19 MAR	20 MAR	21 MAR	22 MAR	23 MAR	24 MAR	25 MAR	19 MAR	20 MAR	21 MAR	22 MAR	23 MAR	24 MAR	25 MAR							
1	A & N ISLANDS	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	AN	
2	ARUNACHAL PRADESH	SCT	SCT	DRY	DRY	DRY	ISOL	DRY	N	AN	AAN	AAN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
3	ASSAM & MEGHALAYA	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL	AN	AN	AAN	AAN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
4	N.M.M.&TRIPURA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	N	AN	AAN	AAN	N	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	
5	S.H.W.B & SHIKIM	ISOL	DRY	DRY	DRY	ISOL	DRY	DRY	N	N	N	AN	N	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	AN	
6	GANGETIC W. BENGAL	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	ABN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	AN	
7	ODISHA	ISOL	ISOL	DRY	DRY	DRY	DRY	ISOL	N	N	N	AN	AN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY	BN	N	N	N	N	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY	ABN	ABN	N	N	N	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	AN	
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY	ABN	ABN	N	N	N	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	AN	AN	N	N	N	N	N	N	N	N	N	N	N	
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	N	AN	AN	AAN	AN	AAN	AN	N	N	N	N	N	N	N	N	N	N	N	N	N	
13	HAR.CHD. & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	AN	N	AN	N	N	N	N	N	N	N	N	N	N	N	AN	
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	AN	AAN	N	AN	AN	N	N	N	N	N	N	N	N	N	N	N	N	AN	
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	AN	MAN	AN	AAN	MAN	AN	N	N	N	N	N	N	N	N	N	N	N	N	AAN	
16	JAMMU & KASHMIR	ISOL	DRY	DRY	DRY	DRY	DRY	FWS	N	AN	MAN	MAN	MAN	MAN	MAN	AN	N	N	N	N	N	N	N	N	N	N	N	AAN	
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	AN	AAN	AN*	MAN*	MAN*	N	N	N	N	N	N	N	N	N	N	N	N	AN	
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	AN	AAN	AN	AAN	AN	N	N	N	N	N	N	N	N	N	N	N	N	AAN	
19	WEST M.PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY	ABN	BN	N	N	AN	N	AN*	N	N	N	N	N	N	N	N	N	N	N	N	AN	
20	EAST M.PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY	ABN	BN	N	N	N	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	
21	GUJ.REG. D.D & N.H	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	AN	AAN*	MAN*	AAN*	MAN*	N	N	N	N	N	N	N	N	N	N	N	N	AN	
22	SAURASTRA K & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY	AN	AAN	AN	AN	AAN*	AAN*	AAN*	N	N	N	N	N	N	N	N	N	N	N	N	AN	
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	AN	N	N	AN	N	AAN*	N	N	N	N	N	N	N	N	N	N	N	N	N	
24	M. MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	AN	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	AN	
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
26	VIDARHHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY	ABN	BN	N	N	N	AN	N	AN	N	N	N	N	N	N	N	N	N	N	N	N	
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY	BN	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
28	COASTAL A.PRADESH	DRY	ISOL	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
31	TAMIL & PUDUCHERRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	AN	
32	COASTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
33	N. I. KARNATAKA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
34	S. I. KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
35	KERALA	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
LEGENDS FOR RAINFALL																													
WS	WIDESPREAD/ MOST PLACES	FWS	FAIRLY WIDESPREAD/ MANY PLACES					SCT	SCATTERED/FEW PLACES					ISOL	ISOLATED	DRY	DRY/MAINLY DRY												
RAINFALL ACTIVITY		+	ACTIVE					++	VIGOROUS																				
LEGENDS FOR TEMPERATURE																													
N	NORMAL (N,N+1,N-1) °C	BN	BELOW NORMAL (N-2) °C					ABN	APRECIABLY BELOW NORMAL (N-3, -4) °C					MBN	MARKEDLY BELOW NORMAL (N-5 AND BELOW) °C														
		AN	ABOVE NORMAL (N+2) °C					AAN	APRECIABLY ABOVE NORMAL (N+3, +4) °C					MAN	MARKEDLY ABOVE NORMAL (N+5 AND ABOVE) °C														
+	Cold/Heat wave conditions							++	Severe Cold/Heat wave conditions																				

Reservoir Status (For the week ending on 26.03.2015)

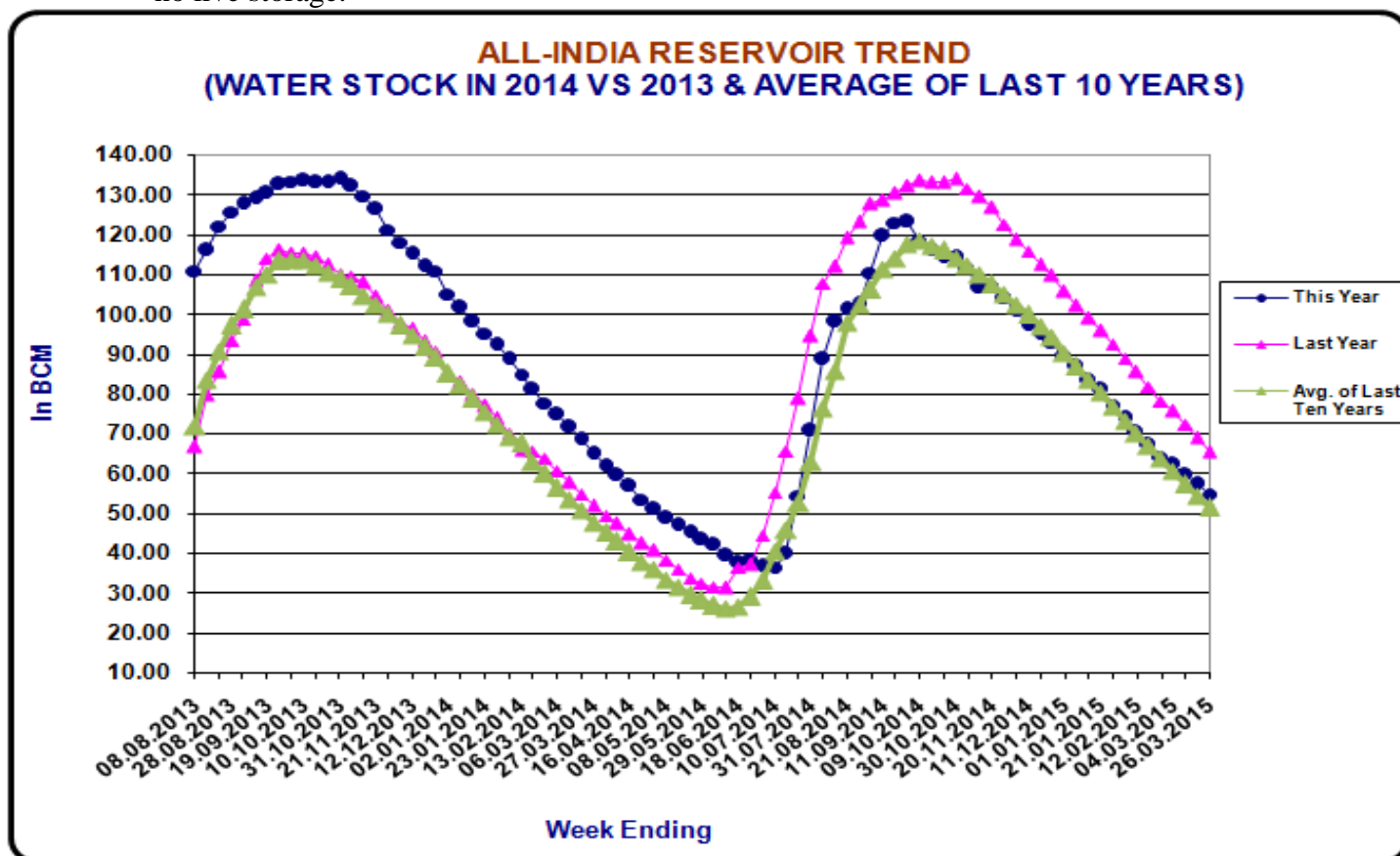
- The Central Water Commission monitors the live storage of **85** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **155.05** billion cubic meters (BCM), which is about 73% of total reservoir capacity in the country.
- Water stock in 85 major reservoirs **decreased** to 54.96 BCM from the previous week's level of 57.45 BCM. Current storage is **lower** than the last year's position of 65.20 BCM and more than the average of last 10 year's storage of 51.44 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	35	84	107
Last Week	37	83	105
The percentage to live capacity at FRL was 42% on 26/03/2014, 34% on 26/03/2013, 35% on 22/03/2012 and 41 on 24/03/2011.			
* Live storage as % to Full Reservoir Level (FRL) of 155.05 Billion Cub. Mts.(BCM)			

Source: CWC

- There were 58 reservoirs having storage more than 80%, 17 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 27.03.2015)

(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 01.10.2014</i>	<i>99</i>	<i>297</i>	<i>243</i>	<i>297</i>	<i>280</i>
<i>Requirement for Rabi, 2014</i>	<i>16011</i>	<i>4787</i>	<i>1541</i>	<i>5022</i>	<i>3508</i>
<i>Requirement upto February, 2015</i>	<i>14990</i>	<i>4481</i>	<i>1373</i>	<i>4467</i>	<i>3207</i>
<i>Availability upto 27.03.2015</i>	<i>16301</i>	<i>3826</i>	<i>2012</i>	<i>4969</i>	<i>2293</i>
<i>Sales upto 27.03.2015</i>	<i>15556</i>	<i>3228</i>	<i>1152</i>	<i>4130</i>	<i>1536</i>
<i>Closing Stock as on 27.03.2015</i>	<i>745</i>	<i>598</i>	<i>861</i>	<i>839</i>	<i>757</i>
<i>Requirement of March, 2015</i>	<i>1021</i>	<i>306</i>	<i>167</i>	<i>554</i>	<i>301</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)			
		2nd Adv. Est. (2014-15)	% of Normal	Final Est. (2013-14)	Difference
Wheat	290.44	302.21	104.1	305.49	-3.3
Rice	43.44	40.90	94.1	46.87	-6.0
Jowar	41.82	31.23	74.7	35.16	-3.9
Maize	13.20	14.32	108.5	17.57	-3.3
Barley	6.75	7.09	105.1	6.74	0.4
Total Coarse Cereals	61.77	52.65	85.2	59.46	-6.8
Total Cereals	395.65	395.75	100.0	411.82	-16.1
Gram	84.14	83.52	99.3	99.27	-15.8
Urad	8.30	8.05	97.0	7.16	0.9
Moong	7.06	5.99	84.9	10.45	-4.5
Total Pulses	132.08	132.03	100.0	148.84	-16.8
Total Foodgrains	527.73	528.01	100.1	560.66	-32.6
Rapeseed & Mustard	62.09	62.01	99.9	66.46	-4.5
Groundnut	8.71	8.36	96.0	8.60	-0.2
Safflower	2.57	1.00	38.7	1.78	-0.8
Sunflower	7.27	3.59	49.3	4.23	-0.6
Linseed	3.46	2.95	85.2	2.93	0.0
Total Oilseeds (Nine)	86.56	77.89	90.0	84.00	-6.1
All- Crops	614.28	605.91	98.6	644.66	-38.8

Source: AS Divisions, DES

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

Period / commodities	Weight	Inflation (year on year)		
		Feb., 2015	Jan., 2015	Feb., 2014
All Commodities	100	-2.06	-0.39	5.03
Primary Articles	20.12	1.43	3.27	6.28
(a) Food Articles	14.34	7.74	8.00	7.94
Cereals	3.37	1.39	1.65	9.22
Rice	1.79	3.80	4.00	13.65
Wheat	1.12	-2.40	-1.63	6.61
Pulses	0.72	14.59	12.34	-5.68
Gram	0.33	3.47	-2.36	-21.46
Arhar	0.13	17.07	12.36	7.35
Moong	0.08	23.88	30.58	13.08
Masur	0.05	26.49	27.07	15.18
Urad	0.10	25.28	26.67	7.48
Vegetables	1.74	15.54	19.74	2.38
Potato	0.20	-3.56	2.11	7.74
Onion	0.18	26.58	-1.90	-27.50
Fruits	2.11	16.84	17.19	9.92
Milk	3.24	7.33	9.13	8.78
Egg, Meat & Fish	2.41	1.27	-1.51	9.66
(b) Non-Food Articles	4.26	-5.55	-4.07	5.46
Oilseeds	1.78	0.05	0.89	-0.64
Fuel & Power	14.91	-14.72	-10.69	-14.72

Procurement:**Table – 7: Progressive procurement of Rice as on 27.03.2015 (lakh tonnes)**

State	Total procurement in marketing season 2013-14 (Oct. – Sept.)	Progressive Procurement as on 27.03.2015	
		In Marketing season 2014-2015	In Marketing season 2013-2014
Andhra Pradesh	37.38	17.20	35.13
Telangana	44.00	15.77	0.00
Chhattisgarh	43.0	33.55	42.85
Haryana	24.06	20.01	24.05
Kerala	4.00	2.02	1.88
Madhya Pradesh	10.14	8.00	10.40
Maharashtra	2.00	1.32	1.26
Odisha	28.22	21.82	18.91
Punjab	81.06	77.81	81.06
Tamil Nadu	7.00	0.06	0.59
Uttar Pradesh	11.27	15.32	10.68
Uttarakhand	4.63	4.29	3.71
West Bengal	13.59	11.98	7.34
All-India	319.00	240.66	243.94