

**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: 19.05.2015

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 15.05.2015.**

**Summary observations of the Group on Agenda Items**

- *During the week 07<sup>th</sup> May to 13<sup>th</sup> May, 2015, the maximum temperature were below normal by 2 to 4<sup>o</sup> C over isolated parts of Tamil Nadu and isolated parts of Kerala, above normal by 2 to 4<sup>o</sup> C over many parts of Haryana, Delhi, Andaman & Nicobar Island and isolated parts of Jammu & Kashmir, Himachal Pradesh, West Uttar Pradesh, Arunnachal Pradesh, East Rajasthan, Madhya Pradesh, Saurashtra and Konkan.*
- *The minimum temperature was below normal by 2 to 4<sup>o</sup> C over isolated parts of West Madhya Pradesh, Vidarbha, Kerala and Coastal Andhra Pradesh and above normal by 2 to 4<sup>o</sup> over Uttarakhand, many parts of Himachal Pradesh, Sub-Himalayan & West Bengal & Sikkim, West Uttar Pradesh, isolated parts of Jammu & Kashmir, West Rajasthan, Gujarat region, Haryana, Delhi, Bihar, Jharkhand and Arunachal Pradesh.*
- *In the pre-monsoon season, weekly Rainfall for the country as a whole during the week 07<sup>th</sup> May to 13<sup>th</sup> May, 2015 was -30% 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 52% in Central India, 19% in North West India, 52% in East and North East India and higher by 13% in South Peninsula.*
- *In the pre-monsoon season, cumulative Rainfall for the country as a whole during the period 1<sup>st</sup> March to 13<sup>th</sup> May, 2015 was 57% 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 150% in Central India, 113% in North West India, 75% in South Peninsula and lower by 9% in East & North East India.*
- *Out of a total of 36 met sub-divisions, 34 met sub-divisions constituting 95% of the total area of the country has received excess/normal rainfall and 2 met sub-divisions constituting 5% 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 14<sup>th</sup> May, 2015 was 46.08 BCM as against 48.53 BCM on 14.05.2014 (last year) and 35.81 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 95% of the last year's storage and 129% of the normal storage.*
- *All-India progressive procurement of Rice as on 15.05.2015 for the marketing season 2014-15 was 271.95 lakh tonnes against the procurement of 267.54 lakh tonnes upto the corresponding period of last year.*
- *All-India progressive procurement of Wheat as on 15.05.2015 for the marketing season 2015-16 was 247.85 lakh tonnes against the procurement of 252.02 lakh tonnes upto the corresponding period of last year.*

## Pre-Monsoon Season (March – May) during the week ending on 13<sup>th</sup> May, 2015

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

- **Rainfall during the week (07<sup>th</sup> May, 2015 to 13<sup>th</sup> May, 2015)** Rainfall was excess/normal in 17 and deficient/scanty in 19 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> March to 13<sup>th</sup> May, 2015)** Rainfall was excess/normal in 34 and deficient in 2 out of 36 meteorological sub-divisions.

**Table-2: Weekly and Cumulative Rainfall in four regions of the country<sup>1</sup>**

Region	Week Ending (13.05.2015)				Cumulative (01.03.15 to 13.05.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	7.6	9.4	-19	N	198.7	93.2	113	E
Central India	1.9	4.0	-52	D	66.3	26.5	150	E
South Peninsular India	17.3	15.3	13	N	127.2	72.8	75	E
East & North-East India	17.9	37.2	-52	D	231.8	254.3	-9	N
Country as a whole	9.2	13.2	-30	D	145.3	92.6	57	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: 1<sup>st</sup> March**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> March to</i>					
	12 MAY 2010	11 MAY 2011	16 MAY 2012	15 MAY 2013	14 MAY 2014	13 MAY 2015
Excess	03	09	05	04	18	28
Normal	06	10	09	09	06	06
<b>Total</b>	<b>09</b>	<b>19</b>	<b>14</b>	<b>13</b>	<b>24</b>	<b>34</b>
Deficient	15	12	17	18	09	02
Scanty	11	04	05	05	03	00
No rain	01	01	00	00	00	00
<b>Total</b>	<b>27</b>	<b>17</b>	<b>22</b>	<b>23</b>	<b>12</b>	<b>02</b>
Data Inadequate	00	00	00	00	00	00
<b>TOTAL</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
<b>All-India % Rainfall Deviation</b>	<b>(-) 19%</b>	<b>(-) 12%</b>	<b>(-) 19%</b>	<b>(-) 28%</b>	<b>3%</b>	<b>57%</b>

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						
		07 MAY	08 MAY	09 MAY	10 MAY	11 MAY	12 MAY	13 MAY	07 MAY	08 MAY	09 MAY	10 MAY	11 MAY	12 MAY	13 MAY	07 MAY	08 MAY	09 MAY	10 MAY	11 MAY	12 MAY	13 MAY
1	A & N ISLANDS	ISOL	ISOL	ISOL	FWS	SCT	FWS	SCT	N	N	N	N	N	N	N	N	N	N	N	N	N	
2	ARUNACHAL PRADESH	SCT	ISOL	DRY	DRY	DRY	SCT	SCT	N	N	N	AN	N	N	N	AN	N	N	AN	AN	N	N
3	ASSAM & MEGHALAYA	SCT	FWS	ISOL	ISOL	ISOL	ISOL	SCT	N	N	AN	AN	N	N	N	AN	N	N	AN	AN	N	N
4	N.M.M.&TRIPURA	DRY	FWS	ISOL	SCT	FWS	FWS	SCT	N	N	N	N	N	N	N	AN	N	N	N	N	N	N
5	S.H.W.B.&SIKKIM	SCT	SCT	DRY	ISOL	FWS	SCT	SCT	N	N	N	N	N	N	N	N	N	N	N	N	N	N
6	GANGETIC W. BENGAL	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL	N	BN	N	N	N	N	N	AN	N	N	AN	AN	N	N
7	ODISHA	ISOL	DRY	ISOL	ISOL	ISOL	ISOL	DRY	N	N	N	AN	N	N	N	N	N	N	AN	N	N	N
8	JHARKHAND	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL	N	N	N	N	N	N	N	N	N	N	AAN	AN	N	N
9	BIHAR	DRY	ISOL	DRY	ISOL	ISOL	ISOL	ISOL	N	BN	N	N	N	N	BN	N	N	N	N	N	N	N
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	N	N	N	AN	N	ABN	BN	N	N	N	N	N	N	N
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	N	N	N	AN	N	AN	N	ABN	N	N	N	N	N	N
12	UTTARAKHAND	DRY	DRY	DRY	DRY	DRY	WS	SCT	N	AN	N	N	N	N	N	N	N	N	AAN	AN	N	N
13	HAR.CHD. & DELHI	DRY	DRY	DRY	DRY	DRY	SCT	ISOL	AN	N	N	AN	N	N	BN	ABN	N	N	N	AN	N	N
14	PUNJAB	DRY	DRY	DRY	DRY	SCT	SCT	SCT	N	AN	AN	AN	AAN	N	BN	ABN	N	N	N	AN	N	N
15	HIMACHAL PRADESH	DRY	DRY	ISOL	ISOL	DRY	WS	WS	AN	AN	AN	AN	AN	N	BN	N	N	N	N	AN	N	N
16	JAMMU & KASHMIR	DRY	ISOL	DRY	ISOL	DRY	WS	WS	AN	AN	N	AN	N	BN	N	N	N	N	AN	AN	N	N
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	SCT	ISOL	N	N	N	N	N	N	ABN	N	N	N	N	N	N	N
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL	N	N	N	N	N	N	N	N	N	N	N	AN	N	N
19	WEST M.PRADESH	DRY	DRY	DRY	ISOL	ISOL	DRY	ISOL	AN	AN	AN	N	N	N	N	N	N	N	N	N	N	N
20	EAST M.PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	N	AN	AN	N	N	N	N	N	N	N	N	N	N	N
21	GUJ.REG. D.D & N.H	DRY	DRY	DRY	DRY	DRY	DRY	ISOL	N	N	N	N	N	N	N	N	N	N	N	N	N	N
22	SAURASTRA K & DIU	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL	N	N	N	AN	N	N	N	N	N	N	N	N	N	N
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	ISOL	SCT	N	AN	N	N	N	N	N	N	N	N	N	N	N	N
24	M. MAHARASHTRA	DRY	ISOL	DRY	SCT	DRY	ISOL	ISOL	N	AN	N	N	N	N	N	N	N	N	N	N	N	N
25	MARATHAWADA	DRY	DRY	DRY	ISOL	DRY	ISOL	ISOL	N	N	N	N	N	N	N	BN	N	N	N	N	N	N
26	VIDARBHA	ISOL	DRY	DRY	ISOL	DRY	ISOL	ISOL	N	AN	AN	N	N	N	N	N	N	N	N	N	BN	N
27	CHHATTISGARH	ISOL	DRY	DRY	DRY	ISOL	DRY	DRY	N	N	N	N	BN	BN	N	BN	N	N	N	N	N	N
28	COASTAL A.PRADESH	ISOL	DRY	ISOL	ISOL	DRY	ISOL	DRY	N	N	N	N	N	N	N	N	N	N	N	N	N	N
29	TELANGANA	ISOL	DRY	DRY	ISOL	DRY	ISOL	DRY	N	N	N	N	BN	N	N	N	N	N	N	N	N	N
30	RAYALASEEMA	ISOL	ISOL	DRY	ISOL	DRY	DRY	ISOL	N	N	N	N	N	N	BN	N	N	N	N	N	N	N
31	TAMIL & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	SCT	SCT	FWS	BN	N	N	N	BN	ABN	ABN	MBN	N	N	N	N	N	N
32	COASTAL KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	SCT	FWS	N	N	N	N	N	N	N	N	N	N	N	N	N	N
33	N. I. KARNATAKA	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	SCT	N	N	N	N	N	N	N	N	N	N	N	N	N	N
34	S. I. KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	SCT	FWS	N	N	N	N	N	N	N	N	N	N	N	N	N	N
35	KERALA	SCT	FWS	FWS	FWS	FWS	WS	WS	N	N	N	N	BN	BN	N	ABN	N	N	N	N	N	N
36	LAKSHADWEEP	FWS	DRY	DRY	WS	WS	WS	WS	N	N	N	N	N	N	N	N	N	N	N	N	N	N

**LEGENDS FOR RAINFALL:**  
**WS** WIDESPREAD / MOST PLACES (75-100%) **FWS** FAIRLY WIDESPREAD / MANY PLACES (51-75%) **SCT** SCATTERED/FEW PLACES (25-50%) **ISOL** ISOLATED (UP TO 25%) **DRY** NO STATION REPORTED RAINFALL  
**RAINFALL ACTIVITY:** \* **ACTIVE** (DT 2<sup>nd</sup> - 4<sup>th</sup> times the normal & WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere) \*\* **VIGOROUS** (DT 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:**  
**BN** BELOW NORMAL (N-2)°C **ABN** APPRECIABLY BELOW NORMAL (N-3 to -4)°C **MBN** MARKEDLY BELOW NORMAL (N-5°C and BELOW)  
**N** NORMAL (N+1 to N-3)°C **AN** ABOVE NORMAL (N+2)°C **AAN** APPRECIABLY 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. ≤ 40°C dep. 5-6°C, > 40°C dep.4-5°C) \*\* **Severe Heat wave conditions** (when Normal Max. Temp. ≤ 40°C dep.7°C or more, > 40°C dep.6°C or more)

## Reservoir Status (For the week ending on 14.05.2015)

- **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 46.08 BCM from the previous week's level of 47.37 BCM. Current storage is **lower** than the last year's position of 48.53 BCM and more than the average of last 10 year's storage of 35.81 BCM.

**Table – 4: For 85 major reservoirs of the country**

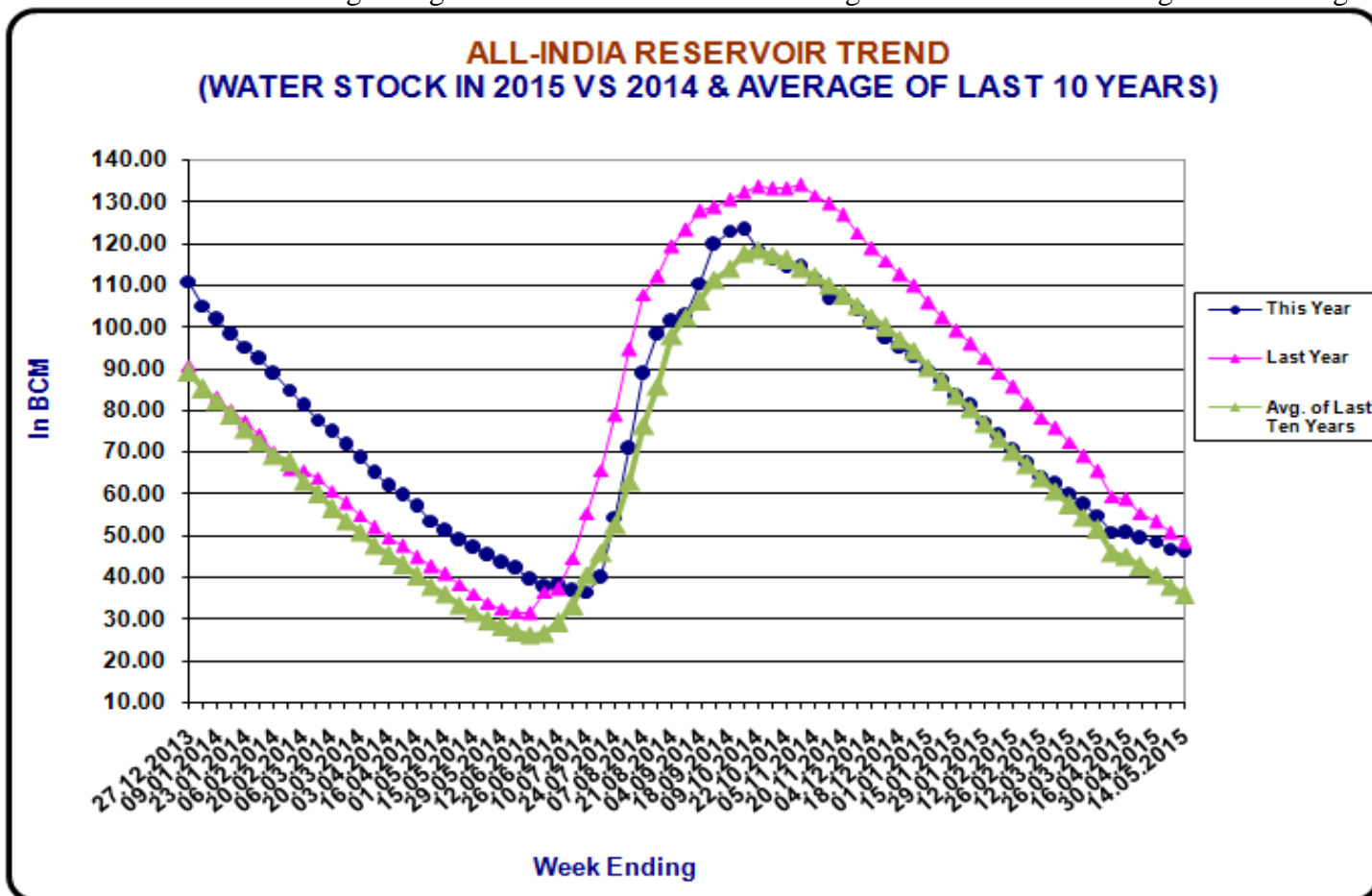
Period	Current Year's Storage as % of FRL*	Current Year's storage as % of last year	Current year as a % of 10 years average level
Current Week	29	95	129
Last Week	33	86	110

The percentage to live capacity at FRL was 31% on 14/05/2014, 22% on 14/05/2013, 23% on 10/05/2012 and 28% on 12/05/2011.

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

Source: CWC

There were 65 reservoirs having storage more than 80%, 15 reservoirs having storage between 50% to 80% of Normal Storage, 08 reservoir having storage between 30% to 50% of Normal Storage and 03 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 14.05.2015)***

*(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 14.05.2015</i>	<i>3208</i>	<i>787</i>	<i>435</i>	<i>1109</i>	<i>524</i>
<i>Sales upto 14.05.2015</i>	<i>2424</i>	<i>373</i>	<i>74</i>	<i>289</i>	<i>154</i>
<i>Closing Stock as on 14.05.2015</i>	<i>785</i>	<i>414</i>	<i>361</i>	<i>820</i>	<i>369</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
<b>Total Coarse Cereals</b>	<b>61.77</b>	<b>52.65</b>	<b>85.2</b>	<b>59.46</b>	<b>-6.8</b>
<b>Total Cereals</b>	<b>395.65</b>	<b>395.75</b>	<b>100.0</b>	<b>411.82</b>	<b>-16.1</b>
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
<b>Total Pulses</b>	<b>132.08</b>	<b>132.03</b>	<b>100.0</b>	<b>148.84</b>	<b>-16.8</b>
<b>Total Foodgrains</b>	<b>527.73</b>	<b>528.01</b>	<b>100.1</b>	<b>560.66</b>	<b>-32.6</b>
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
<b>Total Oilseeds (Nine)</b>	<b>86.56</b>	<b>77.89</b>	<b>90.0</b>	<b>84.00</b>	<b>-6.1</b>
<b>All- Crops</b>	<b>614.28</b>	<b>605.91</b>	<b>98.6</b>	<b>644.66</b>	<b>-38.8</b>

Source: AS Divisions, DES

## Procurement:

Table – 7: Progressive procurement of Rice as on 15.05.2015 (lakh tonnes)

State	Total procurement in marketing season 2013-14 (Oct. – Sept.)	Progressive Procurement as on 15.05.2015	
		In Marketing season 2014-2015	In Marketing season 2013-2014
Andhra Pradesh	37.38	29.09	50.05
Telangana	44.00	23.01	0.00
Chhattisgarh	43.0	33.55	42.85
Haryana	24.06	20.09	24.05
Kerala	4.00	3.59	3.31
Madhya Pradesh	10.14	8.07	10.40
Maharashtra	2.00	1.38	1.34
Odisha	28.22	26.63	21.68
Punjab	81.06	77.82	81.06
Tamil Nadu	7.00	0.06	0.59
Uttar Pradesh	11.27	16.42	11.16
Uttarakhand	4.63	4.61	3.96
West Bengal	13.59	14.15	8.69
All-India	319.00	271.95	267.54

Table – 8: Progressive procurement of Wheat as on 15.05.2015 (lakh tonnes)

State	Total procurement in marketing season 2014-15 (April to March.)	Progressive Procurement as on 15.05.2015	
		In Marketing season 2015-2016	In Marketing season 2014-2015
Punjab	116.41	96.01	109.11
Haryana	64.95	66.92	64.01
Uttar Pradesh	6.28	10.43	2.55
Madhya Pradesh	70.94	64.08	62.23
Rajasthan	21.59	9.79	14.07
All-India	280.23	247.85	252.02