

**F. No. 3-1/ 2016-17-CFCC-E&S**  
**GOVERNMENT OF INDIA**  
**MINISTRY OF AGRICULTURE AND FARMERS WELFARE**  
**DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE**  
**(CROP FORECAST COORDINATION CENTRE)**

Room No. 344-A, Krishi Bhawan, New Delhi  
Dated: 25.04.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
21.04.2017.**

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

- *In the Pre Monsoon season, at All-India level, the rainfall during the week (13<sup>th</sup> April, 2017 – 19<sup>th</sup> April, 2017) has been 78% lower than the Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been lower by 99% in North West India, 84% in Central India, 69% in East & North East India and 62% in South Peninsula.*
- *The cumulative rainfall in the country during the Pre monsoon season i.e. 01<sup>st</sup> March to 19<sup>th</sup> April, 2017 has been 4% lower than the Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher by 21% in East & North East India & 1% in South Peninsula but lower than LPA by 57% in Central India and 16% in North West India.*
- *Out of 36 met sub-divisions, 07 met subdivisions constituting 12% of the total area of the country has received large excess/excess rainfall, 07 met sub-divisions constituting 22% of the total area of the country has received normal rainfall, 12 met sub-divisions constituting 32% of the total area of the country has received deficient, 08 met sub-divisions constituting 30% of the total area of the country has received large deficient rainfall and 02 met subdivisions constituting 04% of the total area of the country has received No Rain.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 157.80 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 116.25 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 20<sup>th</sup> April, 2017 has been 46.02 BCM as against 34.51 BCM on 20.04.2016 (last year) and 43.50 BCM of normal (average of the last 10 years) storage. Current year's storage is 133% of last year's storage and 106% of the average of last 10 year's storage.*
- *The All Commodities inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of March, 2017, decreased to 5.70% from the level of 6.55 in the month of February, 2017. The inflation rate was (-) 0.45% 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 March, 2017, decreased to 4.63% from the level of 5.00% in the month of February, 2017. The inflation rate was 2.97% during the corresponding period of last year.*

- *The inflation for non-food items has decreased to 4.91% from the previous month's level of 6.53% and for the food items has increased to 3.12% from the previous month's level of 2.69%.*
- *Among the foodgrains, the inflation for Rice has increased to 5.07% from the previous month's level of 4.40%. The inflation for Cereals has decreased to 4.97% from the previous month's level of 6.09%, Pulses to -6.09% from the previous month's level of -0.79% and Wheat to 4.65% from the previous month's level of 8.36%.*
- *All-India progressive procurement of Rice as on 21.04.2017 for the Kharif marketing season 2016-17 was 339.85 lakh tonnes against the procurement of 316.65 lakh tonnes in the corresponding period of last year.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

## 1. Pre Monsoon Season (March–May) during the week ending on 19<sup>th</sup> April, 2017

### ➤ Sub-division-wise weekly rainfall forecast is shown in Table-1.1

- **Rainfall during the week (13<sup>th</sup> April, 2017 to 19<sup>th</sup> April, 2017)** Rainfall was large excess/excess in 01 subdivision, deficient/large deficient in 19 and no rain in 16 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> March, 2017 to 19<sup>th</sup> April, 2017)** Rainfall was large excess/excess in 07, normal in 07, deficient/large deficient in 20 and no rain in 02 out of 36 meteorological sub-divisions.

**Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country<sup>1</sup>**

Region	Week Ending (19.04.2017)				Cumulative (01.03.17 to 19.04.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.1	8.2	-99	LD	57.5	68.4	-16	N
Central India	0.4	2.3	-84	LD	6.7	15.5	-57	D
South Peninsular India	3.1	8.2	-62	LD	30.0	29.8	1	N
East & North-East India	7.8	25.3	-69	LD	159.7	131.7	21	E
Country as a whole	2.0	9.0	-78	LD	51.3	53.3	-4	N

LE: Large Excess, E: Excess, N: Normal, D: Deficient, LD: Large Deficient, NR: No Rain.

Source: India Meteorological Department, New Delhi

**Table- 1.3: 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> Mar. to 19<sup>th</sup> Apr., 2017**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> March to 12 <sup>th</sup> April, 2017					
	18 APR 2012	17 APR 2013	16 APR 2014	22 APR 2015	20 APR 2016	19 APR 2017
Large Excess	-	-	-	-	-	03
Excess	03	02	15	29	06	04
Normal	11	07	04	06	09	07
<b>Total</b>	<b>14</b>	<b>09</b>	<b>19</b>	<b>35</b>	<b>15</b>	<b>14</b>
Deficient	11	11	09	01	11	12
Large Deficient	-	-	-	-	-	08
Scanty	09	13	08	00	10	-
No rain	02	03	00	00	00	02
<b>Total</b>	<b>22</b>	<b>27</b>	<b>17</b>	<b>01</b>	<b>21</b>	<b>22</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>(-) 33%</b>	<b>(-)45%</b>	<b>(-)4%</b>	<b>96%</b>	<b>(-)6%</b>	<b>(-)4%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 25<sup>th</sup> Apr.,2017 to 29<sup>th</sup> Apr.,2017 is shown in Table 1.4

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

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

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

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2017								
Sr.No	MET. SUB-DIVISION S	13 APR	14 APR	15 APR	16 APR	17 APR	18 APR	19 APR
1	ANDAMAN & NICOLIBLANDS	8CT	8CT	W8	W8	FW8	8CT	18OL
2	ARUNACHAL PRADESH	DRY	18OL	18OL	W8	8CT	DRY	8CT
3	ASSAM & MEGHALAYA	18OL	18OL	18OL	W8	18OL	DRY	FW8
4	NAGALAND, MIZO & TRIPURA	DRY	DRY	DRY	FW8	8CT	18OL	18OL
5	SUB-HIMAL. BENG. & SIKKIM	18OL	DRY	8CT	FW8	18OL	DRY	8CT
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	18OL
7	ODISHA	DRY	DRY	DRY	DRY	18OL	18OL	18OL
8	JHARKHAND	DRY	DRY	DRY	DRY	18OL	18OL	DRY
9	BIHAR	DRY	DRY	18OL	18OL	DRY	DRY	18OL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	18OL	DRY	DRY	DRY	18OL
13	HARYANA CHD. & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	18OL	DRY	DRY	DRY	DRY
16	JAMMU & KASHMIR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	DRY	DRY	18OL	18OL	18OL
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	18OL	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	18OL	18OL
31	TAMILNADU & PUDUCHERRY	18OL	18OL	DRY	18OL	18OL	18OL	18OL
32	COASTAL KARNATAKA	18OL	18OL	18OL	DRY	DRY	DRY	18OL
33	NORTH INT. KARNATAKA	DRY	DRY	DRY	18OL	DRY	DRY	DRY
34	SOUTH INT. KARNATAKA	18OL	18OL	18OL	18OL	8CT	18OL	8CT
35	KERALA	18OL	8CT	DRY	18OL	18OL	18OL	18OL
36	LAKSHADWEEP	DRY	DRY	8CT	DRY	DRY	DRY	DRY

<b>LEGEND 3:</b>					
W8	WIDE SPREAD / MOST PLACES (75-100%)	FW8	FAMILY WIDE SPREAD / MANY PLACES (51% to 75%)		
8CT	SCATTERED / FEW PLACES (25% to 50%)	18OL	ISOLATED (up to 25%)	DRY	NO STATION REPORTED RAINFALL
* Heavy Rainfall (84.5-113.3 mm)		* Heavy to Very Heavy Rainfall (113.5-204.4 mm)		* Extremely Heavy Rainfall (204.5 mm or more)	

**Table: 1.4**

Met-Sub-Division	25-Apr Today	26Apr Wed	27Apr Thu	28Apr Fri	29Apr Sat
1. Andaman & Nicobar Islands	ISOL	ISOL	SCT	SCT	SCT
2. Arunachal Pradesh	WS	WS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	WS	FWS	FWS	FWS
4. N. M. M. & T.	WS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	SCT	SCT	FWS	FWS
6. Gangetic West Bengal	ISOL	ISOL	ISOL	ISOL	ISOL
7. Odisha	DRY	DRY	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	DRY	DRY	DRY	DRY
9. Bihar	ISOL	DRY	DRY	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	ISOL	ISOL	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	ISOL	ISOL	ISOL	ISOL	ISOL
17. West Rajasthan	DRY	DRY	DRY	ISOL	ISOL
18. East Rajasthan	DRY	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	DRY	DRY	DRY	ISOL	ISOL
30. Rayalaseema	DRY	DRY	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	DRY	DRY	ISOL
33. North Interior Karnataka	DRY	DRY	ISOL	ISOL	ISOL
34. South Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
35. Kerala	ISOL	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

**% Station Reporting Rainfall**

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

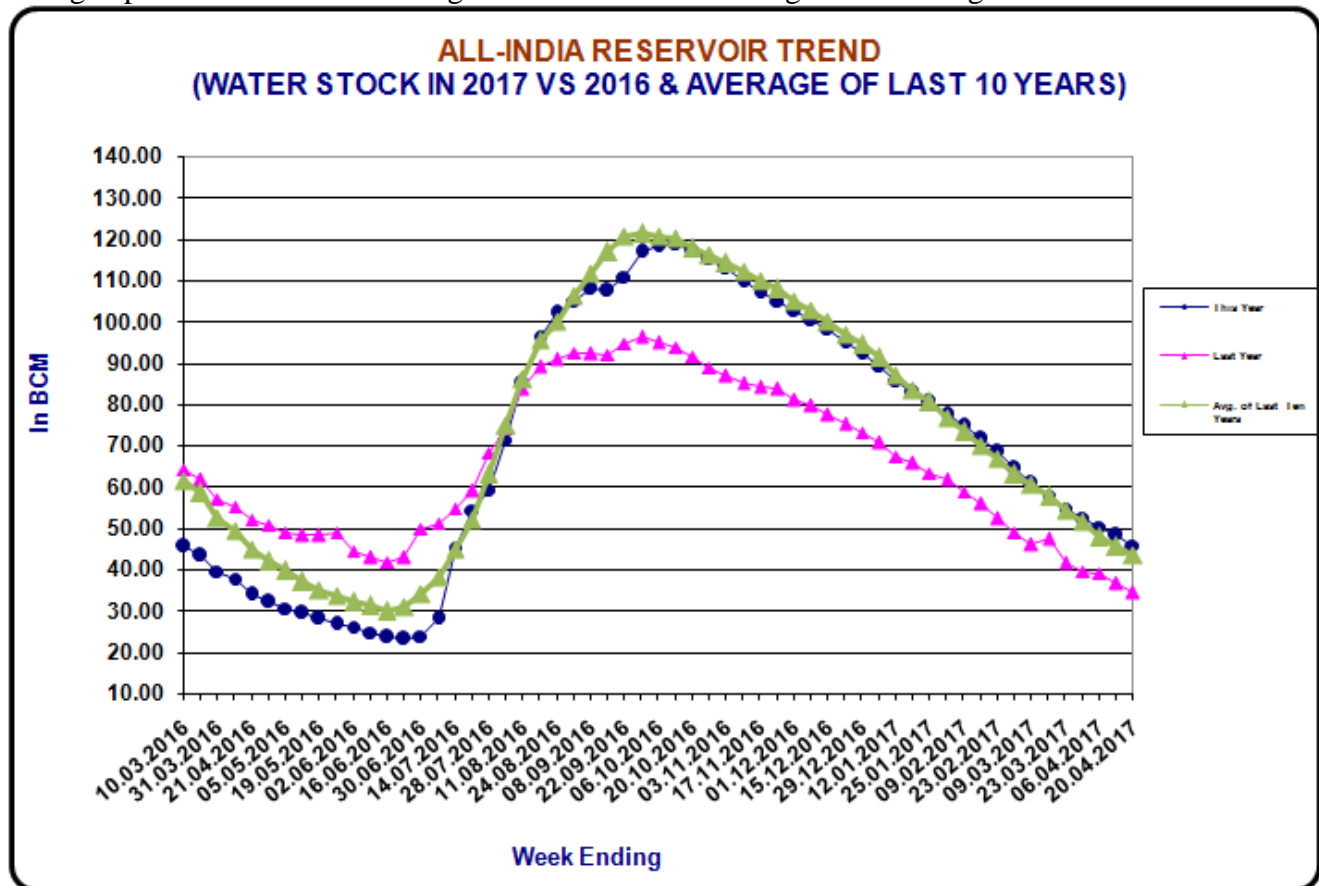
## 2. Reservoir Status (For the week ending on 20.04.2017)

- **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 62% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **decreased** to 46.02 BCM from the previous week's level of 48.42 BCM. Current storage is higher than the last year's position of 34.51 BCM and the average of last 10 year's storage of 43.50 BCM.

**Table – 2.1 : For 91 major reservoirs of the country**

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	29	133	106
Last Week	31	132	106
The percentage to live capacity at FRL was 22% on 20/04/2016, 32% on 20/04/2015, 37% on 20/04/2014 and 28% on 20/04/2013.			
<i>Source: CWC</i>			

There were 51 reservoirs having storage more than 80% of normal storage, 18 reservoirs having storage between 50% to 80%, 08 reservoir having storage between 30% to 50%, 14 reservoirs having storage upto 30% of Normal Storage and 03 reservoirs having no live storage.



### 3. Fertilizer Position:

**Table – 3.1: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Rabi 2016-17 (As on 20.04.2017)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	692	214
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto April, 2017	1750	594	162	419	301
Availability upto 20.04.2017	2455	854	227	894	286
Sales upto 20.04.2017	187	26	30	28	23
Closing Stock upto 20.04.2017	2268	828	197	866	263

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

### 4. Pest & Diseases:

- Incidence of **Fruit fly in Low intensity** on Mango has been reported in Nelamangala Taluk Bangalore Rural districts of Karnataka State. The plant stage is fruit setting.
- Incidence of **Black Headed Caterpillar** (*Opinsina arenosella*) in **Low to Moderate intensity** on Coconut in Nagamangala, Channaayapatna Taluk of Mandya and Hassan districts of Karnataka State respectively.
- Incidence of **Rugose Spiraling whitelfly** (RSW) in **Low to Moderate intensity** on Coconut, in Mangalore Taluk of Dakshina Kannada district of Karnataka State. Infestation of RSW has been reported on other host plants like Banana and Guava same Taluk and district.
- Incidence of **Coffee White Stem Borer**, Red Stem Borer, Mealy Bug, Coffee Short Hole Borer, Coffee berry Borer In **Low intensity** on Coffee in Sakleshpur taluk of Hassan District; Mudigere, Narshimarajapura and Koppa taluk of Chikmagalur district; Madikere Taluk of Madikere district of Karnataka state.
- High incidence of, Yellow Stem Borer, Leaf folder/Case worm, BPH, Blast, Sheath blight, and BLB in Paddy has been reported by State Agriculture Department covering 1186 area in hectare in Bargarh, Balasore, Kalahandi, Bhadrak, Sambalpur, Mayurbhanj, Koraput, Sonepur, Naupada, districts of Odisha.
- High incidence of Thrips, Leaf Eating Caterpillar and Tikka disease on Groundnut has been reported by State Agriculture Department covering 87 area in hectare in Ganjam and Jajpur districts of Odisha state. The crop is at vegetative to peg formation.
- High incidence of Pod borer, Leaf eating Caterpillar, Aphid, Jassids, Leaf spot, Yellow Mosaic Virus and Powdery Mildew on in green gram has been reported by State Agriculture Department covering 491 area in hectare in Balasore, Bolangir, Dhenkanal, Kalahandi, Bhadrak, Koraput, Ganjam, Khurda, Angul, Cuttack and Jajpur district of Odisha state.
- Incidence of Karnal bunt disease in **Low intensity** on Wheat has been reported by State Agriculture Department in some pockets of Saharanpur, Bareilly, Shahjahanpur, Ghaziabad and Bulandsahar districts of Uttar Pradesh state.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.



**5: Percentage Variations in the Wholesale Price Indices (WPI) of Major items**

**Table: 5.1**

Period / commodities	Weight	Inflation (year on year)		
		March, 2017	Feb. 2017	Feb. 2016
<b>All Commodities</b>	<b>100</b>	<b>5.70</b>	<b>6.55</b>	<b>-0.45</b>
<b>Primary Articles</b>	<b>20.12</b>	<b>4.63</b>	<b>5.00</b>	<b>2.97</b>
<b>(a) Food Articles</b>	<b>14.34</b>	<b>3.12</b>	<b>2.69</b>	<b>4.09</b>
<b>Cereals</b>	<b>3.37</b>	<b>4.97</b>	<b>6.09</b>	<b>4.41</b>
Rice	1.79	5.07	4.40	2.18
Wheat	1.12	4.65	8.36	5.89
<b>Pulses</b>	<b>0.72</b>	<b>-6.09</b>	<b>-0.79</b>	<b>34.41</b>
Gram	0.33	32.90	45.14	34.78
Arhar	0.14	-38.28	-37.19	45.08
Moong	0.08	-28.27	-29.06	7.04
Masur	0.05	-23.53	-24.41	12.16
Urad	0.10	-25.30	-21.87	59.82
<b>Vegetables</b>	<b>1.74</b>	<b>5.70</b>	<b>-8.05</b>	<b>-2.03</b>
Potato	0.20	-17.07	-8.84	-6.55
Onion	0.18	-10.78	-18.85	-17.71
Fruits	2.11	7.62	7.14	-2.58
Milk	3.24	3.23	3.93	2.67
Egg, Meat & Fish	2.41	3.13	3.79	3.69
<b>(b) Non-Food Articles</b>	<b>4.26</b>	<b>4.91</b>	<b>6.53</b>	<b>8.49</b>
<b>Oilseeds</b>	<b>1.78</b>	<b>-0.99</b>	<b>0.72</b>	<b>3.52</b>
Fuel & Power	14.91	18.16	21.02	-8.30

6. Progressive procurement of Kharif Rice as on 21.04.2017 (lakh tonnes)

Table: 5.1

State	Total procurement in marketing season 2015-16 (Oct. – Sept.)	Progressive Procurement as on 21.04.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
<b>Andhra Pradesh</b>	<b>43.36</b>	28.45	33.23
<b>Telangana</b>	<b>15.79</b>	12.02	10.94
<b>Chhattisgarh</b>	<b>34.42</b>	46.62	39.72
<b>Haryana</b>	<b>28.61</b>	35.70	28.61
<b>Kerala</b>	<b>3.82</b>	2.71	3.26
<b>Madhya Pradesh</b>	<b>8.49</b>	13.14	8.41
<b>Maharashtra</b>	<b>2.30</b>	2.46	1.60
<b>Odisha</b>	<b>33.69</b>	26.35	25.21
<b>Punjab</b>	<b>93.50</b>	110.47	93.50
<b>Tamil Nadu</b>	<b>11.92</b>	1.41	9.59
<b>Uttar Pradesh</b>	<b>29.10</b>	23.54	29.10
<b>Uttrakhand</b>	<b>5.98</b>	7.06	5.97
<b>West Bengal</b>	<b>15.68</b>	15.90	12.59
<b>All-India</b>	<b>342.18</b>	<b>339.85</b>	<b>316.65</b>