

F. No. 3-1/ 2017-18-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: 20.06.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 16.06.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (08th June, 2017 – 14th June, 2017) has been 12% higher than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher than LPA by 64% in Central India, 37% in South Peninsula but lower than LPA by 27% in East & North East India and 22% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 14th June, 2017 has been 15% higher than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher than LPA by 35% in Central India, 26% in North West India, 24% in South Peninsula but lower than LPA by 6% in East & North East India.*
- *Out of 36 met sub-divisions, 09 met subdivisions constituting 26% of the total area of the country has received large excess, 09 met subdivisions constituting 26% of the total area of the country has received excess rainfall, 10 met sub-divisions constituting 26% of the total area of the country has received normal rainfall and 08 met sub-divisions constituting 22% of the total area of the country has received deficient.*
- *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 15th June, 2017 has been 30.90 BCM as against 24.56 BCM on 15.06.2016 (last year) and 28.93 BCM of normal (average of the last 10 years) storage. Current year's storage is 126% of last year's storage and 107% 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 May, 2017, decreased to 2.17% from the level of 3.85 in the month of April, 2017. The inflation rate was (-) 0.90% 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 May, 2017, decreased to (-)1.79% from the level of 1.82% in the month of April, 2017. The inflation rate was 4.38% during the corresponding period of last year.*

- *The inflation for non-food items has decreased to (-) 0.91% from the previous month's level of (-) 0.16% and for the food items has decreased to (-) 2.27% from the previous month's level of 1.16%.*
- *Among the foodgrains, the inflation for Paddy has decreased to 6.33% from the previous month's level of 8.29%. The inflation for Cereals has decreased to 4.15% from the previous month's level of 6.88%, Pulses to (-) 19.73% from the previous month's level of (-) 13.64% and Wheat to 2.23% from the previous month's level of 6.09%.*
- *As per latest information available on sowing of Kharif crops, around 8.7% of the normal area under Kharif crops has been sown upto 16.06.2017. Area sown under all Kharif crops taken together has been reported to be 92.85 lakh hectares at All India level as compared to 87.59 lakh hectares in the corresponding period of last year.*
- *All-India progressive procurement of Rice as on 16.06.2017 for 2016-17 was 382.70 lakh tonnes against the procurement of 339.17 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 306.46 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

1. **Monsoon Season (June – September) during the week ending on 14th June, 2017**

➤ **Sub-Division wise Weekly Rainfall Forecast is shown in Table-1.1**

- **Rainfall during the week (08th June, 2017 to 14th June, 2017)** Rainfall was large excess/excess in 15 subdivision, normal in 07 and deficient/large deficient in 14 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2017 to 14th June, 2017)** Rainfall was large excess/excess in 18, normal in 10 and deficient in 08 sub-divisions out of 36 meteorological sub-divisions.

Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (14.06.2017)				Cumulative (01.06.17 to 14.06.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	9.7	12.5	-22	D	25.9	20.6	26	E
Central India	43.4	26.5	64	LE	58.7	43.5	35	E
South Peninsular India	45.6	33.2	37	E	80.0	64.3	24	E
East & North-East India	57.1	78.5	-27	D	129.7	138.7	-6	N
Country as a whole	35.7	31.8	12	N	64.1	55.7	15	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: 1st June to 14th June, 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 14th June, 2017</i>					
	13 JUN 2012	12 JUN 2013	11 JUN 2014	17 JUN 2015	15 JUN 2016	14 JUN 2017
Large Excess	-	-	-	-	-	09
Excess	01	25	03	16	06	09
Normal	05	05	05	08	10	10
Total	06	30	08	24	16	28
Deficient	11	03	10	08	14	08
Large Deficient	-	-	-	-	-	00
Scanty	19	03	18	04	06	-
No rain	00	00	00	00	00	00
Total	30	06	28	12	20	08
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 42%	23%	(-) 44%	11%	(-) 25%	15%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 19th to 23rd June, 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-DIVISIONS	08 JUN	09 JUN	10 JUN	11 JUN	12 JUN	13 JUN	14 JUN
1	ANDAMAN & NICO.ISLANDS	WS	SCT	FWS	SCT	DRY	ISOL	DRY
2	ARUNACHAL PRADESH	ISOL	SCT	SCT	SCT	WS	WS	WS
3	ASSAM & MEGHALAYA	ISOL	FWS	ISOL	SCT	WS	WS	WS
4	NAGA.MANI.MIZO.& TRIPURA	SCT	FWS	SCT	WS	WS	WS	SCT
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	ISOL	FWS	ISOL	FWS	FWS	WS
6	GANGETIC WEST BENGAL	ISOL	ISOL	FWS	SCT	FWS	SCT	DRY
7	ODISHA	ISOL	ISOL	SCT	FWS	SCT	SCT	SCT
8	JHARKHAND	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
9	BIHAR	WS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	ISOL	SCT	ISOL	DRY	ISOL	DRY	DRY
12	UTTARAKHAND	FWS	ISOL	SCT	SCT	SCT	ISOL	ISOL
13	HARYANA CHD. & DELHI	SCT	ISOL	ISOL	SCT	DRY	ISOL	ISOL
14	PUNJAB	ISOL	ISOL	ISOL	SCT	ISOL	DRY	ISOL
15	HIMACHAL PRADESH	SCT	ISOL	SCT	SCT	ISOL	ISOL	ISOL
16	JAMMU & KASHMIR	ISOL	FWS	SCT	FWS	ISOL	ISOL	SCT
17	WEST RAJASTHAN	ISOL	SCT	ISOL	SCT	ISOL	ISOL	DRY
18	EAST RAJASTHAN	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	WS	SCT	SCT	SCT	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	SCT	FWS	SCT	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	SCT
24	MADHYA MAHARASHTRA	SCT	SCT	FWS	FWS	FWS	WS	SCT
25	MARATHAWADA	SCT	ISOL	FWS	WS	FWS	WS	FWS
26	VIDARBHA	ISOL	SCT	FWS	FWS	SCT	SCT	FWS
27	CHHATTISGARH	SCT	SCT	SCT	SCT	SCT	FWS	ISOL
28	COASTAL ANDHRA PRADESH	WS	SCT	SCT	SCT	SCT	SCT	SCT
29	TELANGANA	FWS	SCT	SCT	SCT	FWS	FWS	FWS
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INT.KARNATAKA	ISOL	SCT	FWS	FWS	WS	FWS	ISOL
34	SOUTH INT.KARNATAKA	FWS	SCT	FWS	FWS	WS	WS	FWS
35	KERALA	FWS	FWS	WS	WS	WS	WS	WS
36	LAKSHADWEEP	SCT	FWS	WS	WS	FWS	WS	WS
LEGENDS:								
WS	WIDE SPREAD / MOST PLACES (76-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)					
SCT	SCATTERED / FEW PLACES (26% to 50%)	ISOL	ISOLATED (up to 25%)	DRY	NO STATION REPORTED RAINFALL			
* ACTIVE (R/F 1 ^{1/2} - 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)								
** VIGOROUS (R/F More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)								
• Heavy Rainfall (64.5-115.5 mm)			** Heavy to Very Heavy Rainfall (115.6-204.4 mm)			*** Extremely Heavy Rainfall (204.5 mm or more)		

Table: 1.4

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

% 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		

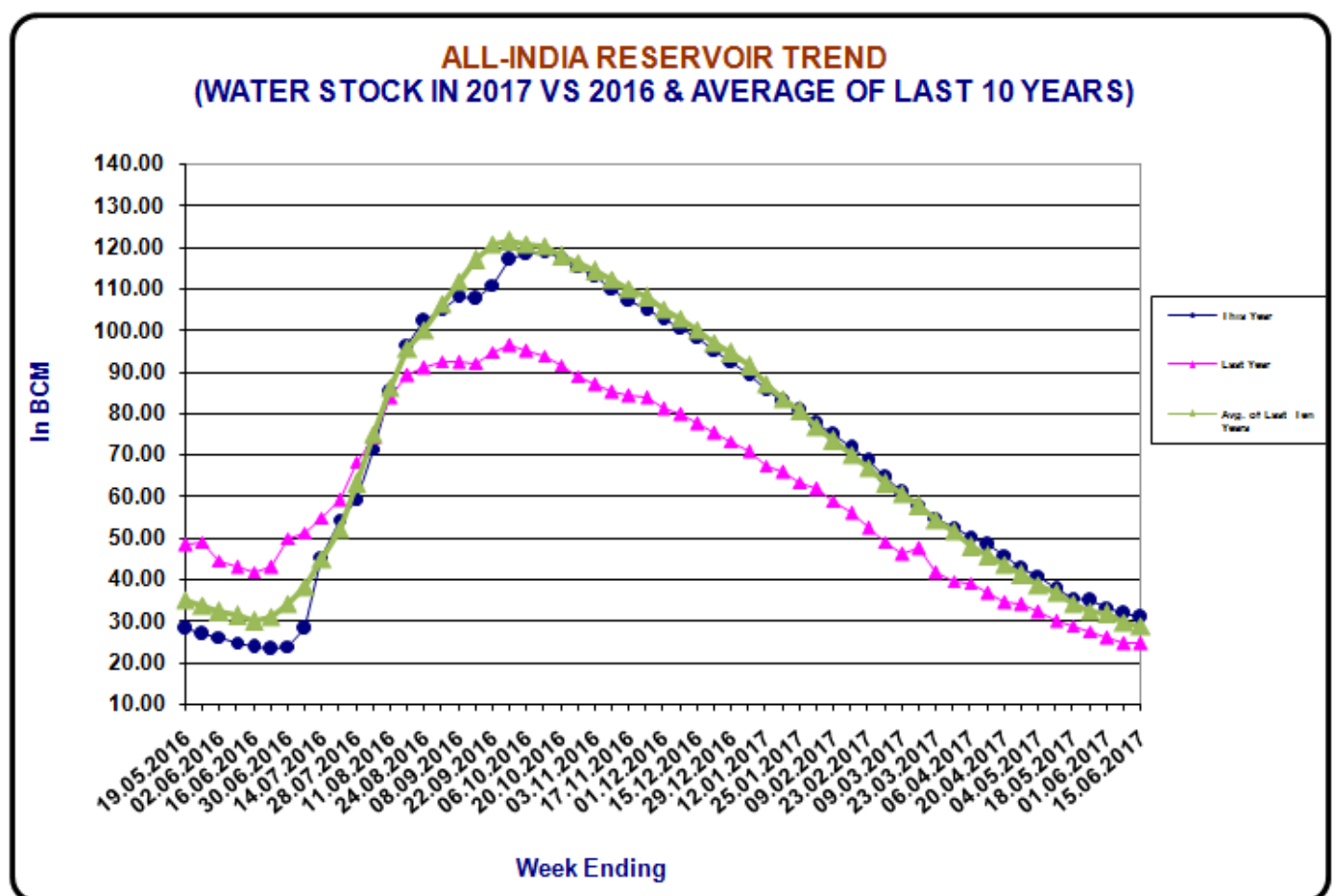
2. Reservoir Status (For the week ending on 15.06.2017)

- **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 30.90 BCM from the previous week's level of 31.86 BCM. Current storage is higher than the last year's position of 24.56 BCM and the average of last 10 year's storage of 28.93 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	20	126	107
Last Week	20	130	107
The percentage to live capacity at FRL was 16% on 15/06/2016, 25% on 15/06/2015, 25% on 15/06/2014 and 21% on 15/06/2013.			
<i>Source: CWC</i>			

There were 44 reservoirs having storage more than 80% of normal storage, 14 reservoirs having storage between 50% to 80%, 12 reservoirs having storage between 30% to 50%, 21 reservoirs having storage upto 30% of Normal Storage and 06 reservoirs having no live storage.



Source: Central Water Commission

3. Fertilizer Position:

Table – 3.1: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Kharif 2016-17 (As on 16.06.2017)

(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 June, 2017	2717	965	338	949	519
Availability upto 16.06.2017	5951	1823	730	1245	808
Sales upto 16.06.2017	3051	787	368	223	457
Closing Stock upto 16.06.2017	2899	1036	362	1022	351

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

4. Pest & Diseases:

- Incidence of Slug caterpillar on Coconut has been reported in **moderate** intensity in Ferrargunj block of South Andaman district of Andaman & Nicobar Island.
- Incidence of Rugose spiralling whitefly on coconut, guava and banana orchard has been reported in Mulki, Karnad, Kolnad and Dharmastana blocks of Mangalore district of Karnataka State in **low to moderate** level.
- Mango growing area should be free from pests under Pest Free Area (PFA) as per NSPM-13. Incidence of Mango nut weevil on Mango has been reported in **traces** in Vizianagaram, West Godavari, Krishna, Prakasham, Chittoor, Kadapa & Kurnool districts of Andhra Pradesh State; in **low** intensity in Krishinagiri district of Tamilnadu State and in **low to moderate** intensity on Mango has been reported in Bengaluru Rural, Kolar, Chikkaballapur & Ramanagara districts of Karnataka State.
- White fly infestation was observed on Fodder Maize in Bhandra block of Nagpur district, as White fly is a serious pest of cotton there may be possibility that white fly may migrate to *Kharif* Cotton, therefore, regular monitoring of White fly and control measures may be taken up at this level so further spread of White fly may be prevented to Cotton.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. All India Crop Situations

Table: 5.1

All India Crop Situation - Kharif (2017-18) as on 16.06.2017							
(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2017	% of Normal for whole season	Last Year 2016	Normal as on date	Last Year
Rice	392.67	6.30	9.22	2.3	9.40	2.9	-0.2
Jowar	25.33	1.08	1.07	4.2	0.97	0.0	0.1
Bajra	81.63	0.60	0.82	1.0	0.61	0.2	0.2
Maize	73.50	6.06	6.01	8.2	5.62	0.0	0.4
Total Coarse Cereals	199.70	8.09	8.44	4.2	7.65	0.4	0.8
Total Cereals	592.37	14.39	17.66	3.0	17.05	3.3	0.6
Tur	40.05	0.54	0.19	0.5	1.06	-0.4	-0.9
Urad	24.39	0.56	0.45	1.8	0.61	-0.1	-0.2
Moong	23.59	0.89	0.64	2.7	1.35	-0.2	-0.7
Kulthi	2.51	0.03	0.00	0.2	0.01	0.0	0.0
Others	17.06	0.73	0.95	5.6	0.61	0.2	0.3
Total Pulses	107.59	2.75	2.22	2.1	3.63	-0.5	-1.4
Total Foodgrains	699.96	17.14	19.88	2.8	20.68	2.7	-0.8
Groundnut	43.77	1.21	0.87	2.0	0.96	-0.3	-0.1
Soyabean	106.36	0.80	0.45	0.4	1.01	-0.3	-0.6
Sunflower	2.61	0.25	0.12	4.5	0.26	-0.1	-0.1
Sesamum	18.24	0.58	0.43	2.4	0.39	-0.1	0.0
Nigerseed	3.15	0.00	0.00	0.0	0.00	0.0	0.0
Castorseed	11.48	0.04	0.01	0.1	0.01	0.0	0.0
Total Oilseeds	185.60	2.88	1.88	1.00	2.63	-1.0	-0.8
Cotton	120.34	22.28	16.67	13.9	12.25	-5.6	4.4
Sugarcane	49.96	44.50	47.52	95.1	44.82	3.0	2.7
Jute & Mesta	8.57	7.39	6.90	80.5	7.22	-0.5	-0.3
All- Crops	1064.42	94.19	92.85	8.7	87.59	-1.3	5.3

Source: Crops & TMOP Divisions, DAC

Note: Area figures are as per eye assessment of State Agriculture Departments.

Normal Area: 5 years average of the area during the period of 2010-11 to 2014-15.

Normal Area as on date: 5 years average of the area during the corresponding period of 2012-13 to 2016-17.

6. Percentage Variations in the Wholesale Price Indices (WPI) of Major items

Table . 6.1

Period / commodities	Weight	Inflation (year on year)		
		May. 2017	Apr. 2017	May. 2016
All Commodities	100	2.17	3.85	-0.90
Primary Articles	22.62	-1.79	1.82	4.38
(a) Food Articles	15.26	-2.27	1.16	6.82
Cereals	2.82	4.15	6.88	6.67
Paddy	1.43	6.33	8.29	3.65
Wheat	1.03	2.23	6.09	8.38
Pulses	0.64	-19.73	-13.64	31.23
Gram	0.26	3.65	15.21	36.71
Arhar	0.13	-43.91	-41.56	37.83
Moong	0.07	-25.76	-25.22	3.98
Masur	0.05	-21.87	-16.60	7.46
Urad	0.09	-36.93	-29.81	54.31
Vegetables	1.87	-18.51	-7.79	13.93
Potato	0.28	-44.36	-40.97	83.98
Onion	0.16	-12.86	-12.47	-34.74
Fruits	1.60	-0.73	0.07	4.27
Milk	4.44	4.47	4.17	1.46
Egg, Meat & Fish	2.40	-1.02	3.52	2.99
(b) Non-Food Articles	4.12	-0.91	-0.16	4.04
Oilseeds	1.12	-10.22	-8.52	0.42
Fuel & Power	13.15	11.69	18.52	11.69

7. Progressive procurement of Rice as on 16.06.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2015-16 (Oct. – Sept.)	Progressive Procurement as on 16.06.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	43.36	36.56	42.95
Telangana	15.79	35.71	15.76
Bihar	12.38	12.34	12.23
Chhattisgarh	34.42	46.62	34.42
Haryana	28.61	35.83	28.61
Kerala	3.82	3.08	3.77
Madhya Pradesh	8.49	13.14	8.41
Maharashtra	2.30	2.89	1.70
Odisha	33.69	32.99	33.69
Punjab	93.50	110.52	93.50
Tamil Nadu	11.92	1.41	10.79
Uttar Pradesh	29.10	23.54	29.10
Uttarakhand	5.98	7.06	5.97
West Bengal	15.68	19.01	15.38
All-India	342.18	382.70	339.17

8. Progressive procurement of Wheat as on 16.06.2017 (lakh tonnes)

Table: 8.1

State	Total procurement in marketing season 2016-17 (April – March)	Progressive Procurement as on 16.06.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	67.52	74.11	67.52
Madhya Pradesh	39.92	67.24	39.92
Punjab	106.49	117.05	106.49
Rajasthan	7.62	12.27	7.62
Uttar Pradesh	7.97	35.62	7.97
All-India	229.62	306.46	229.62