

F. No. 3-1/ 2018-19-CFCC-ES
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: 18.06.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 15.06.2018.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (07th June, 2018 – 13th June, 2018) has been 38% 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 126% in South Peninsula and 79% in Central India but lower than LPA by 21% in East & North East India and 14% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 13th June, 2018 has been 19% 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 79% in South Peninsula and 56% in Central India but lower than LPA by 31% in East & North East India and 12% in North West India.*
- *Out of 36 met sub-divisions, 21 met subdivision constituting 52% of the total area of the country has received large excess/excess rainfall, 5 met sub-divisions constituting 14% of the total area of the country has received normal rainfall, 10 met subdivisions constituting 34% of the total area of the country has received deficient/large deficient rainfall.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 161.99 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 120.44 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 14th June, 2018 has been 28.41 BCM as against 31.07 BCM on 14.06.2017 (last year) and 29.23 BCM of normal (average of the last 10 years) storage. Current year's storage is 91% of last year's storage and 97% of 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, 2018, increased to 4.43% from the level of 3.18% in the month of April, 2018. The inflation rate was 2.26% 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, 2018, increased to 3.16% from the level of 1.41% in the month of April, 2018. The inflation rate was (-) 1.71% during the corresponding period of last year.*
- *The wholesale price index for non-food items stood lower at (-) 0.58% from the previous month's level of (-) 1.81% and increased for the food items to 1.60% from the previous month's level of 0.87%.*

- *Among the foodgrains, wholesale price of Wheat increased by 3.05% from the previous month's level of (-) 0.07% & for Pulses stood at (-) 21.13% from the previous month's level of (-) 22.46%. The inflation for Cereals has moved up by 1.68% from the previous month's level of 0.21%, and increased for Paddy to 4.19% from the previous month's level of 3.86%.*
- *As per latest information available on sowing of Kharif crops, around 8.8% of the normal area under Kharif crops has been sown upto 15.06.2018. Area sown under all Kharif crops taken together has been reported 93.01 lakh hectares at All India level as compared to 94.12 lakh hectares in the corresponding period of last year and 91.48 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 15.06.2018 for 2017-18 was at 359.10 lakh tonnes against the procurement of 373.86 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 354.94 lakh tonnes which was higher than the procurement of 305.99 lakh tonnes in the corresponding period of RMS 2017-18.*

1. **Monsoon Season (June – September) during the week ending 13th June, 2018**

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

- **Rainfall during the week (07th June, 2018 to 13th June, 2018)** Rainfall was large excess/excess in 19 met sub-divisions, normal in 8 met sub-division, deficient/large deficient in 9 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2018 to 13th June, 2018)** Rainfall was large excess/excess in 21, normal in 5 met sub-divisions, deficient/large deficient in 10 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (13.06.2018)				Cumulative (01.06.18 to 13.06.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	10.1	11.7	-14	N	16.6	18.8	-12	N
Central India	45.2	25.2	79	LE	60.7	39.0	56	E
South Peninsular India	72.7	32.2	126	LE	104.0	58.1	79	LE
East & North-East India	60.7	76.7	-21	D	88.2	127.0	-31	D
Country as a whole	42.3	30.6	38	E	60.0	50.5	19	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, 2018 to 13th June, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st June to					
	12 JUN 2013	11 JUN 2014	10 JUN 2015	15 JUN 2016	14 JUN 2017	13 JUN 2018
Large Excess	-	-	-	-	09	11
Excess	25	03	11	06	09	10
Normal	05	05	06	10	10	05
Total	30	08	17	16	28	26
Deficient	03	10	07	14	08	06
Large Deficient	-	-	-	-	00	04
Scanty	03	18	12	06	-	-
No rain	00	00	00	00	00	00
Total	06	28	19	20	8	10
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	23%	(-) 44%	0%	(-) 19%	18%	19%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 15th June, 2018 to 19th June, 2018 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, Odisha, Goa and Gujarat.
South Peninsula - Andhra Pradesh & Telangana, Karnataka, Tamil Nadu & Puducherry, Kerala, A & N islands and Lakshadweep.
East & North East India - Bihar, Jharkhand, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram and Tripura.

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2018								
Sr. No	MET.SUB-DIVISIONS	14 JUN	15 JUN	16 JUN	17 JUN	18 JUN	19 JUN	20 JUN
1	ANDAMAN & NICO.ISLANDS	FWS	FWS	WS*	WS*	WS	WS	FWS
2	ARUNACHAL PRADESH	WS*	WS*	WS*	FWS	FWS	FWS*	FWS*
3	ASSAM & MEGHALAYA	WS**	WS**	WS*	FWS	FWS	FWS*	FWS*
4	NAGA.MANI.MIZO.& TRIPURA	WS*	WS	FWS	FWS	FWS	FWS*	FWS*
5	SUB-HIM.W. BENG. & SIKKIM	FWS**	FWS*	FWS*	FWS	FWS	FWS*	FWS*
6	GANGETIC WEST BENGAL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
8	JHARKHAND	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
9	BIHAR	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	SCT	SCT	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	ISOL ^{DS/TS}	ISOL ^{DS/TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL
12	UTTARAKHAND	ISOL	FWS ^{TS}	FWS ^{TS} §	WS ^{TS} §	SCT ^{TS}	ISOL	ISOL
13	HARYANA CHD. & DELHI	DRY	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL	DRY
14	PUNJAB	DRY	ISOL ^{TS}	ISOL ^{TS}	SCT ^{TS} §	SCT ^{TS}	ISOL	DRY
15	HIMACHAL PRADESH	DRY	SCT ^{TS}	SCT ^{TS} §	SCT ^{TS} §	SCT ^{TS}	ISOL	DRY
16	JAMMU & KASHMIR	DRY	SCT ^{TS}	SCT ^{TS}	SCT ^{TS}	SCT ^{TS}	ISOL	DRY
17	WEST RAJASTHAN	DRY	DRY	ISOL ^{TS}	ISOL ^{TS}	DRY ^{DS}	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	ISOL ^{TS}	ISOL ^{TS}	DRY ^{DS}	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
23	KONKAN & GOA	FWS	FWS	WS*	WS*	WS**	FWS*	FWS*
24	MADHYA MAHARASHTRA	DRY	DRY	ISOL	ISOL	ISOL	SCT	SCT
25	MARATHAWADA	DRY	DRY	ISOL	ISOL	SCT	ISOL	ISOL
26	VIDARBHA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL ^{**TS}	ISOL ^{**TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	WS**	WS**	WS*	WS**	WS**	WS	WS
33	NORTH INT.KARNATAKA	DRY	ISOL	ISOL	ISOL	ISOL	SCT	SCT
34	SOUTH INT.KARNATAKA	SCT**	SCT*	ISOL	ISOL	ISOL	SCT	SCT
35	KERALA	WS**	WS**	WS*	WS*	WS*	WS*	WS*
36	LAKSHADWEEP	WS	WS	WS	WS	WS	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%)		D/DRY	NIL RAINFALL
* 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)			
° FOG	* SNOWFALL	# HAILSTORM			† HEAT WAVE (+4.5°C to +6.4°C)		†† SEVERE HEAT WAVE (> +6.4)	
§ THUNDERSTORM WITH SQUALL/GUSTY WIND		DS/TS DUST/THUNDERSTORM		‡ COLD WAVE (-4.5°C to -6.4°C)		‡‡ SEVERE COLD WAVE (< -6.4)		

Table: 1.4

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

% 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		

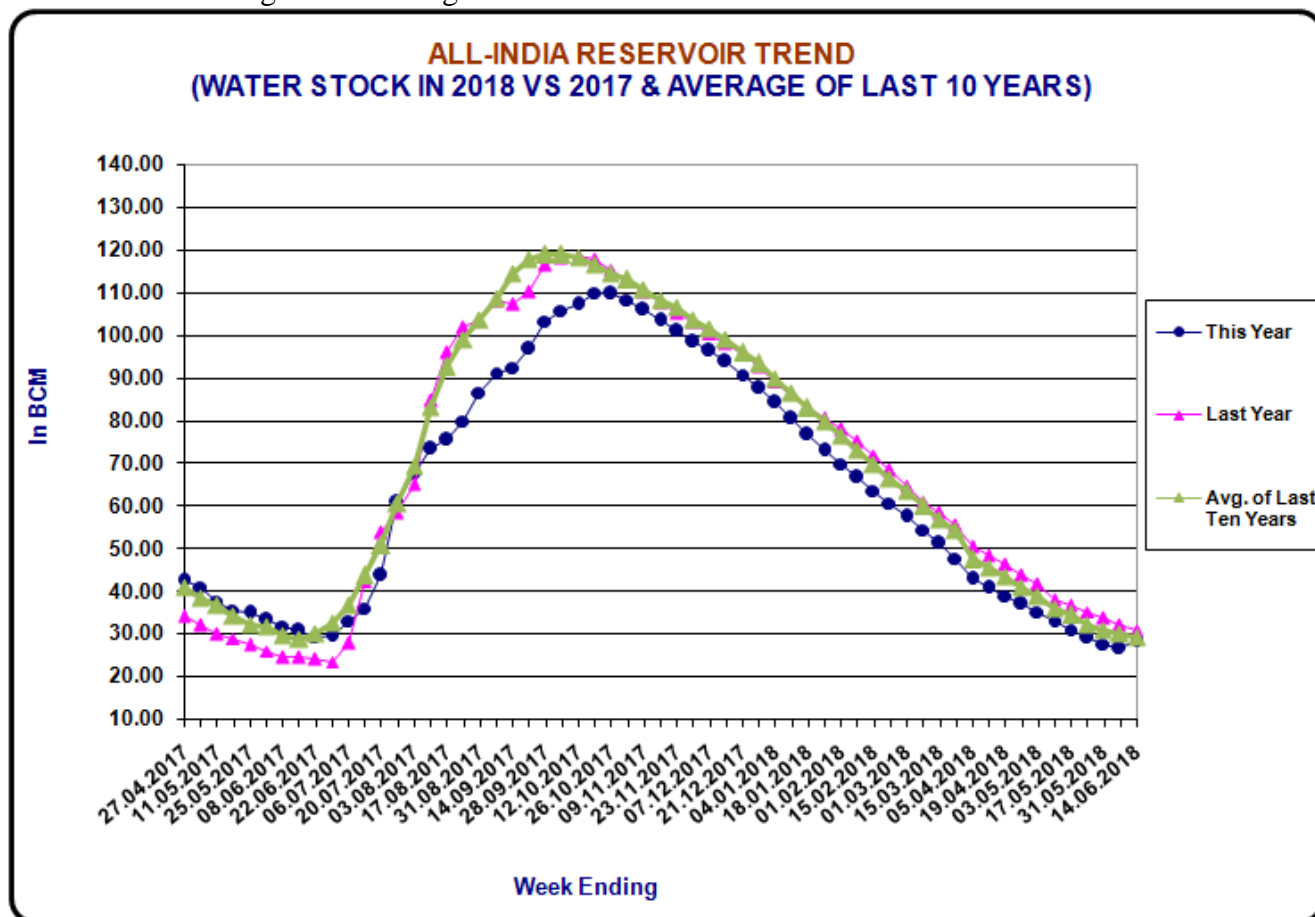
2. Reservoir Status (For the week ending on 14.06.2018)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **161.99** billion cubic meters (BCM), which is about 63% of total reservoir capacity of 257.81 BCM in the country.
- Water stock in 91 major reservoirs decreased to 28.41 BCM from the previous week's level of 26.74 BCM. Current storage is lower than the last year's position of 31.07 BCM and the average of last 10 year's storage of 29.23 BCM.

Table – 2.1 : For 91 major reservoirs of the country

<u>Period</u>	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	18	91	97
Last Week	17	83	89
The percentage to live capacity at FRL was 19% on 14/06/2017, 15% on 14/06/2016, 26% on 11/06/2015 and 25% on 12/06/2014.			
<i>Source: CWC</i>			

There were 61 reservoirs having storage more than 80% of normal storage, 9 reservoirs having storage between 51% to 80%, 11 reservoir having storage between 31% to 50% and 10 reservoirs having storage upto 30% of Normal Storage. Out of 91 reservoirs, there are 5 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 2018 (As on 14.06.2018)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	88	727	161
Requirement for Kharif, 2018	14891	4918	2025	4973	2625
Requirement for May, 2018	3812	1363	493	1151	665
Availability upto 14.06.2018	6422	1744	820	2357	931
Sales upto 14.06.2018	4451	1239	492	1052	701
Closing Stock upto 14.06.2018	1970	505	328	1305	230

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

4. Pest & Diseases:

- Incidence of Fruit borer in Mango reported Low to Moderate intensity at some field field in Lucknow and Fruit fly in Mango reported Low to Moderate intensity at Pratapgarh Districts of Uttar Pradesh. Moderate intensity of Root rot/ Thread blight/ Pink disease in Nutmeg at Malappuram District of Kerala was also reported.
- Overall intensity of pests and diseases remained below Economic Threshold Level (ETL).
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. **Availability position of seeds and fertilizers has been found satisfactory.**

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

Table: 6.1

Period / Commodities	Weight	Inflation (year on year)		
		May-2018	Apr-2018	May-2017
All Commodities	100	4.43	3.18	2.26
Primary Articles	22.62	3.16	1.41	-1.71
(a) Food Articles	15.26	1.60	0.87	-2.13
Cereals	2.82	1.68	0.21	4.15
Paddy	1.43	4.19	3.86	6.40
Wheat	1.03	3.05	-0.07	2.23
Pulses	0.64	-21.13	-22.46	-19.67
Gram	0.26	-30.67	-30.75	3.76
Arhar	0.13	-4.69	-9.36	-43.91
Moong	0.07	-5.91	-7.70	-25.82
Masur	0.05	-18.72	-22.22	-21.92
Urad	0.09	-25.60	-26.09	-36.93
Vegetables	1.87	2.51	-0.89	-18.37
Potato	0.28	81.93	67.94	-43.84
Onion	0.16	13.20	13.62	-12.86
Fruits	1.60	15.40	19.47	-0.73
Milk	4.44	2.31	2.54	4.84
Egg, Meat & Fish	2.40	0.15	-2.00	-1.02
(b) Non-Food Articles	4.12	-0.58	-1.81	-0.91
Oilseeds	1.12	8.08	6.54	-10.22
Fuel & Power	13.15	11.22	7.85	11.81

7. All India Crop Situation – Kharif (2018-19) as on 15.06.2018

Table: 7.1

(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2018	% of Normal for whole season	Last Year 2017	Normal as on date	Last Year
Rice	395.39	5.69	6.93	1.8	6.87	1.2	0.1
Jowar	22.34	1.13	1.17	5.2	1.09	0.0	0.1
Bajra	74.03	0.55	0.33	0.4	0.56	-0.2	-0.2
Maize	74.22	6.45	4.91	6.6	6.34	-1.5	-1.4
Total Coarse Cereals	188.55	9.39	8.07	4.3	9.69	-1.3	-1.6
Total Cereals	583.94	15.08	15.00	2.6	16.56	-0.1	-1.6
Tur	41.90	0.42	0.52	1.2	0.46	0.1	0.1
Urad	27.00	0.42	0.48	1.8	0.67	0.1	-0.2
Moong	24.93	0.80	0.69	2.8	0.75	-0.1	-0.1
Kulthi	2.27	0.03	0.16	7.1	0.08	0.1	0.1
Others	15.83	0.68	0.68	4.3	0.84	0.0	-0.2
Total Pulses	111.93	2.35	2.52	2.3	2.80	0.2	-0.3
Total Foodgrains	695.87	17.43	17.52	2.5	19.36	0.1	-1.8
Groundnut	42.01	1.02	0.61	1.5	0.91	-0.4	-0.3
Soyabean	112.51	0.48	0.50	0.4	0.32	0.0	0.2
Sunflower	2.24	0.22	0.11	5.1	0.13	-0.1	0.0
Sesamum	17.50	0.45	0.40	2.3	0.36	-0.1	0.0
Nigerseed	2.70	0.00	0.01	0.5	0.00	0.0	0.0
Castorseed	10.51	0.03	0.01	0.1	0.01	0.0	0.0
Total Oilseeds	187.47	2.20	1.66	0.87	1.72	-0.5	-0.1
Cotton	119.75	19.34	16.91	14.1	16.67	-2.4	0.2
Sugarcane	48.84	45.35	50.01	102.4	49.48	4.7	0.5
Jute & Mesta	8.11	7.16	6.90	85.1	6.89	-0.3	0.0
All- Crops	1060.04	91.48	93.01	8.8	94.12	1.5	-1.1

Source: Crops & TMOP Divisions, DAC&FW

8. Progressive procurement of Rice as on 15.06.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 15.06.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	37.94	36.49
Telangana	34.00	35.87	35.68
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.92	35.83
Jharkhand	2.50	1.43	1.39
Kerala	2.32	3.27	3.03
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.72	2.82
Odisha	37.00	31.46	31.03
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	8.06	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.50	18.73
All-India	430.00	359.10	373.86

9. Progressive procurement of Wheat as on 15.06.2018

Table: 9.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 15.06.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.37	0.07
Haryana	74.00	87.39	74.32
Madhya Pradesh	67.00	72.87	67.24
Punjab	119.00	126.91	117.05
Rajasthan	16.00	15.27	12.23
Uttar Pradesh	40.00	50.87	34.97
Uttrakhand	1.00	1.05	0.02
All-India	320.00	354.94	305.99