

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: 27.08.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
24.08.2018.**

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (16th August, 2018 – 22nd August, 2018) has been 24% 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 81% in South Peninsula, 72% in Central India but lower than LPA by 43% in East & North East India and 26% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June, 2018 to 22nd August, 2018 has been 7% lower 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 12% in South Peninsula, equal to LPA in Central India but lower than LPA by 28% in East & North East India, 6% in North West India.*
- *Out of 36 met sub-divisions, 2 met sub-division constituting 4% of the total area of the country has received large excess/excess rainfall, 23 met sub-divisions constituting 73% of the total area of the country has received normal rainfall, 11 met subdivisions constituting 23% 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 23rd August, 2018 has been 101.29 BCM as against 79.30 BCM on 23.08.2017 (last year) and 94.86 BCM of normal (average of the last 10 years) storage. Current year's storage is 128% of last year's storage and 107% 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 July, 2018, decreased to 5.09% from the level of 5.77% in the month of June, 2018. The inflation rate was 1.88% 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 July, 2018, decreased to 1.73% from the level of 5.30% in the month of June, 2018. The inflation rate was 0.61% during the corresponding period of last year.*
- *The wholesale price index for non-food items increased to 3.96% from the previous month's level of 3.81% and for the food items decreased to (-) 2.16% from the previous month's level of 1.80%.*

- *Among the foodgrains, wholesale price of Wheat increased to 6.31% from the previous month's level of 5.14% & for Pulses stood at (-) 17.03% from the previous month's level of (-) 20.23%. The inflation for Cereals increased to 3.51% from the previous month's level of 2.59% and for Paddy increased to 3.96% from the previous month's level of 3.71%.*
- *As per latest information available on sowing of Kharif crops, around 93.92% of the normal area under Kharif crops has been sown upto 24.08.2018. Area sown under all Kharif crops taken together has been reported to be 995.62 lakh hectares at All India level as compared to 1008.57 lakh hectares in the corresponding period of last year and 984.50 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 24.08.2018 for 2017-18 was at 364.62 lakh tonnes against the procurement of 380.57 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2018-19 was 355.22 lakh tonnes which was higher than the procurement of 306.65 lakh tonnes in the corresponding period of RMS 2017-18.*

• **1. Monsoon Season (June – September) during the week ending 22nd August, 2018**

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

- **Rainfall during the week (16th August, 2018 to 22nd August, 2018)** Rainfall was large excess/excess in 16 met sub-divisions, normal in 3 met sub-divisions, deficient/large deficient in 17 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2018 to 22nd August, 2018)** Rainfall was large excess/excess in 2 sub-division, normal in 23 met sub-divisions, deficient/large deficient in 11 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (22.08.2018)				Cumulative (01.06.18 to 22.08.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	34.9	46.9	-26	D	423.4	450.8	-6	N
Central India	115.7	67.3	72	LE	719.1	717.2	0	N
South Peninsular India	75.3	41.7	81	LE	575.9	512.8	12	N
East & North-East India	46.0	80.2	-43	D	750.3	1043.8	-28	D
Country as a whole	71.8	58.1	24	E	605.0	647.3	-7	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 22nd August, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st June to					
	21 AUG 2013	20 AUG 2014	19 AUG 2015	24 AUG 2016	23 AUG 2017	22 AUG 2018
Large Excess	-	-	-	-	00	00
Excess	18	00	04	04	05	02
Normal	13	19	18	22	21	23
Total	31	19	22	26	26	25
Deficient	05	14	14	10	10	11
Large Deficient	-	-	-	-	00	00
Scanty	00	03	00	00	-	-
No rain	00	00	00	00	00	00
Total	05	17	14	10	10	11
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	14%	(-) 18%	(-) 9%	(-) 2%	(-) 6%	(-) 7%

Source: IMD

➤ **Sub-division-wise 5 days rainfall forecast from 24th Aug., 2018 to 28th Aug., 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	23 AUG	24AUG	25 AUG	26 AUG	27 AUG	28 AUG	29 AUG
1	ANDAMAN & NICO.ISLANDS	WS	WS	WS	WS	WS	WS	FWS
2	ARUNACHAL PRADESH	WS [•]	FWS [•]	SCT	SCT	FWS	FWS [•]	FWS [•]
3	ASSAM & MEGHALAYA	WS ^{••}	FWS [•]	SCT	SCT	FWS	WS [•]	WS [•]
4	NAGA.MANI.MIZO.& TRIPURA	FWS [•]	FWS [•]	SCT	FWS	FWS [•]	FWS [•]	FWS
5	SUB-HIM.W. BENG. & SIKKIM	WS ^{••}	WS ^{••}	WS [•]	FWS	FWS	FWS	FWS [•]
6	GANGETIC WEST BENGAL	WS [•]	WS [•]	WS [•]	WS ^{••}	WS [•]	FWS	FWS
7	ODISHA	SCT	FWS	FWS [•]	WS [•]	WS [•]	WS	FWS
8	JHARKHAND	FWS	FWS	WS [•]	WS ^{••}	WS [•]	WS [•]	FWS [•]
9	BIHAR	WS [•]	WS ^{••}	WS [•]	WS [•]	WS	WS [•]	FWS
10	EAST UTTAR PRADESH	FWS [•]	WS [•]	FWS [•]	FWS	FWS	WS [•]	FWS [•]
11	WEST UTTAR PRADESH	WS [•]	WS [•]	FWS [•]	FWS	SCT	FWS [•]	FWS [•]
12	UTTARAKHAND	WS [•]	WS ^{••}	WS ^{••}	FWS [•]	FWS	FWS [•]	FWS [•]
13	HARYANA CHD. & DELHI	WS [•]	FWS	SCT	SCT	ISOL	ISOL	ISOL
14	PUNJAB	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	WS [•]	WS [•]	FWS [•]	SCT	SCT	SCT	SCT
16	JAMMU & KASHMIR	SCT [•]	SCT	SCT	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
18	EAST RAJASTHAN	WS [•]	FWS [•]	SCT	SCT	SCT	SCT	SCT [•]
19	WEST MADHYA PRADESH	FWS ^{••}	FWS [•]	FWS	FWS	SCT	ISOL	ISOL
20	EAST MADHYA PRADESH	FWS [•]	FWS	SCT	SCT	SCT	SCT	SCT
21	GUJARAT REGION D.D. & N.H.	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS [•]	WS	WS [•]	WS [•]	WS [•]	FWS	FWS
24	MADHYA MAHARASHTRA	SCT [•]	SCT	SCT	FWS	FWS	SCT	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
26	VIDARBHA	SCT	SCT	SCT	SCT	SCT	SCT	ISOL
27	CHHATTISGARH	SCT	SCT	SCT	FWS	FWS	WS [•]	FWS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT [•]	SCT	SCT	SCT	SCT	SCT	ISOL
32	COASTAL KARNATAKA	WS	WS	WS [•]	WS [•]	WS [•]	FWS [•]	FWS
33	NORTH INT.KARNATAKA	SCT	SCT	SCT	SCT	SCT	ISOL	ISOL
34	SOUTH INT.KARNATAKA	SCT	SCT	SCT	FWS	FWS	SCT	SCT
35	KERALA	FWS	FWS	FWS	FWS	FWS	FWS	SCT
36	LAKSHADWEEP	FWS	SCT	SCT	FWS	FWS	SCT	SCT
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	24-Aug Today	25Aug Sat	26Aug Sun	27Aug Mon	28Aug Tue
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	FWS	SCT	SCT	FWS	FWS
3. Assam & Meghalaya	FWS	SCT	SCT	FWS	FWS
4. N. M. M. & T.	FWS	SCT	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	FWS	FWS	FWS
6. Gangetic West Bengal	WS	WS	WS	WS	WS
7. Odisha	FWS	FWS	WS	WS	WS
8. Jharkhand	FWS	WS	WS	WS	WS
9. Bihar	WS	WS	WS	WS	WS
10. East Uttar Pradesh	WS	FWS	FWS	FWS	FWS
11. West Uttar Pradesh	WS	FWS	FWS	SCT	SCT
12. Uttarakhand	WS	WS	FWS	FWS	FWS
13. Haryana, Chd & Delhi	FWS	SCT	SCT	ISOL	ISOL
14. Punjab	SCT	SCT	ISOL	ISOL	ISOL
15. Himachal Pradesh	WS	FWS	SCT	SCT	SCT
16. Jammu & Kashmir	SCT	SCT	ISOL	ISOL	ISOL
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	FWS	SCT	SCT	SCT	SCT
19. West Madhya Pradesh	FWS	FWS	FWS	SCT	SCT
20. East Madhya Pradesh	FWS	SCT	SCT	SCT	SCT
21. Gujarat Region	SCT	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	FWS	FWS	FWS
25. Marathawada	ISOL	ISOL	SCT	SCT	SCT
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	SCT	SCT	FWS	FWS	FWS
28. Coastal Andhra Pradesh	ISOL	ISOL	SCT	SCT	SCT
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	SCT	SCT	SCT	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	SCT	SCT
34. South Interior Karnataka	SCT	SCT	FWS	FWS	FWS
35. Kerala	FWS	FWS	FWS	FWS	FWS
36. Lakshadweep	SCT	SCT	FWS	FWS	FWS

% 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		

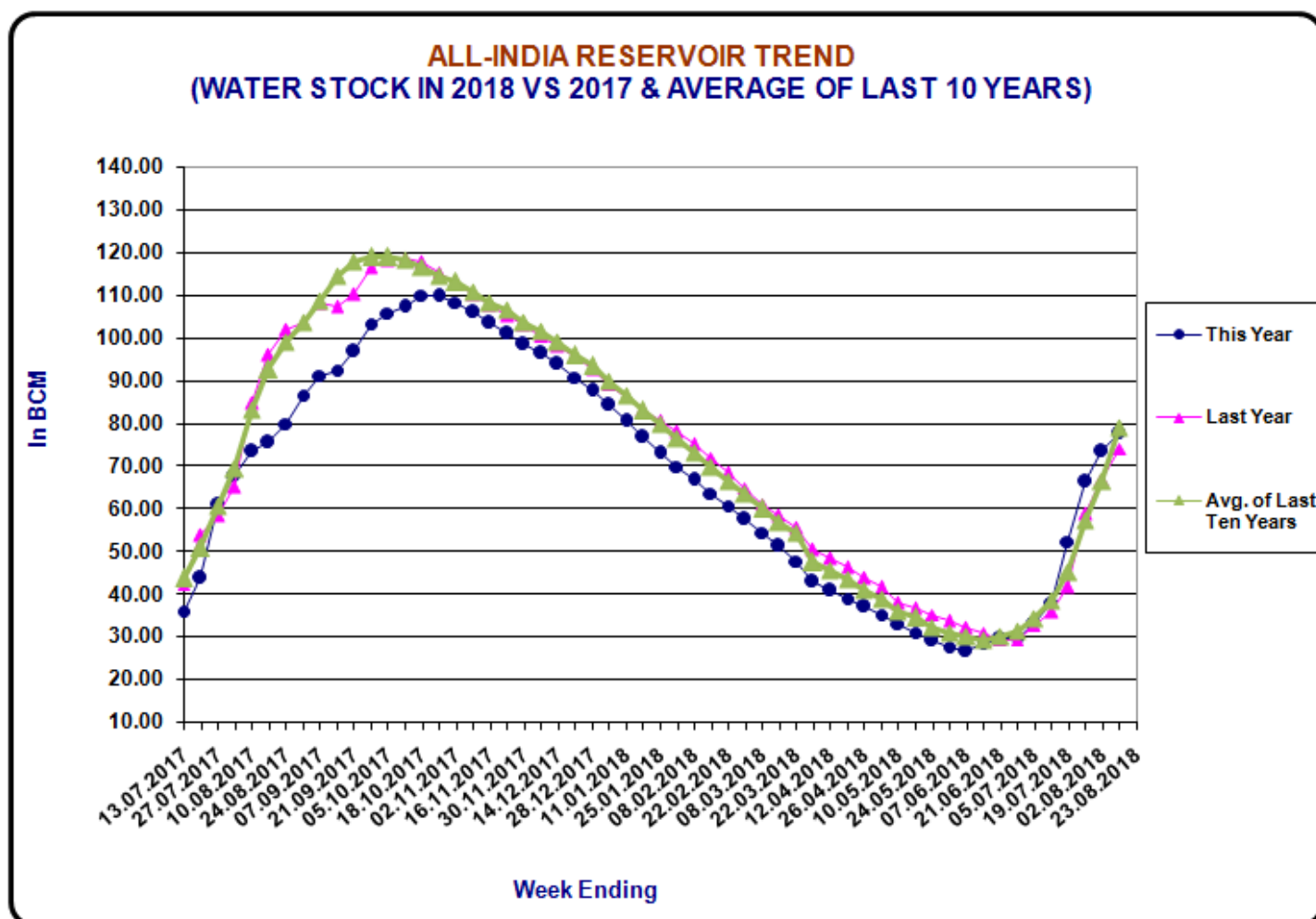
2. Reservoir Status (For the week ending on 23.08.2018)

- **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 increased to 101.29 BCM from the previous week's level of 84.74 BCM. Current storage is higher than the last year's position of 79.30 BCM and the average of last 10 year's storage of 94.86 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	63	128	107
Last Week	54	112	96
The percentage to live capacity at FRL was 49% on 23/08/2017, 61% on 23/08/2016, 58% on 20/08/2015 and 65% on 21/08/2014.			
<i>Source: CWC</i>			

There were 68 reservoirs having storage more than 80% of normal storage, 14 reservoirs having storage between 51% to 80%, 6 reservoir having storage between 31% to 50% and 3 reservoirs having storage upto 30% of Normal Storage.



Source: Central Water Commission

3. Fertilizer Position:

Table – 3.1: Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Kharif 2018 (As on 23.08.2018)

(in '000 Tonnes)

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	88	727	160
Requirement for Kharif 2018	14891	4918	2025	4973	2625
Cumulative Requirement from April to August, 2018	12580	4092	1717	3968	2180
Cumulative Receipt upto 23.08.2018	11215	4004	1402	3691	1688
Cumulative Availability upto 23.08.2018	12219	4197	1491	4418	1848
Cumulative Sales upto 23.08.2018	11525	3189	1211	3376	1617
Closing Stock as on 23.08.2018	693	1008	280	1042	232

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

4. Pest & Diseases:

- Incidence of Hispa on Rice reported at Low to Moderate in North Lakhimpur District in Assam. The Rice crop is Transplanting to tillering stage.
- Incidence of Fall army worm on Maize reported Trace to Medium at Hassan, Haveri, Tumkur, Ballary Districts in Karnataka, Karur district in Tamilnadu and Siddipet of Telangana. (As per Video conference)
- Incidence of Pink boll worm on Cotton in 23 districts in Maharashtra however, incidence of PBW observed above ETL in Amrawati, Nagpur and Latur districts.(As per Video conference).
- 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)		
		July-2018	June-2018	July-2017
All Commodities	100	5.09	5.77	1.88
Primary Articles	22.62	1.73	5.30	0.61
(a) Food Articles	15.26	-2.16	1.80	2.35
Cereals	2.82	3.51	2.59	0.56
Paddy	1.43	3.96	3.71	3.40
Wheat	1.03	6.31	5.14	-1.16
Pulses	0.64	-17.03	-20.23	-31.39
Gram	0.26	-27.10	-30.11	-22.50
Arhar	0.13	-2.54	-4.31	-46.95
Moong	0.07	1.33	-4.20	-24.87
Masur	0.05	-13.60	-17.65	-27.90
Urad	0.09	-20.28	-24.79	-44.97
Vegetables	1.87	-14.07	8.12	22.01
Potato	0.28	74.28	99.02	-42.45
Onion	0.16	38.82	18.25	-9.50
Fruits	1.60	-8.81	3.87	2.71
Milk	4.44	2.87	2.37	3.73
Egg, Meat & Fish	2.40	0.87	-0.07	3.68
(b) Non-Food Articles	4.12	3.96	3.81	-6.09
Oilseeds	1.12	9.86	8.80	-12.95
Fuel & Power	13.15	18.10	16.18	-1.34

7. All India Crop Situation – Kharif (2018-19) as on 24.08.2018

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	353.78	356.83	90.2	359.52	3.1	-2.7
Jowar	22.34	18.49	17.55	78.6	17.03	-0.9	0.5
Bajra	74.03	68.09	62.23	84.1	69.97	-5.9	-7.7
Maize	74.22	76.24	76.70	103.3	76.18	0.5	0.5
Total Coarse Cereals	188.55	175.92	166.52	88.3	174.34	-9.4	-7.8
Total Cereals	583.94	529.70	523.35	89.6	533.86	-6.3	-10.5
Tur	41.90	39.87	43.82	104.6	43.82	4.0	0.0
Urad	27.00	29.69	37.02	137.1	42.54	7.3	-5.5
Moong	24.93	26.40	33.31	133.6	31.33	6.9	2.0
Kulthi	2.27	0.41	0.73	32.2	0.50	0.3	0.2
Others	15.83	15.69	15.94	100.7	15.69	0.3	0.3
Total Pulses	111.93	112.07	130.83	116.9	133.87	18.8	-3.0
Total Foodgrains	695.87	641.77	654.18	94.0	667.73	12.4	-13.6
Groundnut	42.01	38.84	37.18	88.5	38.80	-1.7	-1.6
Soyabean	112.51	112.55	111.29	98.9	104.87	-1.3	6.4
Sunflower	2.24	1.48	0.98	43.8	1.26	-0.5	-0.3
Sesamum	17.50	14.40	13.34	76.2	13.33	-1.1	0.0
Nigerseed	2.70	1.04	0.61	22.6	1.27	-0.4	-0.7
Castorseed	10.51	6.64	3.59	34.2	4.70	-3.1	-1.1
Total Oilseeds	187.47	174.96	167.00	89.07	164.24	-8.0	2.8
Cotton	119.75	113.81	116.85	97.6	119.67	3.0	-2.8
Sugarcane	48.84	46.36	50.60	103.6	49.86	4.2	0.7
Jute & Mesta	8.11	7.61	7.00	86.3	7.07	-0.6	-0.1
All- Crops	1060.04	984.50	995.62	93.92	1008.57	11.1	-13.0

Source: Crops & TMOP Divisions, DAC&FW

8. Progressive procurement of Rice as on 24.08.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 24.08.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	39.75	37.15
Telangana	34.00	36.19	35.93
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.55	40.22
Haryana	30.00	39.92	35.83
Jharkhand	2.50	1.43	1.39
Kerala	2.32	3.29	3.03
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.79	3.09
Odisha	37.00	32.87	36.30
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	9.25	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.63	18.95
All-India	430.00	364.62	380.57