

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: 21.05.2019

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
17.05.2019.**

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week i.e. 09th May, 2019 – 15th May, 2019 has been 33% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 73% in Central India, 70% in South Peninsula, 26% in North West India and 7% in East & North East India.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01st March, 2019 to 15th May, 2019 has been 22% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 46% in South Peninsula, 36% in North West India, 7% in East & North East India and equal to LPA in Central India.*
- *For pre monsoon season 01.03.2019 to 15.05.2019 out of 36 met sub-divisions, 6 met sub-divisions constituting 25% of the total area of the country has received large excess/excess rainfall, 6 met sub-divisions constituting 14% of the total area of the country has received normal rainfall, 24 met sub-divisions constituting 61% 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 16th May, 2019 has been 35.99 BCM as against 31.39 BCM on 16.05.2018 (last year) and 34.16 BCM of normal (average of the last 10 years) storage. Current year's storage is 115% of last year's storage and nearly 105% 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 April, 2019, decreased to 3.07% from the level of 3.18% in the month of March, 2019. The inflation rate was 3.62% 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 April, 2019, increased to 6.50% from the level of 5.07% in the month of March, 2019. The inflation rate was 2.59% during the corresponding period of last year.*

- *The wholesale price index for non-food items increased to 5.23% from the previous month's level of 2.83% and for the food items increased to 7.37% from the previous month's level of 5.68%.*
- *Among the foodgrains, inflation as per wholesale price index of Pulses increased to 14.32% from the previous month's level of 10.63, Wheat decreased to 7.52% from the previous month's level of 10.13%, Cereals to 8.43% from the previous month's level of 8.92% and Paddy to 2.48% from the previous month's level of 2.62%.*
- *All-India progressive procurement of Rice as on 17.05.2019 for 2018-19 was at 405.32 lakh tonnes against the procurement of 339.23 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2019-20 was 319.04 lakh tonnes against the procurement of 326.46 lakh tonnes in the corresponding period of RMS 2018-19.*

1. Pre Monsoon Season (March – May) during the week ending 15th May, 2019

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

- **Rainfall during the week (09th May, 2019 to 15th May, 2019)** Rainfall was large excess/excess in 2 met sub-divisions, normal in 4 met sub-divisions, deficient/large deficient in 26 sub-divisions and no rain in 4 met sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2019 to 15th May, 2019)** Rainfall was large excess/excess in 6 met sub-divisions, normal in 6 met sub-divisions, deficient/large deficient in 24 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (15.05.2019)				Cumulative (01.03.19 to 15.05.19)			
	(in mm)		Devi- ation (%)	Cate- gory	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	7.3	9.9	-26	D	60.9	95.5	-36	D
Central India	1.3	4.8	-73	LD	28.0	28.1	0	N
South Peninsular India	5.2	17.2	-70	LD	42.3	78.3	-46	D
East & North-East India	36.7	39.5	-7	N	247.4	266.3	-7	N
Country as a whole	9.5	14.3	-33	D	75.9	96.8	-22	D

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 March, 2019 to 15th May, 2019

No. of Sub-Divisions with rainfall	For the period from 1 st March to					
	14 MAY 2014	13 MAY 2015	18 MAY 2016	17 MAY 2017	16 MAY 2018	15 MAY 2019
Large Excess	-	-	-	01	03	04
Excess	18	28	03	05	07	02
Normal	06	06	14	11	10	06
Total	24	34	17	17	20	12
Deficient	09	02	15	12	13	17
Large Deficient	-	-	-	07	03	07
Scanty	03	00	04	-	-	-
No rain	00	00	00	00	00	00
Total	12	02	19	19	16	24
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	3%	57%	(-) 6%	(-) 4%	(-) 11%	(-) 22%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 17th May, 2019 to 21st May, 2019 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-2019								
Sr. No	MET.SUB-DIVISIONS	16 MAY	17 MAY	18 MAY	19 MAY	20 MAY	21 MAY	22 MAY
1	ANDAMAN & NICO.ISLANDS	WS**	WS	WS*	WS*	FWS	FWS	WS
2	ARUNACHAL PRADESH	SCT	FWS	FWS	FWS	SCT	SCT	FWS
3	ASSAM & MEGHALAYA	FWS*§	FWS*§	SCT	SCT	SCT	FWS	FWS
4	NAGA.MANI.MIZO.& TRIPURA	FWS§	FWS*§	SCT	ISOL	ISOL	ISOL	SCT
5	SUB-HIM.W. BENG. & SIKKIM	FWS ^{TS}	FWS ^{TS}	FWS ^{TS}	FWS ^{TS}	FWS*	SCT	SCT
6	GANGETIC WEST BENGAL	ISOL ^{TS}	ISOL ^{TS}	ISOL	D	D	D	D
7	ODISHA	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL
8	JHARKHAND	ISOL ^{TS}	ISOL ^{TS}	D	D	D	D	D
9	BIHAR	ISOL ^{TS}	ISOL ^{TS}	ISOL	D	D	D	D
10	EAST UTTAR PRADESH	ISOL ^{TS/DS}	D	D	D	D	D	ISOL
11	WEST UTTAR PRADESH	ISOL ^{TS}	ISOL ^{TS}	ISOL	D	D	ISOL	ISOL
12	UTTARAKHAND	FWS*#	FWS ^{TS} #	SCT	ISOL	ISOL	ISOL	SCT
13	HARYANA CHD. & DELHI	SCT ^{TS}	ISOL ^{TS}	ISOL	D	D	ISOL	ISOL
14	PUNJAB	SCT ^{TS}	SCT ^{TS}	ISOL	D	D	ISOL	ISOL
15	HIMACHAL PRADESH	FWS ^{TS} #	WS§	SCT	ISOL	SCT	SCT	SCT
16	JAMMU & KASHMIR	WS ^{TS}	WS ^{TS}	ISOL	ISOL	SCT	FWS	SCT
17	WEST RAJASTHAN	ISOL ^{TS/DS}	ISOL ^{TS/DS}	D	D	D	ISOL	D
18	EAST RAJASTHAN	ISOL ^{TS/DS}	ISOL ^{TS/DS}	D	D	D	D	ISOL
19	WEST MADHYA PRADESH	ISOL ^{TS/DS}	D	D	D	D	D	ISOL
20	EAST MADHYA PRADESH	D	D	D	D	D	D	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	ISOL	D	D	D	D	D	D
23	KONKAN & GOA	D	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	D	D	D	D	D	D	D
25	MARATHAWADA	D	D	D	D	D	D	D
26	VIDARBHA	D	D	D	D	D	D	D
27	CHHATTISGARH	ISOL ^{TS} ‡	D	D	D	D	D	D
28	COASTAL ANDHRA PRADESH	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL ^{TS}	D	D	D	D	ISOL	ISOL
30	RAYALASEEMA	ISOL ^{TS}	ISOL	D	D	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT ^{TS*}	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	D	D	D	ISOL	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	D	D	D	D	ISOL	ISOL	ISOL
34	SOUTH INT.KARNATAKA	SCT ^{TS}	ISOL ^{TS}	ISOL	SCT ^{TS}	ISOL	SCT	SCT*
35	KERALA	ISOL ^{TS}	ISOL ^{TS}	ISOL	SCT ^{TS*}	SCT*	SCT	FWS*
36	LAKSHADWEEP	D	D	D	ISOL	ISOL	ISOL	ISOL
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)		

Source: IMD

Table: 1.4

Met-Sub-Division	17-May Today	18May Sat	19May Sun	20May Mon	21May Tue
1. Andaman & Nicobar Islands	WS	WS	WS	FWS	FWS
2. Arunachal Pradesh	FWS	FWS	FWS	SCT	SCT
3. Assam & Meghalaya	FWS	SCT	SCT	SCT	FWS
4. N. M. M. & T.	FWS	SCT	ISOL	ISOL	SCT
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	ISOL	ISOL	DRY	DRY	DRY
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	DRY	DRY	DRY	DRY
9. Bihar	ISOL	ISOL	DRY	DRY	ISOL
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	ISOL	ISOL	DRY	DRY	DRY
12. Uttarakhand	FWS	SCT	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	ISOL	DRY	DRY	DRY
14. Punjab	SCT	ISOL	DRY	DRY	DRY
15. Himachal Pradesh	WS	SCT	ISOL	SCT	SCT
16. Jammu & Kashmir	WS	ISOL	ISOL	SCT	SCT
17. West Rajasthan	ISOL	DRY	DRY	DRY	ISOL
18. East Rajasthan	ISOL	DRY	DRY	DRY	DRY
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	DRY	DRY
30. Rayalaseema	ISOL	DRY	DRY	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	ISOL	ISOL	ISOL
33. North Interior Karnataka	DRY	DRY	DRY	ISOL	ISOL
34. South Interior Karnataka	ISOL	ISOL	SCT	ISOL	ISOL
35. Kerala	ISOL	ISOL	SCT	SCT	FWS
36. Lakshadweep	DRY	DRY	ISOL	ISOL	ISOL

% 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		

Source: IMD

2. Reservoir Status (For the week ending on 16.05.2019)

- **The Central Water Commission** monitors the live storage capacity 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.
- Live Storage in 91 major reservoirs decreased to 35.99 BCM from the previous week's level of 38.73 BCM. Current year's storage position is higher than the last year's storage position of 31.39 BCM and the average of last 10 year's storage position of 34.16 BCM.

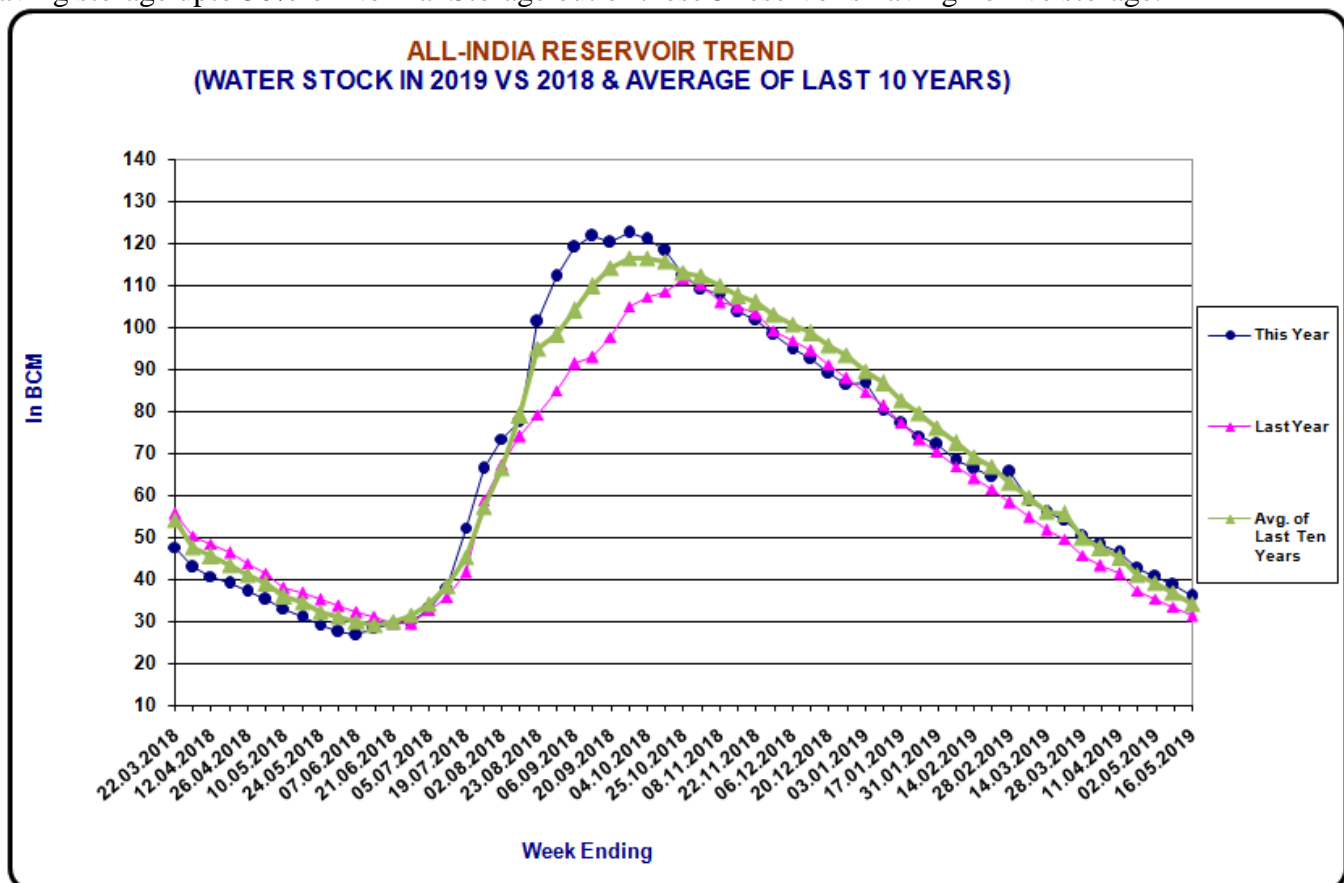
Table – 2.1 : For 91 major reservoirs of the country

<u>Period</u>	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	22	115	105
Last Week	24	116	105

The percentage to live capacity at FRL was 19% on 16/05/2018, 23% on 16/05/2017, 19% on 12/05/2016 and 29% on 14/05/2015.

Source: CWC

There were 48 reservoirs having storage more than 80% of normal storage, 18 reservoirs having storage between 51% to 80%, 8 reservoirs having storage between 31% to 50% and 17 reservoirs having storage upto 30% of Normal Storage out of these 5 reservoirs having no live 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 2018-19 (As on 16.05.2019)

(in '000 tonnes)

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2019	613	833	265	1281	128
Requirement for Kharif 2019	15672	5121	2038	5296	2505
Estimated Requirement during May 2019	2300	802	281	650	356
Cumulative Receipt upto 16.05.2019	2913	1243	316	911	371
Cumulative Availability upto 16.05.2019	3526	2076	581	2192	499
Cumulative Sales upto 16.05.2019	2240	492	150	405	308
Closing Stock as on 16.05.2019	1286	1584	431	1787	191

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

4. Pest & Diseases:

- Incidence of Fall army worm reported at moderate to high intensity on maize crop in Aizawl, Serchhip, Kolasib districts of Mizoram state, Chandel, Imphal west, Imphal East, Thoubal, Bishnupur, Senapati, Tamenglong, Ukhul, Churachandpur districts of Manipur state and moderate intensity reported at Dhansari, Nagoan, Matipung area of Lumbajong block in Karbi Anglong district of Assam state.
- 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)		
		Apr-2019	Mar-2019	Apr-2018
All Commodities	100	3.07	3.18	3.62
Primary Articles	22.62	6.50	5.07	2.59
(a) Food Articles	15.26	7.37	5.68	0.87
Cereals	2.82	8.43	8.92	0.21
Paddy	1.43	2.48	2.62	3.86
Wheat	1.03	7.52	10.13	-0.07
Pulses	0.64	14.32	10.63	-22.46
Gram	0.26	13.46	8.60	-30.75
Arhar	0.13	18.65	13.55	-9.36
Moong	0.07	14.98	12.01	-7.70
Masur	0.05	9.11	7.88	-22.22
Urad	0.09	11.76	8.92	-26.09
Vegetables	1.87	40.65	28.13	-0.40
Potato	0.28	-17.15	1.30	71.66
Onion	0.16	-3.43	-31.34	13.62
Fruits	1.60	-6.88	-7.62	19.39
Milk	4.44	1.49	1.78	2.54
Egg, Meat & Fish	2.40	6.94	5.86	-2.00
(b) Non-Food Articles	4.12	5.23	2.83	-0.74
Oilseeds	1.12	6.79	4.90	6.54
Fuel & Power	13.15	3.84	5.41	7.96

7. Progressive procurement of Rice as on 17.05.2019

Table: 6.1

(lakh tonnes)

State	Target in marketing season 2018-19 (Oct. – Sept.)	Progressive Procurement as on 17.05.2019	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Andhra Pradesh	52.54	32.25	33.33
Telangana	45.00	45.73	27.42
Bihar	8.00	9.28	7.93
Chhattisgarh	40.00	40.80	32.07
Haryana	39.75	39.09	39.92
Jharkhand	2.50	1.53	1.43
Kerala	3.70	4.37	3.09
Madhya Pradesh	13.00	13.95	11.00
Maharashtra	5.50	4.25	1.62
Odisha	37.00	34.65	25.60
Punjab	114.00	113.34	118.39
Tamil Nadu	14.80	11.57	7.38
Uttar Pradesh	33.00	32.33	28.75
Uttrakhand	5.00	4.62	0.38
West Bengal	31.00	16.57	0.40
All-India	448.04	405.32	339.23