

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: 22.05.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 18.05.2018.

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week (10th May, 2018 – 16th May, 2018) has been 6% 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 44% in South Peninsula but lower than LPA by 26% in North West India, 22% in East & North East India and 18% in Central India.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01st March to 16th May, 2018 has been 11% 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 35% in South Peninsula but lower than LPA by 22% each in East & North East India & North West India and 5% in Central India.*
- *Out of 36 met sub-divisions, 10 met subdivision constituting 21% of the total area of the country has received large excess/excess rainfall, 10 met sub-divisions constituting 25% of the total area of the country has received normal rainfall, 16 met subdivisions constituting 54% 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 17th May, 2018 has been 31.07 BCM as against 36.76 BCM on 17.05.2017 (last year) and 34.58 BCM of normal (average of the last 10 years) storage. Current year's storage is 85% of last year's storage and 90% 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, 2018, increased to 3.18% from the level of 2.47% in the month of March, 2018. The inflation rate was 3.85% 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, 2018, increased to 1.41% from the level of 0.24% in the month of March, 2018. The inflation rate was 1.03% during the corresponding period of last year.*
- *The wholesale price index for non-food items stood lower at (-) 1.81% from the previous month's level of (-) 1.39% and increased for the food items to 0.87% from the previous month's level of (-) 0.29%.*

- *Among the foodgrains, wholesale price of Wheat declined by (-) 0.07% from the previous month's level of (-) 1.19% & for Pulses stood at (-) 22.46% from the previous month's level of (-) 20.58%. The inflation for Cereals has moved up by 0.21% from the previous month's level of (-) 0.55%, and increased for Paddy to 3.86% from the previous month's level of 3.05%.*
- *All-India progressive procurement of Rice as on 18.05.2018 for 2017-18 was at 341.00 lakh tonnes against the procurement of 356.77 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 328.55 lakh tonnes which was higher than the procurement of 283.62 lakh tonnes in the corresponding period of RMS 2017-18.*

Pre Monsoon Season (March – May) during the week ending 16th May, 2018

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

- **Rainfall during the week (10th May, 2018 to 16th May, 2018)** Rainfall was large excess/excess in 12 met sub-divisions, normal in 06 met sub-division, deficient/large deficient in 16 sub-divisions and no rain in 02 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2018 to 16th May, 2018)** Rainfall was large excess/excess in 10, normal in 10 met sub-divisions, deficient/large deficient in 16 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (16.05.2018)				Cumulative (01.03.18 to 16.05.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	7.2	9.7	-26	D	75.3	96.6	-22	D
Central India	4.2	5.1	-18	N	27.3	28.8	-5	N
South Peninsular India	26.1	18.1	44	E	109.3	81.0	35	E
East & North-East India	31.6	40.5	-22	D	212.4	272.1	-22	D
Country as a whole	13.8	14.6	-6	N	87.7	98.8	-11	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 March, to 16th May, 2018

No. of Sub-Divisions with rainfall	<i>For the period from 1st March to</i>					
	15 MAY 2013	14 MAY 2014	13 MAY 2015	18 MAY 2016	17 MAY 2017	16 MAY 2018
Large Excess	-	-	-	-	01	03
Excess	04	18	28	03	05	07
Normal	09	06	06	14	11	10
Total	13	24	34	17	17	20
Deficient	18	09	02	15	12	13
Large Deficient	-	-	-	-	07	03
Scanty	05	03	00	04	-	-
No rain	00	00	00	00	00	00
Total	23	12	02	19	19	16
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 28%	3%	57%	(-) 6%	(-) 4%	(-) 11%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 18th May to 22nd May, 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	17 MAY	18 MAY	19 MAY	20 MAY	21 MAY	22 MAY	23 MAY
1	ANDAMAN & NICO.ISLANDS	SCT	SCT	FWS	FWS	FWS	SCT	FWS
2	ARUNACHAL PRADESH	SCT	SCT	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	SCT ^{TS}	FWS [*]	FWS [*]	FWS	FWS	FWS	FWS
4	NAGA.MANI.MIZO.& TRIPURA	WS ^{TS*}	WS [*]	FWS [*]	FWS	FWS	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	FWS ^{TS\$}	FWS ^{TS}	FWS ^{TS}	FWS	FWS	FWS	FWS
6	GANGETIC WEST BENGAL	SCT ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	SCT	ISOL
7	ODISHA	SCT ^{TS}	ISOL ^{TS}	ISOL	ISOL	SCT	SCT	ISOL
8	JHARKHAND	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL	D
9	BIHAR	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL ^{TS\$}	ISOL ^{TS}	SCT ^{TS\$}	ISOL	ISOL	D	D
11	WEST UTTAR PRADESH	ISOL ^{TS}	ISOL ^{TS}	SCT ^{TS\$}	ISOL	D	D	D
12	UTTARAKHAND	ISOL ^{TS}	SCT ^{TS\$}	ISOL	D	D	D	D
13	HARYANA CHD. & DELHI	SCT ^{TS\$}	ISOL ^{TS}	ISOL ^{TS}	ISOL	D	D	D
14	PUNJAB	SCT ^{TS\$}	ISOL ^{TS\$}	ISOL ^{TS}	D	D	D	D
15	HIMACHAL PRADESH	SCT ^{TS\$#}	FWS ^{TS\$#}	SCT ^{TS}	ISOL	D	D	D
16	JAMMU & KASHMIR	FWS ^{TS\$#}	FWS ^{TS\$#}	FWS ^{TS\$}	SCT	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	ISOL ^{TS/DS}	ISOL ^{TS/DS}	ISOL	D	D	D	D
18	EAST RAJASTHAN	ISOL ^{TS/DS}	ISOL ^{TS/DS}	ISOL ^{TS\$}	D	D	D	D
19	WEST MADHYA PRADESH	ISOL ^{TS}	D	D	D	D	D	D
20	EAST MADHYA PRADESH	ISOL ^{TS}	ISOL	D	D	D	D	D
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	D	D
23	KONKAN & GOA	ISOL	ISOL	ISOL	ISOL	D	D	D
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	D	D	D	D
25	MARATHAWADA	ISOL ^{TS}	ISOL	D	D	D	D	D
26	VIDARBHA	ISOL [†]	ISOL [†]	D [†]	D	D	D	D
27	CHHATTISGARH	ISOL ^{TS}	ISOL	D	D	D	D	D
28	COASTAL ANDHRA PRADESH	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	D	ISOL	ISOL	D	D	D	D
30	RAYALASEEMA	ISOL ^{TS}	ISOL	SCT	SCT	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT ^{TS}	SCT ^{TS}	ISOL	ISOL	ISOL	SCT	SCT
32	COASTAL KARNATAKA	SCT ^{TS}	SCT ^{TS}	FWS	SCT	SCT	ISOL	ISOL
33	NORTH INT.KARNATAKA	ISOL ^{TS}	ISOL	SCT	SCT	SCT	ISOL	ISOL
34	SOUTH INT.KARNATAKA	SCT ^{TS}	SCT ^{TS}	SCT [*]	FWS ^{TS*}	FWS [*]	SCT	FWS
35	KERALA	FWS ^{TS*}	SCT ^{TS}	SCT ^{TS}	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	FWS ^{TS*}	SCT ^{TS}	FWS [*]	WS	WS	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)	
\$ THUNDER SQUALL		DS/TS DUST/THUNDERSTORM	‡ COLD WAVE (-4.5°C to -6.4°C)	‡ SEVERE COLD WAVE (< -6.4)	

Table: 1.4

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

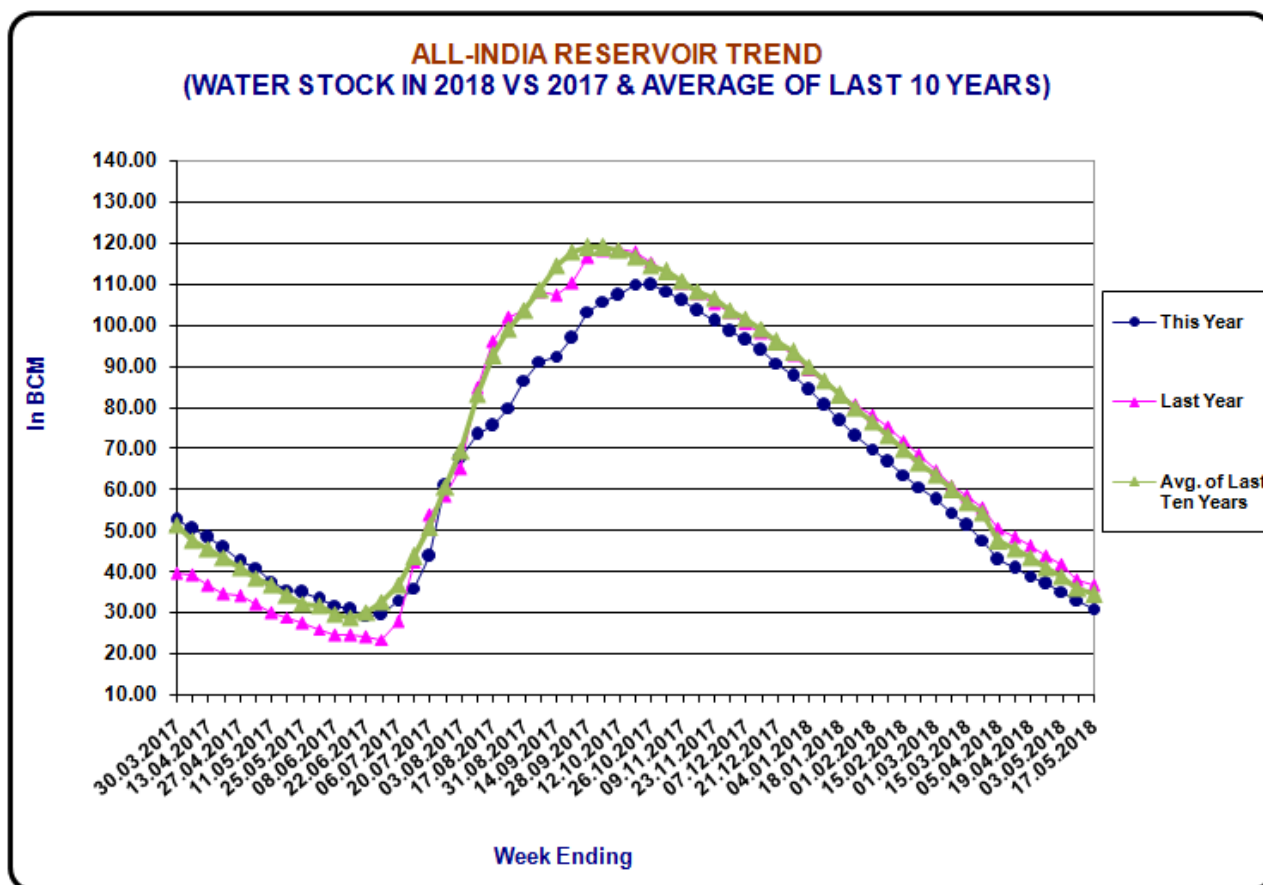
2. Reservoir Status (For the week ending on 17.05.2018)

- **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 31.07 BCM from the previous week's level of 32.98 BCM. Current storage is lower than the last year's position of 36.76 BCM and the average of last 10 year's storage of 34.58 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	19	85	90
Last Week	21	87	92
The percentage to live capacity at FRL was 23% on 17/05/2017, 19% on 17/05/2016, 29% on 14/05/2015 and 30% on 15/05/2014.			
<i>Source: CWC</i>			

There were 54 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 51% to 80%, 10 reservoir having storage between 31% to 50%, 12 reservoirs having storage upto 30% of Normal Storage and 4 reservoir 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 Kharif 2018 (As on 17.05.2018)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	201	89	736	161
Requirement for Kharif, 2018	14891	4918	2025	4973	2625
Requirement for May, 2018	2096	765	279	640	363
Availability upto 17.05.2018	4210	917	471	1620	490
Sales upto 17.05.2018	2239	488	236	381	265
Closing Stock upto 17.05.2018	1972	429	235	1240	225

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

4. Pest & Diseases:

- Incidence of Black Headed Caterpillar and Blight in Coconut reported Low to Medium intensity at Ramanagara, Chitragurga, Bengaluru rural and Tumkur districts of Karnataka 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-2018	Mar-2018	Apr-2017
All Commodities	100	3.18	2.47	3.85
Primary Articles	22.62	1.41	0.24	1.03
(a) Food Articles	15.26	0.87	-0.29	0.58
Cereals	2.82	0.21	-0.55	6.88
Paddy	1.43	3.86	3.05	8.29
Wheat	1.03	-0.07	-1.19	6.09
Pulses	0.64	-22.46	-20.58	-13.64
Gram	0.26	-30.75	-28.37	15.27
Arhar	0.13	-9.36	-7.46	-41.52
Moong	0.07	-7.70	-1.13	-25.52
Masur	0.05	-22.22	-21.69	-16.86
Urad	0.09	-26.09	-25.81	-29.81
Vegetables	1.87	-0.89	-2.70	-8.01
Potato	0.28	67.94	43.25	-40.67
Onion	0.16	13.62	42.22	-12.63
Fruits	1.60	19.47	9.26	0.00
Milk	4.44	2.54	3.08	4.40
Egg, Meat & Fish	2.40	-2.00	-0.82	-0.81
(b) Non-Food Articles	4.12	-1.81	-1.39	-0.08
Oilseeds	1.12	6.54	7.77	-8.52
Fuel & Power	13.15	7.85	4.70	17.11

7. **Progressive procurement of Rice as on 18.05.2018**

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 18.05.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	33.33	34.02
Telangana	34.00	28.94	25.81
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	2.32	3.17	3.02
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.62	2.47
Odisha	37.00	25.96	28.07
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	7.55	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.41	17.66
All-India	430.00	341.00	356.77

8. **Progressive procurement of Wheat as on 18.05.2018**

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 18.05.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.35	0.06
Haryana	74.00	87.37	74.11
Madhya Pradesh	67.00	66.17	63.16
Punjab	119.00	125.88	116.04
Rajasthan	16.00	13.74	10.04
Uttar Pradesh	40.00	34.15	20.13
Uttrakhand	1.00	0.74	0.02
All-India	320.00	328.55	283.62