

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: 29.05.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 25.05.2018.

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week (17th May, 2018 – 23rd May, 2018) has been 29% 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 27% in Central India but lower than LPA by 63% in North West India, 43% in East & North East India and 7% in South Peninsula.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01st March to 23rd May, 2018 has been 13% 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 26% in South Peninsula but lower than LPA by 25% each in North West India, 24% in East & North East India and 1% in Central India.*
- *Out of 36 met sub-divisions, 8 met subdivision constituting 18% of the total area of the country has received large excess/excess rainfall, 11 met sub-divisions constituting 28% of the total area of the country has received normal rainfall, 17 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 24th May, 2018 has been 29.30 BCM as against 35.18 BCM on 24.05.2017 (last year) and 32.22 BCM of normal (average of the last 10 years) storage. Current year's storage is 83% of last year's storage and 91% of average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 25.05.2018 for 2017-18 was at 348.45 lakh tonnes against the procurement of 362.38 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 338.53 lakh tonnes which was higher than the procurement of 292.16 lakh tonnes in the corresponding period of RMS 2017-18.*
- *For the forth coming Kharif 2018 the requirement of soyabean certified/quality seed is 2909762.00 Qtls. against which the production/availability is 2816592.00 Qtls. The deficit of 93170.00 Qtls. will be met from mainly from farm saved seeds. Besides, farmers are advised to sow the soyabean crop in Broad bed furrow method, dipping of soyabean seed with reduced seed rate 50-60 kg instead of 75 kg per ha.*

1. **Pre Monsoon Season (March – May) during the week ending 23rd May, 2018**

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

- **Rainfall during the week (17th May, 2018 to 23rd May, 2018)** Rainfall was large excess/excess in 6 met sub-divisions, normal in 3 met sub-division, deficient/large deficient in 24 sub-divisions and no rain in 3 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2018 to 23rd May, 2018)** Rainfall was large excess/excess in 8, normal in 11 met sub-divisions, deficient/large deficient in 17 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (23.05.2018)				Cumulative (01.03.18 to 23.05.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	2.7	7.3	-63	LD	77.9	103.9	-25	D
Central India	5.2	4.1	27	E	32.5	32.9	-1	N
South Peninsular India	18.4	19.7	-7	N	127.0	100.7	26	E
East & North-East India	24.2	42.6	-43	D	237.9	314.7	-24	D
Country as a whole	10.0	14.2	-29	D	97.8	113.0	-13	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 23rd May, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st March to					
	22 MAY 2013	21 MAY 2014	20 MAY 2015	25 MAY 2016	24 MAY 2017	23 MAY 2018
Large Excess	-	-	-	-	01	02
Excess	03	14	29	05	04	06
Normal	09	11	06	16	13	11
Total	12	25	35	21	18	19
Deficient	18	09	01	11	11	13
Large Deficient	-	-	-	-	07	04
Scanty	06	02	00	04	-	-
No rain	00	00	00	00	00	00
Total	24	11	01	15	18	17
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 29%	(-) 3%	53%	(-) 3%	(-) 5%	(-) 13%

Source: IMD

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

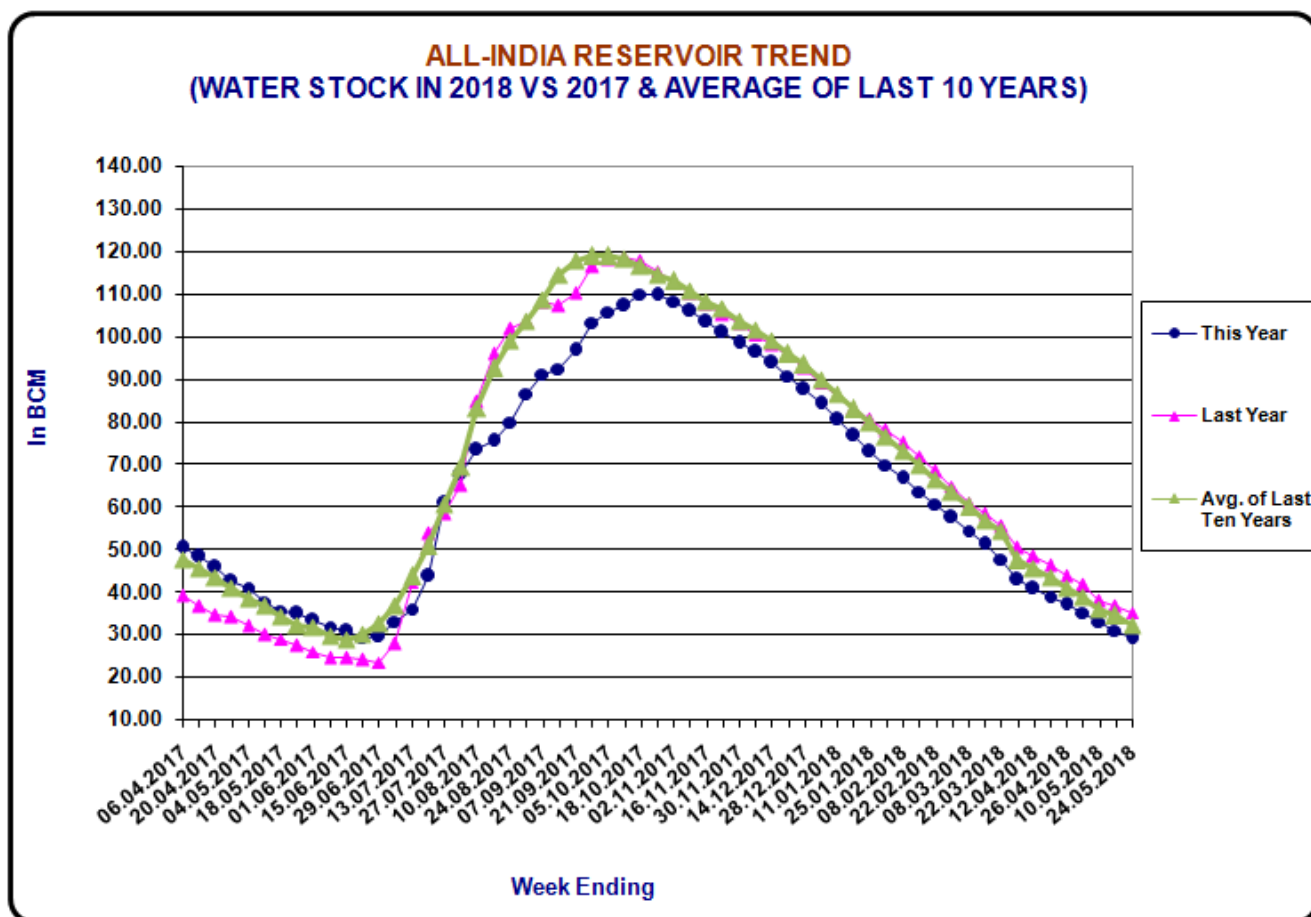
2. Reservoir Status (For the week ending on 24.05.2018)

- **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 29.30 BCM from the previous week's level of 31.07 BCM. Current storage is lower than the last year's position of 35.18 BCM and the average of last 10 year's storage of 32.22 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	83	91
Last Week	20	85	90
The percentage to live capacity at FRL was 22% on 24/05/2017, 17% on 24/05/2016, 28% on 21/05/2015 and 29% on 22/05/2014.			
<i>Source: CWC</i>			

There were 52 reservoirs having storage more than 80% of normal storage, 16 reservoirs having storage between 50% to 80%, 8 reservoir having storage between 30% to 50%, 15 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 24.05.2018)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	89	727	161
Requirement for Kharif, 2018	14891	4918	2025	4973	2625
Requirement for May, 2018	2096	765	279	640	363
Availability upto 24.05.2018	4792	1100	547	1796	581
Sales upto 24.05.2018	2715	614	275	487	352
Closing Stock upto 24.05.2018	2077	486	272	1309	229

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 Channapatna and Kanakpura taluk of Ramanagara, District of Karnataka state. Further infestation is under control. An advisory has been issued to the concerned 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. Progressive procurement of Rice as on 25.05.2018

Table: 6.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 25.05.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	35.97	34.83
Telangana	34.00	32.69	29.77
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Jharkhand	2.50	1.43	1.33
Kerala	2.32	3.24	3.02
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.64	2.52
Odisha	37.00	26.75	28.07
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	7.70	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttarakhand	7.00	0.38	7.06
West Bengal	27.00	0.43	18.29
All-India	430.00	348.45	362.38

7. Progressive procurement of Wheat as on 25.05.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 25.05.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.36	0.06
Haryana	74.00	87.37	74.32
Madhya Pradesh	67.00	70.56	65.44
Punjab	119.00	126.56	116.64
Rajasthan	16.00	14.47	10.82
Uttar Pradesh	40.00	38.19	24.77
Uttarakhand	1.00	0.87	0.02
All-India	320.00	338.53	292.16