

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: 14.05.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 11.05.2018.

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week (03rd May, 2018 – 09th May, 2018) has been 39% 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 127% in North West India, 88% in South Peninsula, 2% in East & North East India but lower than LPA by 14% in Central India.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01st March to 09th 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 33% in South Peninsula but lower than LPA by 23% in East & North East India, 22% in North West India and 2% in Central India.*
- *Out of 36 met sub-divisions, 08 met subdivision constituting 18% of the total area of the country has received large excess/excess rainfall, 11 met sub-divisions constituting 27% of the total area of the country has received normal rainfall, 17 met subdivisions constituting 55% 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 10th May, 2018 has been 33.19 BCM as against 37.92 BCM on 10.05.2017 (last year) and 35.98 BCM of normal (average of the last 10 years) storage. Current year's storage is 88% of last year's storage and 92% of average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 11.05.2018 for 2017-18 was at 335.20 lakh tonnes against the procurement of 349.22 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 312.02 lakh tonnes which was higher than the procurement of 271.09 lakh tonnes in the corresponding period of RMS 2017-18.*

Pre Monsoon Season (March – May) during the week ending 09th May, 2018

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

- **Rainfall during the week (03rd May, 2018 to 09th May, 2018)** Rainfall was large excess/excess in 19 met sub-divisions, normal in 06 met sub-division, deficient/large deficient in 07 sub-divisions and no rain in 04 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2018 to 09th May, 2018)** Rainfall was large excess/excess in 08, 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 (09.05.2018)				Cumulative (01.03.18 to 09.05.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	13.0	5.7	127	LE	68.0	86.9	-22	D
Central India	2.8	3.3	-14	N	23.2	23.7	-2	N
South Peninsular India	24.1	12.8	88	LE	83.4	62.9	33	E
East & North-East India	38.4	37.6	2	N	177.6	231.6	-23	D
Country as a whole	15.8	11.4	39	E	73.4	84.2	-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 09th May, 2018

No. of Sub-Divisions with rainfall	<i>For the period from 1st March to</i>					
	08 MAY 2013	07 MAY 2014	06 MAY 2015	11 MAY 2016	10 MAY 2017	09 MAY 2018
Large Excess	-	-	-	-	01	01
Excess	05	15	29	04	04	07
Normal	06	08	07	13	10	11
Total	11	23	36	17	15	19
Deficient	20	07	00	14	12	14
Large Deficient	-	-	-	-	09	03
Scanty	05	06	00	05	-	-
No rain	00	00	00	00	00	00
Total	25	13	00	19	21	17
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 30%	(-) 11%	72%	(-) 12%	0%	(-) 13%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 04th May to 08th 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	10 MAY	11 MAY	12 MAY	13 MAY	14 MAY	15 MAY	16 MAY
1	ANDAMAN & NICO.ISLANDS	SCT	SCT	FWS	FWS	FWS	SCT	SCT
2	ARUNACHAL PRADESH	FWS	SCT	SCT	SCT	SCT	FWS	FWS
3	ASSAM & MEGHALAYA	WS ^{TS}	FWS	SCT	FWS	FWS	FWS	FWS
4	NAGA.MANI.MIZO.& TRIPURA	FWS ^{TS}	FWS	SCT	FWS	FWS	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	SCT ^{S#}	SCT	SCT	FWS ^S	FWS ^S	FWS	FWS
6	GANGETIC WEST BENGAL	SCT ^{S#}	SCT ^{TS}	ISOL ^{TS}	SCT ^S	SCT ^S	SCT	SCT
7	ODISHA	SCT ^{TS}	ISOL	ISOL	SCT ^S	SCT ^S	SCT	ISOL
8	JHARKHAND	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	SCT ^S	SCT ^S	ISOL	ISOL
9	BIHAR	ISOL ^{TS}	ISOL	ISOL	SCT ^S	SCT ^S	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	D	ISOL ^{TS}	SCT ^S	SCT ^S	ISOL	D
11	WEST UTTAR PRADESH	ISOL	D	D ^{DS}	SCT ^S	ISOL ^S	ISOL	D
12	UTTARAKHAND	ISOL	D	ISOL	WS ^{S#}	FWS ^{S#}	ISOL	ISOL
13	HARYANA CHD. & DELHI	ISOL	D	D	ISOL	ISOL ^{TS}	ISOL	D
14	PUNJAB	D	D	ISOL	ISOL	ISOL ^{TS}	D	D
15	HIMACHAL PRADESH	D	D	ISOL	FWS ^{S#}	WS ^{S#}	SCT	ISOL
16	JAMMU & KASHMIR	D	D	SCT ^{TS}	FWS ^{S#}	FWS ^{S#}	SCT	SCT
17	WEST RAJASTHAN	D	D	D	ISOL	ISOL ^{DS}	D ^{DS}	D
18	EAST RAJASTHAN	D	D	D	D	ISOL ^{DS}	ISOL ^{DS}	D
19	WEST MADHYA PRADESH	D	D	D	ISOL	ISOL	ISOL	D
20	EAST MADHYA PRADESH	D	D	ISOL	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	D	ISOL	ISOL	ISOL	D	ISOL
26	VIDARBHA	D	D	ISOL	ISOL	ISOL	D	D
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL ^{TS}	SCT	FWS	FWS	SCT	SCT
29	TELANGANA	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
30	RAYALASEEMA	ISOL	ISOL	SCT	SCT	SCT	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT ^{TS}	SCT	SCT	SCT ^S	FWS ^S	SCT	SCT
32	COASTAL KARNATAKA	WS ^{TS}	FWS	FWS	WS	WS	FWS	FWS
33	NORTH INT.KARNATAKA	SCT ^{TS}	ISOL	ISOL	SCT	SCT	SCT	SCT
34	SOUTH INT.KARNATAKA	FWS ^S	FWS ^{TS}	SCT	SCT ^{TS}	FWS ^{TS}	FWS	FWS
35	KERALA	WS ^{TS}	FWS ^{TS}	FWS ^S	FWS ^{TS}	FWS ^{TS}	FWS	FWS
36	LAKSHADWEEP	WS	SCT	SCT	SCT	FWS	FWS	FWS
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	11-May Today	12May Sat	13May Sun	14May Mon	15May Tue
1. Andaman & Nicobar Islands	SCT	FWS	FWS	FWS	FWS
2. Arunachal Pradesh	SCT	SCT	SCT	SCT	SCT
3. Assam & Meghalaya	FWS	SCT	FWS	FWS	FWS
4. N. M. M. & T.	FWS	SCT	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	SCT	SCT	FWS	FWS	FWS
6. Gangetic West Bengal	SCT	ISOL	SCT	SCT	SCT
7. Odisha	ISOL	ISOL	SCT	SCT	SCT
8. Jharkhand	ISOL	ISOL	SCT	SCT	SCT
9. Bihar	ISOL	ISOL	SCT	SCT	SCT
10. East Uttar Pradesh	DRY	ISOL	SCT	SCT	SCT
11. West Uttar Pradesh	DRY	DRY	SCT	ISOL	ISOL
12. Uttarakhand	DRY	ISOL	WS	FWS	FWS
13. Haryana, Chd & Delhi	DRY	DRY	ISOL	ISOL	ISOL
14. Punjab	DRY	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	DRY	ISOL	FWS	WS	WS
16. Jammu & Kashmir	DRY	SCT	FWS	FWS	FWS
17. West Rajsthan	DRY	DRY	ISOL	ISOL	ISOL
18. East Rajasthan	DRY	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	ISOL	ISOL	ISOL
20. East Madhya Pradesh	DRY	ISOL	ISOL	ISOL	ISOL
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	ISOL	ISOL	ISOL	ISOL
24. Madhya Maharashtra	ISOL	ISOL	ISOL	ISOL	ISOL
25. Marathawada	DRY	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	DRY	ISOL	ISOL	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	SCT	FWS	FWS	FWS
29. Telangana	ISOL	ISOL	SCT	SCT	SCT
30. Rayalaseema	ISOL	SCT	SCT	SCT	SCT
31. Tamilnadu & Puducherry	SCT	SCT	SCT	FWS	FWS
32. Coastal Karnataka	FWS	FWS	WS	WS	WS
33. North Interior Karnataka	ISOL	ISOL	SCT	SCT	SCT
34. South Interior Karnataka	FWS	SCT	SCT	FWS	FWS
35. Kerala	FWS	FWS	FWS	FWS	FWS
36. Lakshadweep	SCT	SCT	SCT	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		

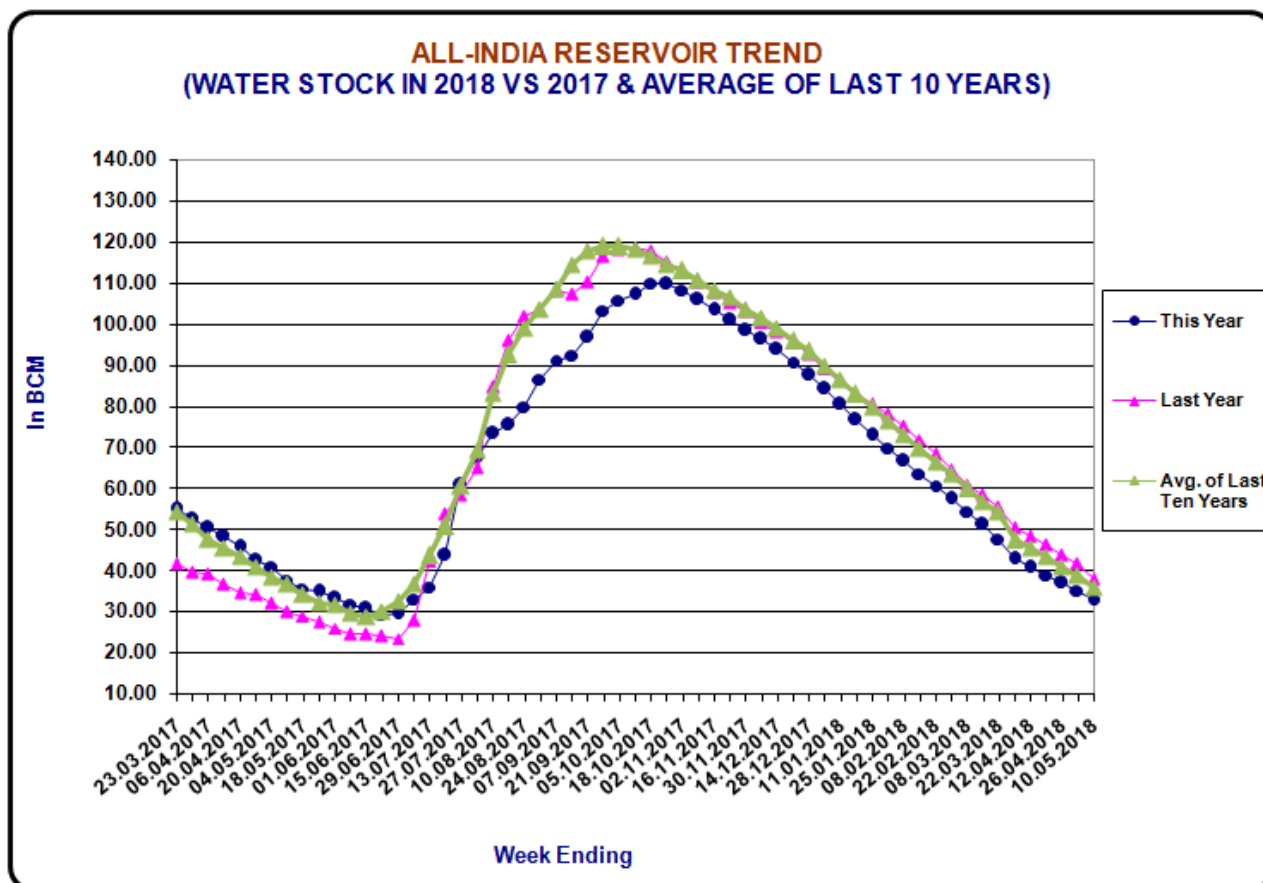
2. Reservoir Status (For the week ending on 10.05.2018)

- **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 33.19 BCM from the previous week's level of 35.19 BCM. Current storage is lower than the last year's position of 37.92 BCM and the average of last 10 year's storage of 35.98 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	20	88	92
Last Week	22	85	90
The percentage to live capacity at FRL was 23% on 10/05/2017, 19% on 10/05/2016, 30% on 07/05/2015 and 31% on 08/05/2014.			
<i>Source: CWC</i>			

There were 56 reservoirs having storage more than 80% of normal storage, 14 reservoirs having storage between 50% to 80%, 11 reservoir having storage between 30% to 50%, 10 reservoirs having storage upto 30% of Normal Storage and 05 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 10.05.2018)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1011	201	89	736	161
Requirement for Kharif, 2018	14890	4918	2025	4973	2625
Requirement for May, 2018	2096	765	279	640	363
Availability upto 10.05.2018	3687	776	421	1452	411
Sales upto 10.05.2018	1867	390	196	300	203
Closing Stock upto 10.05.2018	1820	386	225	1152	209

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

4. Pest & Diseases:

- 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 11.05.2018

Table: 6.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 11.05.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	33.33	33.12
Telangana	34.00	23.85	21.34
Bihar	12.00	7.96	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	2.32	3.09	2.99
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.61	2.47
Odisha	37.00	25.65	27.94
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	7.21	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.39	15.65
All-India	430.00	335.20	349.22

7. Progressive procurement of Wheat as on 11.05.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 11.05.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.32	0.05
Haryana	74.00	85.42	73.28
Madhya Pradesh	67.00	60.33	58.54
Punjab	119.00	123.98	114.95
Rajasthan	16.00	12.34	9.07
Uttar Pradesh	40.00	28.88	15.10
Uttrakhand	1.00	0.60	0.01
All-India	320.00	312.02	271.09