

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: 27.03.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 23.03.2018.

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week (15th March, 2018 – 21st March, 2018) has been 06% 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 697% in South Peninsula, 06% in East & North East India and lower than LPA by 71% in Central India, 50% in North West India.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01st March to 21st March, 2018 has been 35% 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 142% in South Peninsula and lower than LPA by 90% in Central India, 58% in North West India, 20% in East & North East India.*
- *Out of 36 met sub-divisions, 09 met subdivision constituting 17% of the total area of the country has received large excess/excess rainfall, 04 met sub-divisions constituting 10% of the total area of the country has received normal rainfall, 21 met subdivisions constituting 67% of the total area of the country has received deficient/large deficient rainfall and 02 met sub-divisions constituting 06% of the total area of the country has received no rain.*
- *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 22nd March, 2018 has been 47.77 BCM as against 55.56 BCM on 22.03.2017 (last year) and 54.29 BCM of normal (average of the last 10 years) storage. Current year's storage is 86% of last year's storage and also 88% of average of last 10 year's storage.*
- *As per 2nd advance estimates 2017-18 of Rabi crops, around 99% of the normal area was sown. Area sown under all Rabi crops taken together has been reported at 619.45 lakh hectares (2nd advance estimates) at All India level as compared to 635.33 lakh hectares in the final estimates of 2016-17.*
- *All-India progressive procurement of Rice as on 23.03.2018 for 2017-18 was at 309.76 lakh tonnes against the procurement of 313.97 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 0.48 lakh tonnes which was lower than the procurement of 1.87 lakh tonnes in the corresponding period of RMS 2017-18.*

Pre Monsoon Season (March – May) during the week ending 21st March, 2018

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

- **Rainfall during the week (15th March, 2018 to 21st March, 2018)** Rainfall was large excess/excess in 13 met sub-divisions, deficient/large deficient in 20 subdivisions and no rain in 03 met subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2018 to 21st March, 2018)** Rainfall was large excess/excess in 09, normal in 04 met sub-divisions, deficient/large deficient in 21 sub-divisions and no rain in 02 subdivisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (21.03.2018))				Cumulative (01.03.18 to 21.03.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	6.1	12.3	-50	D	13.8	32.7	-58	D
Central India	0.5	1.7	-71	LD	0.6	6.2	-90	LD
South Peninsular India	15.2	1.9	697	LE	17.7	7.3	142	LE
East & North-East India	15.0	14.1	6	N	30.9	38.5	-20	D
Country as a whole	7.4	7.0	6	N	12.8	19.8	-35	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, to 21st March, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st March to					
	20 MAR 2013	19 MAR 2014	18 MAR 2015	23 MAR 2016	22 MAR 2017	21 MAR 2018
Large Excess	-	-	-	-	13	08
Excess	10	23	26	18	03	01
Normal	00	04	01	03	06	04
Total	10	27	27	21	22	13
Deficient	07	05	05	10	08	03
Large Deficient	-	-	-	-	03	18
Scanty	16	02	03	03	-	-
No rain	03	02	01	02	03	02
Total	26	09	09	15	14	23
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 61%	55%	197%	13%	14%	(-) 35%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 23rd March to 27th March, 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	22 MAR	23 MAR	24 MAR	25 MAR	26 MAR	27 MAR	28 MAR
1	ANDAMAN & NICO.ISLANDS	D	ISOL	SCT	SCT	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	SCT	FWS	ISOL	ISOL	SCT	SCT	ISOL
3	ASSAM & MEGHALAYA	ISOL ^{TS}	SCT ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	ISOL ^{TS}	SCT ^{TS}	ISOL	D	ISOL	ISOL	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	ISOL ^{TS#}	SCT ^{TS}	ISOL	D	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	ISOL ^{TS}	SCT ^{TS}	ISOL	D	D	D	D
7	ODISHA	ISOL ^{TS}	ISOL	ISOL	D	D	D	ISOL
8	JHARKHAND	ISOL ^{TS}	D	D	D	D	D	D
9	BIHAR	ISOL ^{TS}	D	D	D	D	D	D
10	EAST UTTAR PRADESH	ISOL	D	D	D	D	D	D
11	WEST UTTAR PRADESH	D	D	D	D	D	D	D
12	UTTARAKHAND	ISOL	D	D	D	D	D	ISOL
13	HARYANA CHD. & DELHI	D	D	D	D	D	D	D
14	PUNJAB	D	D	D	D	D	D	D
15	HIMACHAL PRADESH	SCT	D	D	D	D	D	ISOL
16	JAMMU & KASHMIR	ISOL	D	ISOL	ISOL	D	ISOL	ISOL
17	WEST RAJASTHAN	D	D	D	D	D	D	D
18	EAST RAJASTHAN	D	D	D	D	D	D	D
19	WEST MADHYA PRADESH	D	D	D	D	D	D	D
20	EAST MADHYA PRADESH	D	D	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	D	D	D	ISOL	D	D	D
24	MADHYA MAHARASHTRA	D	D	ISOL	ISOL	D	D	D
25	MARATHAWADA	D	D	D	D	D	D	ISOL
26	VIDARBHA	D	D	D	D	D	D	D
27	CHHATTISGARH	ISOL	D	D	D	D	D	D
28	COASTAL ANDHRA PRADESH	ISOL	D	D	D	D	D	ISOL
29	TELANGANA	ISOL	ISOL	D	D	D	D	ISOL
30	RAYALASEEMA	D	D	D	D	D	D	D
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	D	D	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	D	D	D	D	D	ISOL	ISOL
33	NORTH INT.KARNATAKA	D	D	D	D	D	D	ISOL
34	SOUTH INT.KARNATAKA	ISOL	D	D	D	D	D	ISOL
35	KERALA	ISOL	ISOL	D	D	ISOL	ISOL	ISOL
36	LAKSHADWEEP	D	D	D	ISOL	D	D	D
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			🔥 SEVERE HEAT WAVE	
§ THUNDER SQUALL	DS/TS DUST/THUNDERSTORM			❄️ COLD WAVE			❄️ SEVERE COLD WAVE	

Table: 1.4

Met-Sub-Division	23-Mar Today	24Mar Sat	25Mar Sun	26Mar Mon	27Mar Tue
1. Andaman & Nicobar Islands	ISOL	SCT	SCT	ISOL	ISOL
2. Arunachal Pradesh	WS	SCT	ISOL	FWS	FWS
3. Assam & Meghalaya	FWS	ISOL	ISOL	SCT	SCT
4. N. M. M. & T.	SCT	ISOL	DRY	ISOL	SCT
5. S.H. West Bengal & Sikkim	SCT	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	ISOL	ISOL	DRY	DRY	DRY
7. Odisha	ISOL	ISOL	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	ISOL	ISOL	DRY	DRY
17. West Rajasthan	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	DRY
24. Madhya Maharashtra	DRY	ISOL	ISOL	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	DRY	DRY	DRY	DRY
29. Telangana	ISOL	DRY	DRY	DRY	DRY
30. Rayalaseema	ISOL	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	DRY	DRY	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	DRY	DRY
35. Kerala	ISOL	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	DRY	DRY	ISOL	ISOL	DRY

% 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		

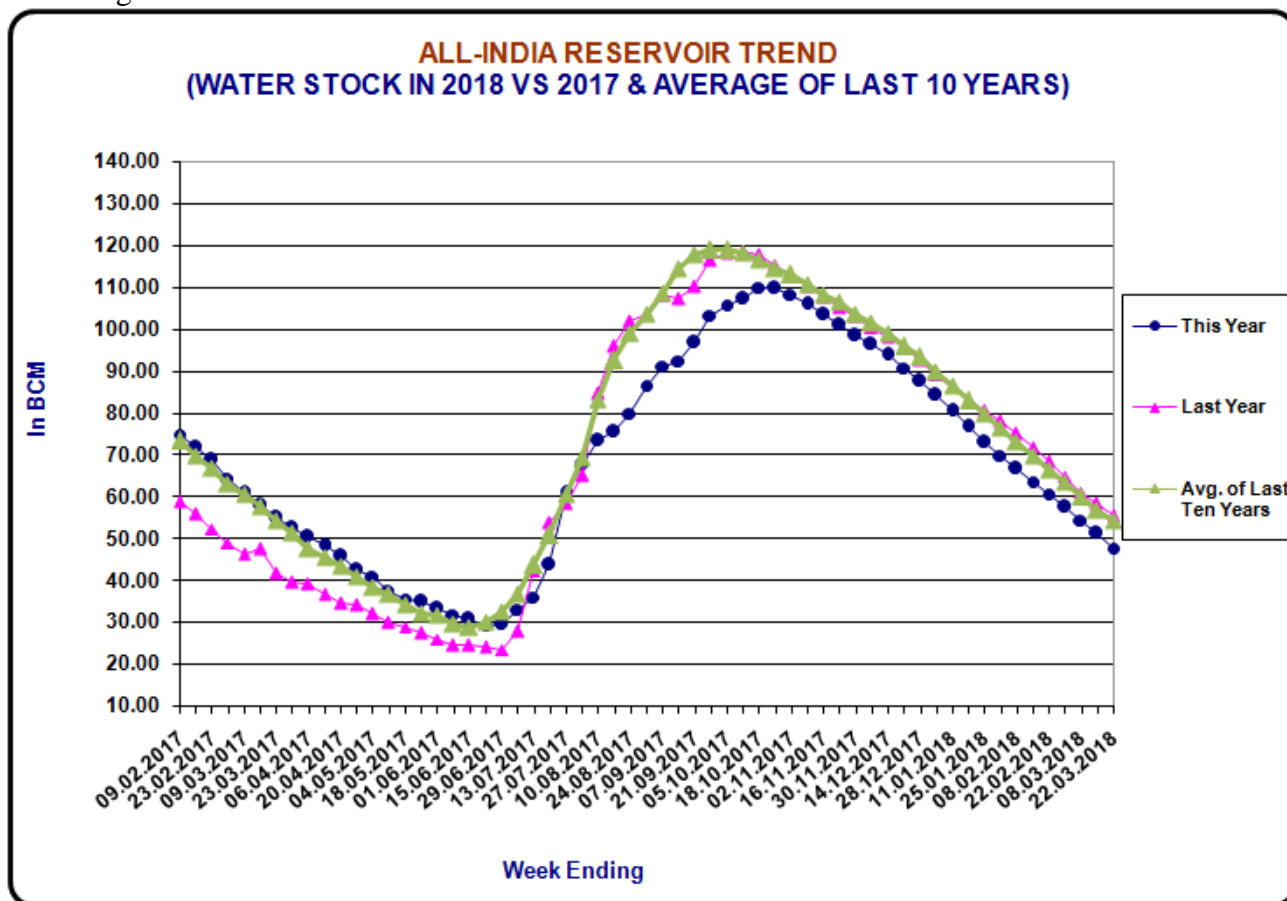
2. Reservoir Status (For the week ending on 22.03.2018)

- 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 47.77 BCM from the previous week's level of 51.39 BCM. Current storage is lower than the last year's position of 55.56 BCM and the average of last 10 year's storage of 54.29 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	29	86	88
Last Week	33	88	90
The percentage to live capacity at FRL was 34% on 22/03/2017, 26% on 22/03/2016, 37% on 19/03/2015 and 44% on 20/03/2014.			
<i>Source: CWC</i>			

There were 55 reservoirs having storage more than 80% of normal storage, 17 reservoirs having storage between 50% to 80%, 11 reservoir having storage between 30% to 50%, 08 reservoirs having storage upto 30% of Normal Storage and 03 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 Rabi 2018 (As on 22.03.2018)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.10.2017	1080	967	214	966	242
Requirement for Rabi, 2017	15378	5055	1670	5046	2948
Requirement for March, 2018	1568	435	179	718	367
Availability upto 22.03.2018	15800	4677	1515	5549	2112
Sales upto 22.03.2018	14577	4123	1328	4253	1813
Closing Stock upto 22.03.2018	1223	554	188	1296	299

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

4. Pest & Diseases:

- Overall incidence 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. All India Crop Situation

Table: 6.1

All India Rabi Crop Situation - 2nd Adv. Est. (2017-18) vis-à-vis Final (2016-17)						
(Area in lakh hectares)						
Crop Name	Normal Area	Area sown			Absolute Change over (+/-)	% Change over
		2nd Adv. Est. (2017-18)	% of Normal	Final Est. (2016-17)	Last Year	Last Year
Wheat	304.43	300.48	98.7	307.85	-7.4	-2.4
Rice	41.07	41.37	100.7	41.48	-0.1	-0.3
Jowar	37.52	29.81	79.5	35.65	-5.8	-16.4
Maize	15.73	16.33	103.8	17.92	-1.6	-8.9
Barley	6.62	7.37	111.4	6.56	0.8	12.3
Total Coarse Cereals	59.87	53.51	89.4	60.13	-6.6	-11.0
Total Cereals	405.37	395.36	97.5	409.46	-14.1	-3.4
Gram	86.80	104.25	120.1	96.26	8.0	8.3
Urad	7.85	8.47	107.9	10.00	-1.5	-15.3
Moong	9.26	5.78	62.4	9.57	-3.8	-39.6
Others	33.31	32.54	97.7	35.00	-2.5	-7.0
Total Pulses	137.22	151.05	110.1	150.83	0.2	0.1
Total Foodgrains	542.59	546.41	100.7	560.29	-13.9	-2.5
Rapeseed & Mustard	60.89	58.54	96.1	60.65	-2.1	-3.5
Groundnut	8.22	8.39	102.1	7.60	0.8	10.5
Safflower	1.83	0.71	39.0	1.45	-0.7	-50.9
Sunflower	4.33	2.07	47.7	2.08	0.0	-0.4
Linseed	2.92	3.32	113.7	3.33	0.0	-0.3
Total Oilseeds (Nine)	81.17	73.04	90.0	75.04	-2.0	-2.7
All- Crops	623.76	619.45	99.3	635.33	-15.9	-2.5

Source: Crops & TMOP Divisions, DAC&FW

7. **Progressive procurement of Rice as on 23.03.2018**

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 23.03.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	27.15	25.55
Telangana	34.00	12.23	11.02
Bihar	12.00	6.77	9.42
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	2.32	1.59	1.79
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.57	2.38
Odisha	37.00	23.96	22.59
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	4.50	1.33
Uttar Pradesh	37.00	28.75	23.54
Uttarakhand	7.00	0.38	7.06
West Bengal	27.00	0.27	8.51
All-India	430.00	309.76	313.97

8. **Progressive procurement of Wheat as on 23.03.2018**

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 23.03.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Gujarat	0.50	0.01	0.00
Madhya Pradesh	67.00	0.47	1.86
All-India	320.00	0.48	1.87