

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: 05.03.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 01.03.2018.

Summary observations of the Group on Agenda Items

- *In the winter season, at All-India level, the rainfall during the week (22nd February, 2018 – 28th February, 2018) has been 55% 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 98% in Central India, 90% in South Peninsula, 49% in North West India and 41% in East & North East India.*
- *The cumulative rainfall in the country during the winter monsoon season i.e. 01st January to 28th February, 2018 has been 63% 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 67% in North West India, 59% in East & North East India, 58% in Central India and 43% in South Peninsula.*
- *Out of 36 met sub-divisions, 01 met subdivision has received large excess rainfall, 02 met subdivisions constituting 05% of the total area of the country has received normal rainfall, 32 met sub-divisions constituting 92% of the total area of the country has received deficient/large deficient rainfall and 01 met sub-divisions constituting 03% 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 01st March, 2018 has been 57.68 BCM as against 64.91 BCM on 01.03.2017 (last year) and 63.47 BCM of normal (average of the last 10 years) storage. Current year's storage is 89% of last year's storage and also 91% of average of last 10 year's storage.*
- *As per 2nd advance estimates 2017-18 of Rabi crops, around 99% of the normal area. Area sown under all Rabi crops taken together has been reported 619.45 lakh hectares (2nd advance) 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 01.03.2018 for 2017-18 was higher at 301.20 lakh tonnes against the procurement of 296.46 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 308.25 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*

Winter Season (January – February) during the week ending 28th February, 2018

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

- **Rainfall during the week (22nd February, 2018 to 28th February, 2018)** Rainfall was large excess/excess in 03 met sub-divisions, normal in 01 met sub-division, deficient/large deficient in 15 subdivisions and no rain in 17 met subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st January, 2018 to 28th February, 2018)** Rainfall was large excess/excess in 01 met sub-divisions, normal in 02 met sub-divisions, deficient/large deficient in 32 met sub-divisions and no rain in 01 met subdivisions out of 36 meteorological met sub-divisions.

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

Region	Week Ending (28.02.2018)				Cumulative (01.01.18 to 28.02.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	5.5	10.7	-49	D	25.3	77.6	-67	LD
Central India	0.0	1.9	-98	LD	6.7	15.9	-58	D
South Peninsular India	0.2	2.3	-90	LD	8.7	15.2	-43	D
East & North-East India	6.0	10.1	-41	D	23.1	55.8	-59	D
Country as a whole	2.7	6.0	-55	D	15.4	41.4	-63	LD

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 Jan., to 28th Feb., 2018

No. of Sub-Divisions with rainfall	For the period from 1 st January to					
	28 FEB 2013	28 FEB 2014	28 FEB 2015	29 FEB 2016	28 FEB 2017	28 FEB 2018
Large Excess	-	-	-	-	02	01
Excess	25	16	09	03	03	00
Normal	04	05	09	03	05	02
Total	29	21	18	06	10	03
Deficient	02	10	12	11	08	10
Large Deficient	-	-	-	-	12	22
Scanty	05	05	06	16	-	-
No rain	00	00	00	03	06	01
Total	07	15	18	30	26	33
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	26%	13%	(-) 9%	(-) 57%	(-) 5%	(-) 63%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 01st March to 05th 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	01 MAR	02 MAR	03 MAR	04 MAR	05 MAR	06 MAR	07 MAR
1	ANDAMAN & NICO.ISLANDS	D	D	D	D	D	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	FWS ^{TS#*}	WS ^{TS#*}	ISOL	SCT	SCT	ISOL
3	ASSAM & MEGHALAYA	ISOL	SCT ^{TS#}	SCT ^{TS#}	ISOL	ISOL	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	ISOL	ISOL ^{TS#}	D	ISOL	ISOL	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	SCT ^{TS#}	SCT ^{TS#}	ISOL	ISOL	ISOL	ISOL	D
6	GANGETIC WEST BENGAL	D	D	D	D	ISOL	D	D
7	ODISHA	D	D	D	D	ISOL	D	D
8	JHARKHAND	D	D	D	D	ISOL	D	D
9	BIHAR	D	D	D	D	ISOL	D	D
10	EAST UTTAR PRADESH	D	D	D	D	ISOL	D	D
11	WEST UTTAR PRADESH	D	D	D	ISOL ^{TS#}	ISOL	D	D
12	UTTARAKHAND	ISOL	SCT	SCT	FWS ^{TS#}	ISOL	D	D
13	HARYANA CHD. & DELHI	ISOL	D	D	ISOL ^{TS#}	D	D	D
14	PUNJAB	ISOL	ISOL	ISOL ^{TS#}	ISOL ^{TS#}	D	D	D
15	HIMACHAL PRADESH	SCT	FWS	FWS	WS ^{TS#}	ISOL	D	D
16	JAMMU & KASHMIR	FWS	WS	SCT ^{TS#}	FWS ^{TS#}	ISOL	D	D
17	WEST RAJASTHAN	D	D	ISOL	ISOL ^{TS#}	D	D	D
18	EAST RAJASTHAN	D	D	D	ISOL ^{TS#}	D	D	D
19	WEST MADHYA PRADESH	D	D	D	D	D	D	D
20	EAST MADHYA PRADESH	D	D	D	D	ISOL	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	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	D	D	D	D	ISOL	D	D
28	COASTAL ANDHRA PRADESH	D	D	D	D	D	D	D
29	TELANGANA	D	D	D	D	D	D	D
30	RAYALASEEMA	D	D	D	D	D	D	D
31	TAMILNADU & PUDUCHERRY	ISOL	D	D	D	D	D	ISOL
32	COASTAL KARNATAKA	D	D	D	D	D	D	D
33	NORTH INT.KARNATAKA	D	D	D	D	D	D	D
34	SOUTH INT.KARNATAKA	D	D	D	D	D	D	D
35	KERALA	ISOL	D	D	D	D	D	D
36	LAKSHADWEEP	D	D	D	D	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	01-Mar Today	02Mar Fri	03Mar Sat	04Mar Sun	05Mar Mon
1. Andaman & Nicobar Islands	DRY	DRY	DRY	DRY	DRY
2. Arunachal Pradesh	ISOL	FWS	FWS	ISOL	ISOL
3. Assam & Meghalaya	ISOL	SCT	ISOL	DRY	DRY
4. N. M. M. & T.	DRY	ISOL	ISOL	DRY	DRY
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	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	ISOL	SCT	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	ISOL	DRY	DRY	DRY
14. Punjab	ISOL	ISOL	DRY	DRY	DRY
15. Himachal Pradesh	FWS	WS	SCT	ISOL	ISOL
16. Jammu & Kashmir	WS	WS	SCT	ISOL	ISOL
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	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	DRY	DRY	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	DRY	DRY	DRY
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	DRY	DRY	DRY	DRY	DRY
36. Lakshadweep	DRY	DRY	DRY	DRY	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		

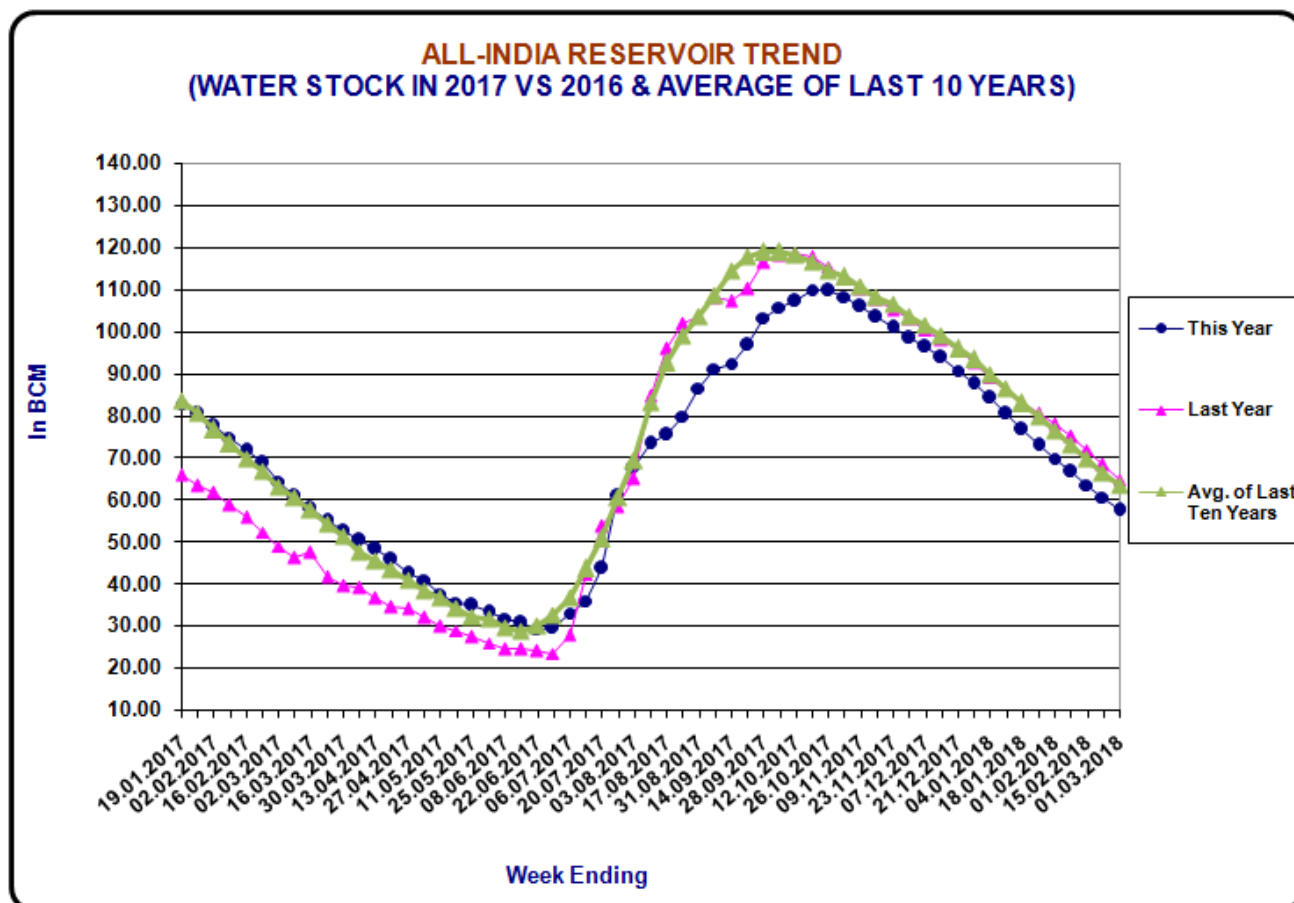
2. Reservoir Status (For the week ending on 01.03.2018)

- **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 57.68 BCM from the previous week's level of 60.67 BCM. Current storage is lower than the last year's position of 64.91 BCM and the average of last 10 year's storage of 63.47 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	36	89	91
Last Week	38	88	91
The percentage to live capacity at FRL was 40% on 01/03/2017, 30% on 22/02/2016, 42% on 26/02/2015 and 50% on 27/02/2014.			
<i>Source: CWC</i>			

There were 58 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 50% to 80%, 11 reservoir having storage between 30% to 50%, 07 reservoirs having storage upto 30% of Normal Storage and 02 reservoir having no live storage.



Source: Central Water Commission

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 26.02.2018)

(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	15430	5083	1670	5046	2948
Requirement for February, 2018	1746	441	215	747	376
Availability upto 26.02.2018	14048	4349	1511	4978	1867
Sales upto 26.02.2018	13135	3813	1214	3699	1560
Closing Stock upto 26.02.2018	913	536	297	1279	307

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

4. Pest & Diseases:

- Incidence of Rugose Spiraling Whitefly on Coconut at Low to Medium level found in Mandya district of Karnataka. (An advisory has been already issued to Karnataka and farmers are advised to encourage aphelinid parasitoid *Encarisa* sp., Chrysopid and Coccinellid).
- Incidence of Rugose Spiraling Whitefly (RSW) on Oil palm and Coconut at Severe level found in East and West Godavari districts of Andhra Pradesh. RSW incidence also found in Banana, Mango, Citrus, Papaya, Cocoa, Guava and ornamental plants etc.
- Incidence of Black Aphid on Wheat at Low to Medium level found in Saharnpur district of Lucknow.
- Incidence of Aphid on Mustard at Trace to Medium level found in Gorakhpur, SK Nagar, Basti, Faizabad, Gonda district of Uttar Pradesh.
- 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 (2017-18) as on 09.02.2018 (Reconciled / Final)

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 01.03.2018

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 01.03.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	25.47	23.70
Telangana	15.00	12.23	11.02
Bihar	12.00	4.79	5.61
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	1.00	1.15	1.46
Madhya Pradesh	13.00	10.96	12.97
Maharashtra	4.00	1.47	2.14
Odisha	30.00	22.38	18.82
Punjab	115.00	118.33	110.52
Tamil Nadu	10.00	2.14	0.88
Uttar Pradesh	37.00	28.61	20.61
Uttrakhand	7.00	0.38	6.48
West Bengal	23.00	0.19	5.46
All-India	375.00	301.20	296.46

8. Progressive procurement of Wheat as on 01.03.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 01.03.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.32	67.52
Madhya Pradesh	85.00	67.25	39.92
Punjab	115.00	117.06	106.49
Rajasthan	17.50	12.45	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	308.25	229.62