

F. No. 3-1/ 2018-19-CFCC-ES
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: 15.01.2019

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 11.01.2019.

Summary observations of the Group on Agenda Items

- *In the winter season, at All-India level, the rainfall during the week i.e. 03rd January, 2019 – 09th January, 2019 has been 30% 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 9% in North West India but lower than LPA by 97% in Central India, 84% in East & North East India and 38% in South Peninsula.*
- *The cumulative rainfall in the country during the winter season i.e. 01st January, 2019 to 09th January, 2019 has been 42% lower than 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, 84% in East & North East India, 45% in South Peninsula and 12% in North West India.*
- *For winter season 01.01.2019 to 09.01.2019 out of 36 met sub-divisions, 2 met sub-division constituting 7% of the total area of the country has received large excess/excess rainfall, 1 met sub-division constituting 2% of the total area of the country has received normal rainfall, 14 met sub-divisions constituting 42% of the total area of the country has received deficient/large deficient rainfall, 19 met sub-divisions constituting 49% 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 10th January, 2019 has been 80.40 BCM as against 81.24 BCM on 10.01.2018 (last year) and 86.73 BCM of normal (average of the last 10 years) storage. Current year's storage is 99% of last year's storage and nearly 93% of average of last 10 year's storage.*
- *As per latest information available on sowing of Rabi crops, around 92.4% of the normal area under Rabi crops has been sown upto 11.01.2019. Area sown under all rabi crops taken together has been reported 581.50 lakh hectares at All India level as compared to 610.51 lakh hectares in the corresponding period of last year and 602.64 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 11.01.2019 for 2018-19 was at 283.69 lakh tonnes against the procurement of 264.48 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2018-19 was 357.95 lakh tonnes which was higher than the procurement of 308.24 lakh tonnes in the corresponding period of RMS 2017-18.*

1. Winter Season (January – February) during the week ending 09th January, 2019

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

- **Rainfall during the week (03rd January, 2019 to 09th January, 2019)** Rainfall was large excess/excess in 2 met sub-divisions, normal in 1 met sub-division, deficient/large deficient in 13 sub-divisions and no rain in 20 met sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st January, 2019 to 09th January, 2019)** Rainfall was large excess/excess in 2 met sub-divisions, normal in 1 met sub-division, deficient/large deficient in 14 sub-divisions and no rain in 19 met sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (09.01.2019)				Cumulative (01.01.19 to 09.01.19)			
	(in mm)		Devi- ation (%)	Cate- gory	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	7.2	6.6	9	N	7.7	8.7	-12	N
Central India	0.0	1.6	-97	LD	0.0	2.2	-98	LD
South Peninsular India	1.2	2.0	-38	D	1.5	2.8	-45	D
East & North-East India	0.7	4.0	-84	LD	0.7	4.6	-84	LD
Country as a whole	2.6	3.7	-30	D	2.8	4.8	-42	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 January, 2019 to 09th Jan., 2019

No. of Sub-Divisions with rainfall	For the period from 1 st January to					
	08 JAN 2014	07 JAN 2015	13 JAN 2016	11 JAN 2017	10 JAN 2018	09 JAN 2019
Large Excess	-	-	-	04	02	01
Excess	01	25	01	03	01	01
Normal	02	02	02	02	00	01
Total	03	27	03	09	03	03
Deficient	07	03	03	04	02	00
Large Deficient	-	-	-	12	06	14
Scanty	11	05	10	-	-	-
No rain	15	01	20	11	25	19
Total	33	09	33	27	33	33
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 45%	197%	(-) 69%	31%	(-) 81%	(-) 42%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 11th Jan., 2019 to 15th Jan., 2019 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-2019								
Sr. No	MET.SUB-DIVISIONS	10 JAN	11 JAN	12 JAN	13 JAN	14 JAN	15 JAN	16 JAN
1	ANDAMAN & NICO.ISLANDS	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	D	D	D	ISOL	D	D
3	ASSAM & MEGHALAYA	ISOL	D	D	D	D	D	D
4	NAGA.MANI.MIZO.& TRIPURA	D	D	D	D	D	D	D
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	D	D	ISOL	ISOL	D	D
6	GANGETIC WEST BENGAL	D	D	D	D	D	D	D
7	ODISHA	D	D	D	D	D	D	D
8	JHARKHAND	D	D	D	D	D	D	ISOL
9	BIHAR	D	D	D	D	D	D	D
10	EAST UTTAR PRADESH	D	D	D	ISOL	D	D	D
11	WEST UTTAR PRADESH	D	D	ISOL	ISOL	D	D	D
12	UTTARAKHAND	ISOL	ISOL	FWS	SCT	D	D	D
13	HARYANA CHD. & DELHI	ISOL	ISOL	SCT*	ISOL*	D	D	D
14	PUNJAB	ISOL	SCT	SCT*	ISOL*	D	D	D
15	HIMACHAL PRADESH	SCT	FWS	WS*	ISOL	D	ISOL	ISOL
16	JAMMU & KASHMIR	FWS	WS	WS*	ISOL	D	SCT	ISOL
17	WEST RAJASTHAN	D	ISOL	ISOL*	D*	D	D	D
18	EAST RAJASTHAN	D	D	ISOL*	ISOL*	D	D	D
19	WEST MADHYA PRADESH	D	D	D	D	D	D	D
20	EAST MADHYA PRADESH	D	D	D	ISOL	D	D	D
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	ISOL	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	ISOL	D	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	D	D	D	ISOL	ISOL	ISOL	D
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	D	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 (+4.5°C to +6.4°C)
‡	SEVERE HEAT WAVE (> +6.4)			§	COLD WAVE (-4.5°C to -6.4°C)		¶	SEVERE COLD WAVE (< -6.4)
⁵	THUNDERSTORM WITH SQUALL/GUSTY WIND		DS/TS	DUST/THUNDERSTORM				

Source: IMD

Table: 1.4

Met-Sub-Division	11-Jan Today	12Jan Sat	13Jan Sun	14Jan Mon	15Jan Tue
1. Andaman & Nicobar Islands	SCT	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	DRY	DRY	DRY	ISOL	ISOL
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	DRY	DRY	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	ISOL	DRY	DRY
11. West Uttar Pradesh	DRY	ISOL	ISOL	DRY	DRY
12. Uttarakhand	ISOL	FWS	SCT	DRY	DRY
13. Haryana, Chd & Delhi	ISOL	SCT	ISOL	DRY	DRY
14. Punjab	SCT	SCT	ISOL	DRY	DRY
15. Himachal Pradesh	FWS	WS	ISOL	DRY	DRY
16. Jammu & Kashmir	WS	WS	ISOL	DRY	DRY
17. West Rajsthan	ISOL	ISOL	DRY	DRY	DRY
18. East Rajasthan	DRY	ISOL	ISOL	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	DRY	ISOL	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	ISOL	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	ISOL	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	ISOL	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	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		

Source: IMD

2. Reservoir Status (For the week ending on 10.01.2019)

- **The Central Water Commission** monitors the live storage capacity 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.
- Live Storage in 91 major reservoirs decreased to 80.40 BCM from the previous week's level of 83.42 BCM. Current year's storage position is lower than the last year's storage position of 81.24 BCM and the average of last 10 year's storage position of 86.73 BCM.

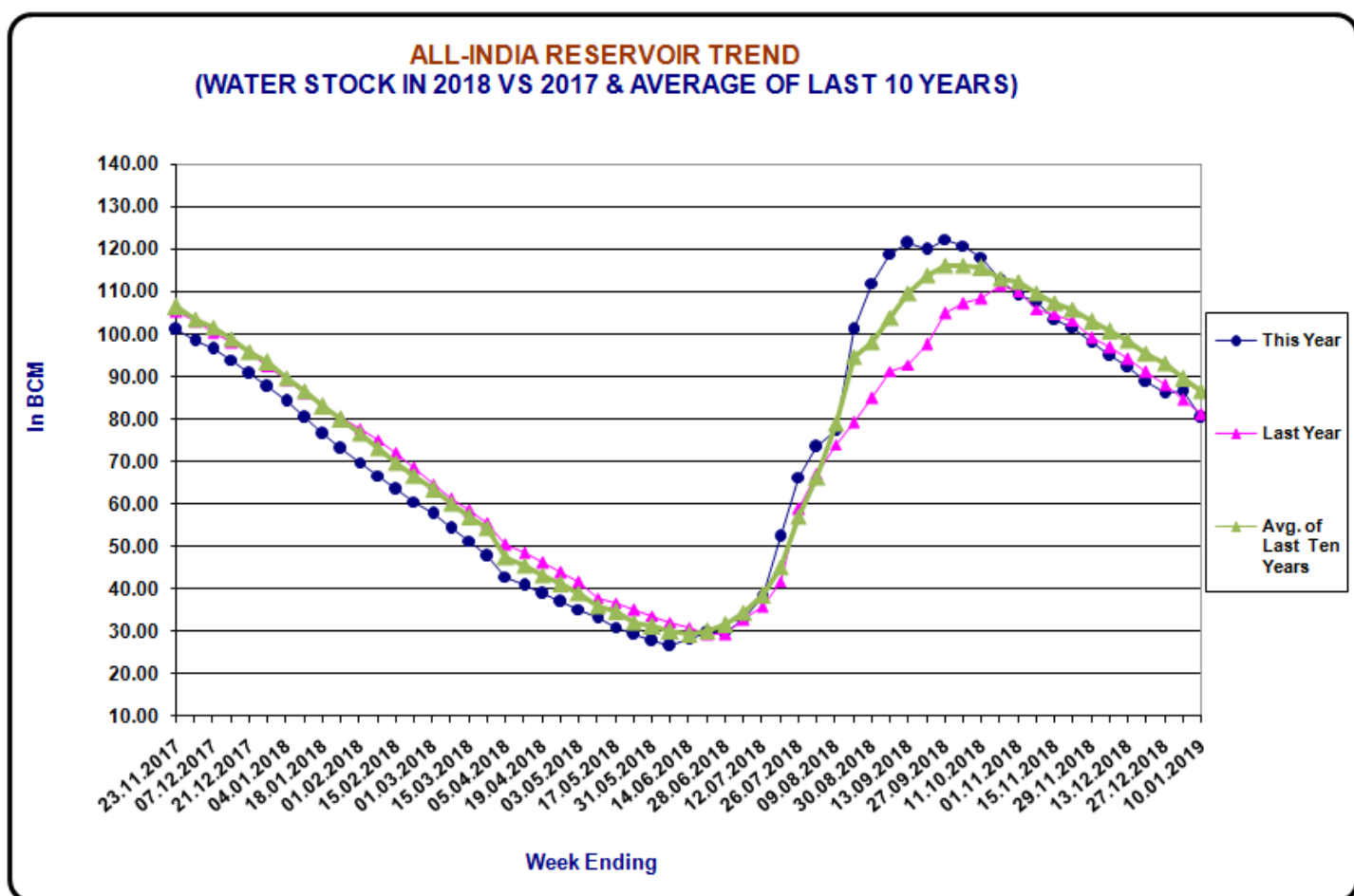
Table – 2.1 : For 91 major reservoirs of the country

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	50	99	93
Last Week	51	99	93

The percentage to live capacity at FRL was 50% on 10/01/2018, 54% on 10/01/2017, 44% on 07/01/2016 and 56% on 08/01/2015.

Source: CWC

There were 60 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 51% to 80%, 12 reservoirs having storage between 31% to 50% and 4 reservoirs having storage upto 30% of Normal Storage.



Source: Central Water Commission

3. Fertilizer Position:

Table – 3.1: Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers UREA, DAP, MOP, Complex and SSP during Rabi 2018-19 (As on 10.01.2019)

in '000 tonnes)

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.10.2018	468	580	46	670	133
Requirement for Rabi 2018-19	15114	4922	1655	4794	2780
Cumulative Requirement during October to January 2019	12028	4165	1299	3517	2083
Cumulative Receipt upto 10.01.2019	8983	3131	899	2923	1071
Cumulative Availability upto 10.01.2019	9451	3711	945	3594	1204
Cumulative Sales upto 10.01.2019	9002	2807	674	2356	1057
Closing Stock as on 10 .01.2019	449	904	271	1238	147

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. All India Crop Situation – Rabi (2018-19) as on 11.01.2019

Table: 6.1

(Area in lakh hectares)							
Crop Name	Normal Area	Average Area as on date	Area sown			Absolute Change over (+/-)	
			This Year	% of Normal	Last Year	Average as on date	Last Year
Wheat	306.29	303.25	294.07	96.0	300.51	-9.2	-6.4
Rice	41.60	18.07	16.57	39.8	20.88	-1.5	-4.3
Jowar	37.40	33.10	23.54	62.9	30.08	-9.6	-6.5
Maize	16.51	14.13	13.61	82.4	15.13	-0.5	-1.5
Barley	6.64	7.38	7.13	107.4	7.40	-0.3	-0.3
Total Coarse Cereals	60.55	55.35	44.98	74.3	53.47	-10.4	-8.5
Total Cereals	408.44	376.67	355.62	87.1	374.86	-21.1	-19.2
Gram	89.45	94.05	94.61	105.8	105.28	0.6	-10.7
Lentil	13.77	15.65	16.77	121.8	17.10	1.1	-0.3
Peas	9.33	10.15	10.29	110.3	9.26	0.1	1.0
Kulthi(Horse Gram)	2.09	4.23	5.27	251.9	4.21	1.0	1.1
Urad	8.14	7.40	6.74	82.9	7.49	-0.7	-0.8
Moong	9.62	4.92	4.86	50.5	4.88	-0.1	0.0
Lathyrus	4.58	3.83	3.58	78.1	3.22	-0.3	0.4
Others	3.86	5.72	5.80	150.22	5.46	0.1	0.3
Total Pulses	140.85	145.96	147.91	105.0	156.90	1.9	-9.0
Total Foodgrains	549.29	522.63	503.53	91.7	531.76	-19.1	-28.2
Rapeseed & Mustard	61.25	66.98	68.28	111.5	66.60	1.3	1.7
Groundnut	7.85	4.91	4.07	51.9	5.05	-0.8	-1.0
Safflower	1.62	1.06	0.40	24.8	0.78	-0.7	-0.4
Sunflower	3.68	2.51	1.04	28.3	1.59	-1.5	-0.6
Sesamum	3.04	0.57	0.54	17.8	0.44	0.0	0.1
Linseed	2.92	3.46	3.36	115.0	3.95	-0.1	-0.6
Total Oilseeds (Nine)	80.35	80.02	77.97	97.0	78.75	-2.1	-0.8
All- Crops	629.64	602.64	581.50	92.4	610.51	-21.1	-29.0

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 11.01.2019

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2018-19 (Oct. – Sept.)	Progressive Procurement as on 11.01.2019	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Andhra Pradesh	30.00	16.03	15.91
Telangana	15.00	25.57	11.95
Bihar	8.00	0.36	1.39
Chhattisgarh	40.00	37.65	30.57
Haryana	39.75	39.09	39.67
Jharkhand	2.50	0.18	0.19
Kerala	2.00	0.59	0.93
Madhya Pradesh	13.00	7.51	9.75
Maharashtra	4.00	2.00	1.11
Odisha	30.00	14.48	11.86
Punjab	114.00	113.30	118.39
Tamil Nadu	8.00	1.56	0.00
Uttar Pradesh	33.00	20.21	22.12
Uttrakhand	5.00	4.34	0.34
West Bengal	23.00	0.42	0.03
All-India	370.00	283.69	264.48