

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: 15.10.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 12.10.2018.

Summary observations of the Group on Agenda Items

- *In the post monsoon season, at All-India level, the rainfall during the week i.e. 04th October, 2018 – 10th October, 2018 has been 62% 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 88% in Central India, 85% in East & North East India, 80% in North West India and 10% in South Peninsula.*
- *The cumulative rainfall in the country during the post monsoon season i.e. 01st October, 2018 to 10th October, 2018 has been 66% lower than LPA. Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 88% in Central India, 85% in North West India, 81% in East & North East India and 26% in South Peninsula.*
- *Out of 36 met sub-divisions, 5 met sub-division constituting 6% of the total area of the country has received large excess/excess rainfall, 31 met subdivisions constituting 94% 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 11th October, 2018 has been 118.30 BCM as against 108.52 BCM on 11.10.2017 (last year) and 115.74 BCM of normal (average of the last 10 years) storage. Current year's storage is 109% of last year's storage and 102% of average of last 10 year's storage.*
- *As per 1st Advance Estimates for 2018-19, the area coverage under all Kharif crops taken together has been 1052.38 lakh hectares at All India level as compared to 1072.79 lakh hectares during 2017-18.*
- *Area coverage under Rice has been 384.19 lakh ha. which is lower by 9.3 lakh ha. than its area coverage of 393.52 lakh ha. during the year 2017-18.*
- *Area coverage under Pulses has been 135.52 lakh ha. which is lower by 5.3 lakh ha. than its area coverage of 140.83 lakh ha. during the year 2017-18.*

- *Area coverage under Kharif Coarse Cereals has been 175.35 lakh ha. which is lower by 10.9 lakh ha. As compared to their area coverage of 186.29 lakh ha. during the year 2017-18.*
- *Area coverage under Cotton has been 122.38 lakh ha. which is lower by 1.9 lakh ha. than its area coverage of 124.29 lakh ha. during the year 2017-18.*
- *Area coverage under Kharif Oilseeds has been 175.92 lakh ha. which is higher by 2.7 lakh ha. than its area coverage of 173.19 lakh ha. during the year 2017-18.*
- *Area coverage under Sugarcane has been 51.59 lakh ha. which is higher by 4.3 lakh ha. than its area coverage of 47.32 lakh ha. during the year 2017-18.*
- *All-India progressive procurement of Rice as on 12.10.2018 for 2018-19 was at 18.09 lakh tonnes against the procurement of 31.92 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. Post Monsoon Season (October–December) during the week ending 10th Oct., 2018

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

- **Rainfall during the week (04th October, 2018 to 10th October, 2018)** Rainfall was large excess/excess in 5 met sub-divisions, normal in 2 met sub-divisions, deficient/large deficient in 29 sub-divisions.
- **Cumulative rainfall (01st October, 2018 to 10th October, 2018)** Rainfall was large excess/excess in 5 sub-division, deficient/large deficient in 31 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (10.10.2018)				Cumulative (01.10.18 to 10.10.18)			
	(in mm)		Devi- ation (%)	Cate- gory	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	2.4	11.8	-80	LD	2.6	17.0	-85	LD
Central India	2.3	20.0	-88	LD	3.7	30.4	-88	LD
South Peninsular India	36.4	40.3	-10	N	44.3	59.7	-26	D
East & North-East India	6.8	44.8	-85	LD	13.2	68.2	-81	LD
Country as a whole	9.8	25.5	-62	LD	12.9	38.1	-66	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 October, 2018 to 10th October, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	09 OCT 2013	08 OCT 2014	07 OCT 2015	12 OCT 2016	11 OCT 2017	10 OCT 2018
Large Excess	-	-	-	-	06	01
Excess	19	02	10	13	07	04
Normal	02	03	01	05	06	00
Total	21	05	11	18	19	05
Deficient	11	07	03	08	06	03
Large Deficient	-	-	-	-	06	28
Scanty	04	23	12	10	-	-
No rain	00	01	10	00	05	00
Total	15	31	25	18	17	31
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	41%	(-) 65%	(-) 44%	1%	5%	(-) 66%

Source: IMD

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

% 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 11.10.2018)

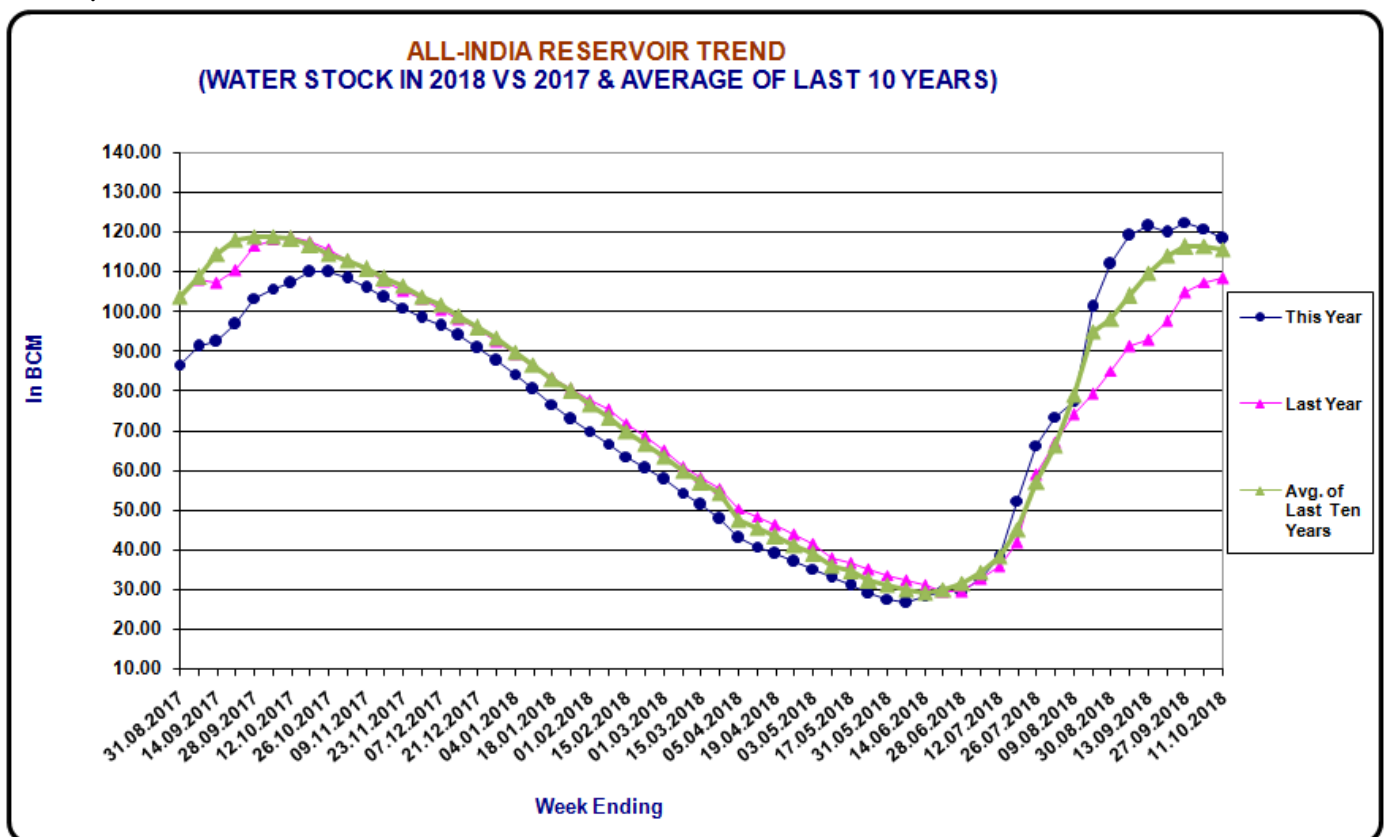
- **The Central Water Commission** monitors the live storage capacity of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **161.99** Billion Cubic Meters (BCM), which is about 63% of total reservoir capacity of 257.81 BCM in the country.
- Live Storage in 91 major reservoirs decreased to 118.30 BCM from the previous week's level of 121.96 BCM. Current year's storage position is higher than the last year's storage position of 108.52 BCM and the average of last 10 year's storage position of 115.74 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	73	109	102
Last Week	75	114	105

The percentage to live capacity at FRL was 67% on 11/10/2017, 73% on 11/10/2016, 60% on 08/10/2015 and 76% on 09/10/2014.

There were 74 reservoirs having storage more than 80% of normal storage, 12 reservoirs having storage between 51% to 80%, 2 reservoirs having storage between 31% to 50% and 3 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 11.10.2018)

(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	15584	5046	1728	5219	2980
Cumulative Requirement during October, 2018	2995	1454	362	994	592
Cumulative Receipt upto 11.10.2018	670	271	81	276	128
Cumulative Availability upto 11.10.2018	1138	851	126	947	262
Cumulative Sales upto 11.10.2018	546	207	64	188	121
Closing Stock as on 11.10.2018	592	643	62	758	140

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

4. Pest & Diseases:

- Incidence of Stem borer on Rice reported above ETL at Chatta and Chaumuha block of Mathura District of Uttar Pradesh State. The crop is in mid-tillering to booting stage. (An advisory has been already issued to the concerned state.)
- 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 Kharif Crop Situation – 1st Advance Estimates for 2018-19

Table: 6.1

(In lakh hectares)					
Crop Name	Normal Area for whole Kharif Season	Area sown reported			Absolute Change over last year
		1st Advance Estimates 2018-19	% of Normal for whole season	4th Advance Estimates 2017-18	
Rice	395.39	384.19	97.2	393.52	-9.3
Jowar	22.34	17.77	79.5	18.99	-1.2
Bajra	74.03	65.76	88.8	73.83	-8.1
Maize	74.22	76.88	103.6	76.23	0.7
Total Coarse Cereals	188.55	175.35	93.0	186.29	-10.9
Total Cereals	583.94	559.54	95.8	579.81	-20.3
Tur	41.90	45.41	108.4	44.31	1.1
Urad	27.00	38.61	143.0	44.95	-6.3
Moong	24.93	32.65	131.0	32.86	-0.2
Others	15.83	18.85	119.1	18.71	0.1
Total Pulses	111.93	135.52	121.1	140.83	-5.3
Total Foodgrains	695.87	695.06	99.9	720.64	-25.6
Groundnut	42.01	38.90	92.6	41.02	-2.1
Soyabean	112.51	109.60	97.4	104.71	4.9
Sunflower	2.24	1.43	64.0	1.35	0.1
Sesamum	17.50	14.73	84.2	15.62	-0.9
Nigerseed	2.70	2.08	77.1	2.25	-0.2
Castorseed	10.51	9.18	87.4	8.26	0.9
Total Oilseeds	187.47	175.92	93.83	173.19	2.7
Cotton	119.75	122.38	102.2	124.29	-1.9
Sugarcane	48.84	51.59	105.6	47.32	4.3
Jute & Mesta	8.11	7.43	91.6	7.35	0.1
All- Crops	1060.04	1052.38	99.3	1072.79	-20.4

7. Progressive procurement of Rice as on 12.10.2018

Table: 7.1

(lakh tones)

State	Target in marketing season 2018-19 (Oct. – Sept.)	Progressive Procurement as on 12.10.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Andhra Pradesh	30.00		
Telangana	15.00		
Bihar	8.00		
Chhattisgarh	40.00		
Haryana	39.75	14.58	16.55
Jharkhand	2.50		
Kerala	2.00		
Madhya Pradesh	13.00		
Maharashtra	4.00		
Odisha	30.00		
Punjab	114.00	3.43	15.31
Tamil Nadu	8.00	0.05	
Uttar Pradesh	33.00		0.02
Uttrakhand	5.00	0.01	
West Bengal	23.00		
All-India	370.00	18.09	31.92