

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: 13.08.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
10.08.2018.**

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (02nd August, 2018 – 08th August, 2018) has been 33% 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 55% in Central India, 37% in South Peninsula, 13% in East & North East India and 12% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June, 2018 to 08th August, 2018 has been 10% 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 25% in East & North East India, 5% in Central India and 4% each in North West India & South Peninsula.*
- *Out of 36 met sub-divisions, 28 met sub-divisions constituting 82% of the total area of the country has received normal rainfall, 8 met subdivisions constituting 18% of the total area of the country has received 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 09th August, 2018 has been 77.55 BCM as against 74.05 BCM on 09.08.2017 (last year) and 79.01 BCM of normal (average of the last 10 years) storage. Current year's storage is 105% of last year's storage and 98% of average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 87.24% of the normal area under Kharif crops has been sown upto 10.08.2018. Area sown under all Kharif crops taken together has been reported to be 924.76 lakh hectares at All India level as compared to 938.66 lakh hectares in the corresponding period of last year and 903.46 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 10.08.2018 for 2017-18 was at 364.28 lakh tonnes against the procurement of 380.53 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2018-19 was 355.22 lakh tonnes which was higher than the procurement of 306.65 lakh tonnes in the corresponding period of RMS 2017-18.*

1. **Monsoon Season (June – September) during the week ending 08th August, 2018**

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

- **Rainfall during the week (02nd August, 2018 to 08th August, 2018)** Rainfall was excess in 3 met sub-divisions, normal in 8 met sub-divisions, deficient/large deficient in 25 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2018 to 08th August, 2018)** Rainfall was normal in 28 met sub-divisions, deficient in 8 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (08.08.2018)				Cumulative (01.06.18 to 08.08.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	47.9	54.5	-12	N	336.7	350.2	-4	N
Central India	35.9	79.2	-55	D	552.0	579.2	-5	N
South Peninsular India	26.6	42.1	-37	D	412.4	427.5	-4	N
East & North-East India	70.3	80.5	-13	N	655.0	878.1	-25	D
Country as a whole	43.2	64.6	-33	D	474.8	526.7	-10	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 June, 2018 to 08th August, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st June to					
	07 AUG 2013	06 AUG 2014	05 AUG 2015	10 AUG 2016	09 AUG 2017	08 AUG 2018
Large Excess	-	-	-	-	01	00
Excess	17	01	07	10	03	00
Normal	13	19	14	21	25	28
Total	30	20	21	31	29	28
Deficient	06	16	15	05	07	08
Large Deficient	-	-	-	-	00	00
Scanty	00	00	00	00	-	-
No rain	00	00	00	00	00	00
Total	06	16	15	05	07	08
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	15%	(-) 18%	(-) 6%	3%	(-) 3%	(-) 10%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 10th Aug., 2018 to 14th Aug., 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	09 AUG	10 AUG	11 AUG	12 AUG	13 AUG	14 AUG	15 AUG
1	ANDAMAN & NICO.ISLANDS	FWS	WS	WS	WS*	FWS*	FWS	FWS
2	ARUNACHAL PRADESH	FWS	FWS*	WS*	WS*	FWS	FWS	SCT
3	ASSAM & MEGHALAYA	FWS*	WS*	WS*	WS	FWS	FWS*	FWS
4	NAGA.MANI.MIZO.& TRIPURA	FWS*	WS*	WS*	FWS	FWS	FWS*	FWS
5	SUB-HIM.W. BENG. & SIKKIM	SCT	FWS	FWS*	WS*	WS*	WS	FWS
6	GANGETIC WEST BENGAL	SCT	SCT	FWS	WS*	WS*	WS	WS
7	ODISHA	SCT	SCT	FWS*	FWS*	FWS*	FWS	FWS*
8	JHARKHAND	SCT	SCT	WS	WS**	WS*	FWS	FWS
9	BIHAR	ISOL	SCT	WS*	WS*	WS	FWS	FWS
10	EAST UTTAR PRADESH	SCT	FWS	WS**	WS**	WS*	FWS*	FWS
11	WEST UTTAR PRADESH	SCT	FWS	WS*	FWS*	FWS*	SCT*	SCT
12	UTTARAKHAND	FWS	WS*	WS**	WS**	WS**	WS**	WS*
13	HARYANA CHD. & DELHI	SCT	SCT	FWS*	SCT	SCT	FWS	FWS
14	PUNJAB	SCT	SCT	FWS	SCT	SCT	SCT	SCT
15	HIMACHAL PRADESH	FWS	FWS	WS*	WS**	WS**	FWS*	FWS*
16	JAMMU & KASHMIR	FWS	SCT	FWS	FWS*	WS*	FWS	SCT
17	WEST RAJASTHAN	FWS*	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	WS*	FWS	ISOL	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	WS*	FWS*	SCT	SCT	SCT	SCT	SCT
20	EAST MADHYA PRADESH	WS*	WS	FWS	FWS*	FWS*	FWS	SCT
21	GUJARAT REGION D.D. & N.H.	FWS*	SCT	ISOL	ISOL	ISOL	ISOL	SCT
22	SAURASTRA KUTCH & DIU	FWS*	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS*	WS	WS	WS	WS	WS*	WS
24	MADHYA MAHARASHTRA	FWS	SCT	SCT	SCT	SCT	SCT	SCT
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
26	VIDARBHA	FWS	SCT	SCT	SCT	SCT	SCT	SCT
27	CHHATTISGARH	FWS	FWS	FWS*	WS**	WS*	WS	FWS*
28	COASTAL ANDHRA PRADESH	SCT*	ISOL	ISOL	SCT	SCT	SCT	SCT
29	TELANGANA	SCT	SCT	ISOL	ISOL	ISOL	SCT	SCT
30	RAYALASEEMA	SCT	ISOL	ISOL	ISOL	SCT	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	SCT**	ISOL*	SCT	SCT	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS**	WS*	WS	WS	WS*	WS*	WS*
33	NORTH INT.KARNATAKA	FWS	SCT	SCT	SCT	FWS	FWS	SCT
34	SOUTH INT.KARNATAKA	FWS**	FWS*	FWS	FWS	FWS	FWS*	FWS*
35	KERALA	WS**	WS*	WS	WS	WS*	WS*	WS*
36	LAKSHADWEEP	FWS	FWS	FWS	FWS	FWS	FWS	SCT
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	10-Aug Today	11Aug Sat	12Aug Sun	13Aug Mon	14Aug Tue
1. Andaman & Nicobar Islands	WS	WS	WS	FWS	FWS
2. Arunachal Pradesh	FWS	WS	WS	FWS	FWS
3. Assam & Meghalaya	WS	WS	WS	FWS	FWS
4. N. M. M. & T.	WS	WS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	FWS	WS	WS	WS
6. Gangetic West Bengal	SCT	FWS	WS	WS	WS
7. Odisha	SCT	FWS	FWS	FWS	FWS
8. Jharkhand	SCT	WS	WS	WS	WS
9. Bihar	SCT	WS	WS	WS	WS
10. East Uttar Pradesh	FWS	WS	WS	WS	WS
11. West Uttar Pradesh	FWS	WS	FWS	FWS	FWS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	SCT	FWS	SCT	SCT	SCT
14. Punjab	SCT	FWS	SCT	SCT	SCT
15. Himachal Pradesh	FWS	WS	WS	WS	WS
16. Jammu & Kashmir	SCT	FWS	FWS	WS	WS
17. West Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	FWS	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	FWS	SCT	SCT	SCT	SCT
20. East Madhya Pradesh	WS	FWS	FWS	FWS	FWS
21. Gujarat Region	SCT	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	FWS	FWS	WS	WS	WS
28. Coastal Andhra Pradesh	ISOL	ISOL	SCT	SCT	SCT
29. Telangana	SCT	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	SCT	SCT
31. Tamilnadu & Puducherry	ISOL	SCT	SCT	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	FWS	FWS
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala	WS	WS	WS	WS	WS
36. Lakshadweep	FWS	FWS	FWS	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		

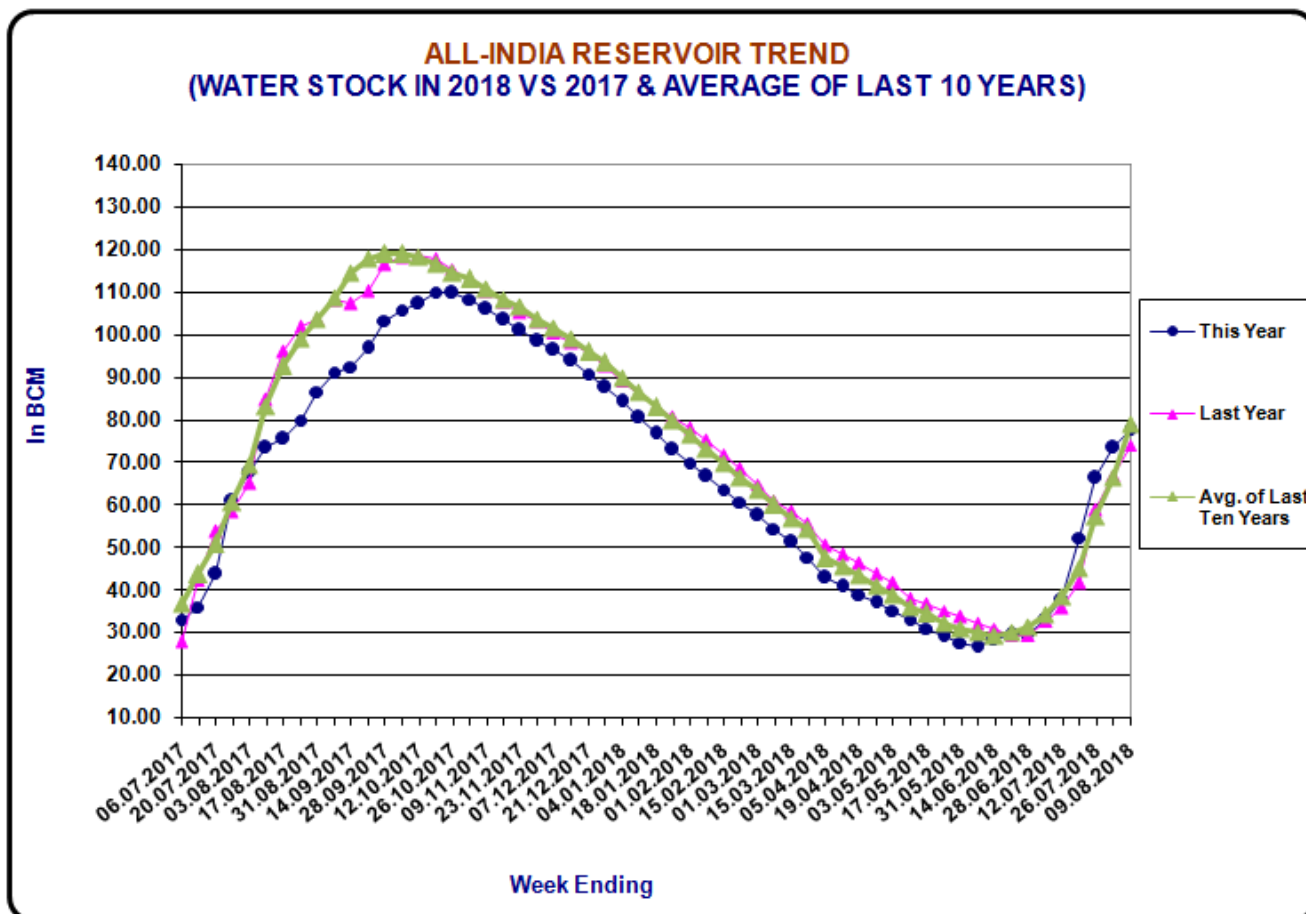
2. Reservoir Status (For the week ending on 09.08.2018)

- **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 increased to 77.55 BCM from the previous week's level of 73.31 BCM. Current storage is higher than the last year's position of 74.05 BCM and lower than the average of last 10 year's storage of 79.01 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	48	105	98
Last Week	46	109	110
The percentage to live capacity at FRL was 46% on 09/08/2017, 51% on 09/08/2016, 50% on 06/08/2015 and 57% on 07/08/2014.			
<i>Source: CWC</i>			

There were 65 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 51% to 80%, 7 reservoir having storage between 31% to 50% and 4 reservoirs having storage upto 30% of Normal Storage. Out of 91 reservoirs, there is 1 reservoir having no live 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 Kharif 2018 (As on 09.08.2018)

(in '000 Tonnes)

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	88	727	160
Requirement for Kharif 2018	14891	4918	2025	4973	2625
Cumulative Requirement from April to August, 2018	12580	4092	1717	3968	2180
Cumulative Receipt upto 09.08.2018	10044	3454	1253	3237	1528
Cumulative Availability upto 09.08.2018	11048	3647	1342	3964	1688
Cumulative Sales upto 09.08.2018	10180	2860	1071	2937	1477
Closing Stock as on 09.08.2018	868	787	271	1027	211

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

4. Pest & Diseases:

- Incidence of Pink boll worm on cotton reported above ETL at Vidharbh and Marathwada region in Maharashtra state. The cotton crop is at Vegetative to flowering stage.(An advisory has already issued)
- Incidence of *Spodoptera frugiperda* on maize reported at some fields in Chikkaballpur in Karnataka state. Team of DPPQ&S and State Agriculture department has been deputed for special survey.(An advisory has already issued)
- Incidence of Paddy root grub on paddy reported at low to moderate intensity at Auras block of Unnao district (Uttar Pradesh) and Pokkah boeng disease on sugarcane low to moderate intensity at Bhawalkhera block of Sahjahanpur district (Uttar Pradesh) in small patches. Instruction has been issued to the In-charge of Central IPM Centre, Lucknow.
- An advisory is being issued to the concern state.
- 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 – Kharif (2018-19) as on 10.08.2018

Table: 6.1

(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2018	% of Normal for whole season	Last Year 2017	Normal as on date	Last Year
Rice	395.39	304.57	307.78	77.8	316.82	3.2	-9.0
Jowar	22.34	17.20	17.23	77.1	15.54	0.0	1.7
Bajra	74.03	63.64	60.11	81.2	67.38	-3.5	-7.3
Maize	74.22	74.16	74.34	100.2	74.44	0.2	-0.1
Total Coarse Cereals	188.55	165.07	160.16	84.9	165.58	-4.9	-5.4
Total Cereals	583.94	469.64	467.94	80.1	482.40	-1.7	-14.5
Tur	41.90	38.06	42.17	100.6	42.24	4.1	-0.1
Urad	27.00	27.83	34.93	129.4	39.69	7.1	-4.8
Moong	24.93	24.96	32.13	128.9	30.28	7.2	1.9
Kulthi	2.27	0.34	0.66	29.1	0.39	0.3	0.3
Others	15.83	14.19	14.26	90.1	15.28	0.1	-1.0
Total Pulses	111.93	105.39	124.15	110.9	127.89	18.8	-3.7
Total Foodgrains	695.87	575.03	592.09	85.1	610.29	17.1	-18.2
Groundnut	42.01	36.81	35.32	84.1	36.58	-1.5	-1.3
Soyabean	112.51	108.86	110.72	98.4	101.56	1.9	9.2
Sunflower	2.24	1.31	0.78	34.8	1.17	-0.5	-0.4
Sesamum	17.50	12.87	12.72	72.7	11.36	-0.1	1.4
Nigerseed	2.70	0.63	0.53	19.6	0.67	-0.1	-0.1
Castorseed	10.51	3.45	2.41	22.9	3.02	-1.0	-0.6
Total Oilseeds	187.47	163.94	162.47	86.65	154.34	-1.5	8.1
Cotton	119.75	110.53	112.60	94.0	117.11	2.1	-4.5
Sugarcane	48.84	46.36	50.60	103.6	49.86	4.2	0.7
Jute & Mesta	8.11	7.61	6.99	86.2	7.06	-0.6	-0.1
All- Crops	1060.04	903.46	924.76	87.24	938.66	21.3	-13.9

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 10.08.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 10.08.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	39.69	37.15
Telangana	34.00	36.19	35.93
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.55	40.22
Haryana	30.00	39.92	35.83
Jharkhand	2.50	1.43	1.39
Kerala	2.32	3.29	3.03
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.79	3.06
Odisha	37.00	32.87	36.30
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	9.00	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.62	18.95
All-India	430.00	364.28	380.53