

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: 07.08.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
03.08.2018.**

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (26th July, 2018 – 01st August, 2018) has been 29% 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 16% in North West India and 13% in East & North East India but lower than LPA by 67% in Central India and 66% in South Peninsula.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June, 2018 to 01st August, 2018 has been 7% 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 3% in Central India, equal to LPA in South Peninsula and lower than LPA by 27% in East & North East India and 2% in North West India.*
- *Out of 36 met sub-divisions, 1 met subdivisions constituting 1% of the total area of the country has received large excess/excess rainfall, 28 met sub-divisions constituting 84% of the total area of the country has received normal rainfall, 7 met subdivisions constituting 15% 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 02nd August, 2018 has been 73.47 BCM as against 67.04 BCM on 02.08.2017 (last year) and 66.42 BCM of normal (average of the last 10 years) storage. Current year's storage is 110% of last year's storage and 111% of average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 80.62% of the normal area under Kharif crops has been sown upto 03.08.2018. Area sown under all Kharif crops taken together has been reported to be 854.56 lakh hectares at All India level as compared to 870.47 lakh hectares in the corresponding period of last year and 842.60 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 03.08.2018 for 2017-18 was at 363.52 lakh tonnes against the procurement of 380.09 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 01st August, 2018

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

- **Rainfall during the week (26th July, 2018 to 01st August, 2018)** Rainfall was large excess/excess in 6 met sub-divisions, normal in 6 met sub-divisions, deficient/large deficient in 24 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2018 to 01st August, 2018)** Rainfall was large excess/excess in 1, normal in 28 met sub-divisions, deficient/large deficient in 7 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (01.08.2018)				Cumulative (01.06.18 to 01.08.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	62.4	54.0	16	N	288.8	295.7	-2	N
Central India	25.4	76.7	-67	LD	516.1	500.0	3	N
South Peninsular India	16.4	47.7	-66	LD	385.9	385.4	0	N
East & North-East India	102.1	90.1	13	N	585.0	797.6	-27	D
Country as a whole	47.2	66.2	-29	D	431.6	462.1	-7	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 01st August, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st June to					
	31 JUL 2013	30 JUL 2014	29 JUL 2015	03 AUG 2016	02 AUG 2017	01 AUG 2018
Large Excess	-	-	-	-	02	00
Excess	17	00	06	11	03	01
Normal	13	15	20	18	23	28
Total	30	15	26	29	28	29
Deficient	06	21	10	07	08	07
Large Deficient	-	-	-	-	00	00
Scanty	00	00	00	00	-	-
No rain	00	00	00	00	00	00
Total	06	21	10	07	08	07
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	17%	(-) 23%	(-) 3%	1%	0%	(-) 7%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 03rd Aug., 2018 to 07th 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	02 AUG	03 AUG	04 AUG	05 AUG	06 AUG	07 AUG	08 AUG
1	ANDAMAN & NICO.ISLANDS	FWS	FWS	FWS	FWS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	WS*	WS*	FWS	FWS	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	WS**	WS**	FWS*	FWS*	FWS	FWS*	WS*
4	NAGA.MANI.MIZO.& TRIPURA	WS**	WS*	WS**	WS	FWS	FWS*	FWS*
5	SUB-HIM.W. BENG. & SIKKIM	WS*	WS*	WS	WS	FWS	FWS	FWS*
6	GANGETIC WEST BENGAL	FWS*	FWS	FWS	WS*	WS*	FWS	FWS*
7	ODISHA	SCT	SCT	SCT	FWS	WS*	FWS	SCT
8	JHARKHAND	WS*	FWS	FWS	FWS*	WS*	FWS	FWS
9	BIHAR	WS**	WS*	FWS	FWS	WS	WS*	WS
10	EAST UTTAR PRADESH	WS**	WS*	FWS*	FWS*	FWS*	FWS*	FWS
11	WEST UTTAR PRADESH	FWS*	SCT	SCT	SCT	FWS*	FWS*	FWS
12	UTTARAKHAND	WS*	WS*	WS*	WS**	WS**	WS**	FWS*
13	HARYANA CHD. & DELHI	SCT	ISOL	ISOL	SCT	FWS*	FWS	SCT
14	PUNJAB	ISOL	ISOL	ISOL	ISOL	SCT	FWS	SCT
15	HIMACHAL PRADESH	SCT	SCT	FWS	FWS*	WS*	WS**	FWS*
16	JAMMU & KASHMIR	ISOL	ISOL	SCT	FWS	WS	FWS*	SCT
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
20	EAST MADHYA PRADESH	FWS*	SCT*	SCT	SCT	FWS	FWS	SCT
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS*	WS*	WS*	WS*	WS	WS	WS
24	MADHYA MAHARASHTRA	SCT	SCT	ISOL	ISOL	SCT	SCT	SCT
25	MARATHAWADA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	SCT	ISOL	ISOL	SCT	SCT	SCT	SCT
27	CHHATTISGARH	FWS*	SCT	SCT	SCT	FWS*	FWS	SCT
28	COASTAL ANDHRA PRADESH	SCT*	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS*	WS*	WS*	WS	WS*	WS*	WS*
33	NORTH INT.KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INT.KARNATAKA	FWS*	SCT	SCT	SCT	FWS*	SCT	SCT
35	KERALA	WS	WS	FWS	FWS	FWS*	FWS	FWS
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT	SCT	FWS
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	03-Aug Today	04Aug Sat	05Aug Sun	06Aug Mon	07Aug Tue
1. Andaman & Nicobar Islands	FWS	FWS	FWS	FWS	FWS
2. Arunachal Pradesh	WS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	FWS	FWS	FWS	FWS
4. N. M. M. & T.	WS	WS	WS	FWS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	FWS	FWS
6. Gangetic West Bengal	FWS	FWS	WS	WS	WS
7. Odisha	SCT	SCT	FWS	WS	WS
8. Jharkhand	FWS	FWS	FWS	WS	WS
9. Bihar	WS	FWS	FWS	WS	WS
10. East Uttar Pradesh	WS	FWS	FWS	FWS	FWS
11. West Uttar Pradesh	SCT	SCT	SCT	FWS	FWS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	ISOL	ISOL	SCT	FWS	FWS
14. Punjab	ISOL	ISOL	ISOL	SCT	SCT
15. Himachal Pradesh	SCT	FWS	FWS	WS	WS
16. Jammu & Kashmir	ISOL	SCT	FWS	WS	WS
17. West Rajsthan	DRY	DRY	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	SCT	SCT
19. West Madhya Pradesh	ISOL	ISOL	SCT	SCT	SCT
20. East Madhya Pradesh	SCT	SCT	SCT	FWS	FWS
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	ISOL	ISOL	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	SCT	SCT	SCT
27. Chhattisgarh	SCT	SCT	SCT	FWS	FWS
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	SCT	FWS	FWS
35. Kerala	WS	FWS	FWS	FWS	FWS
36. Lakshadweep	SCT	SCT	SCT	SCT	SCT

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

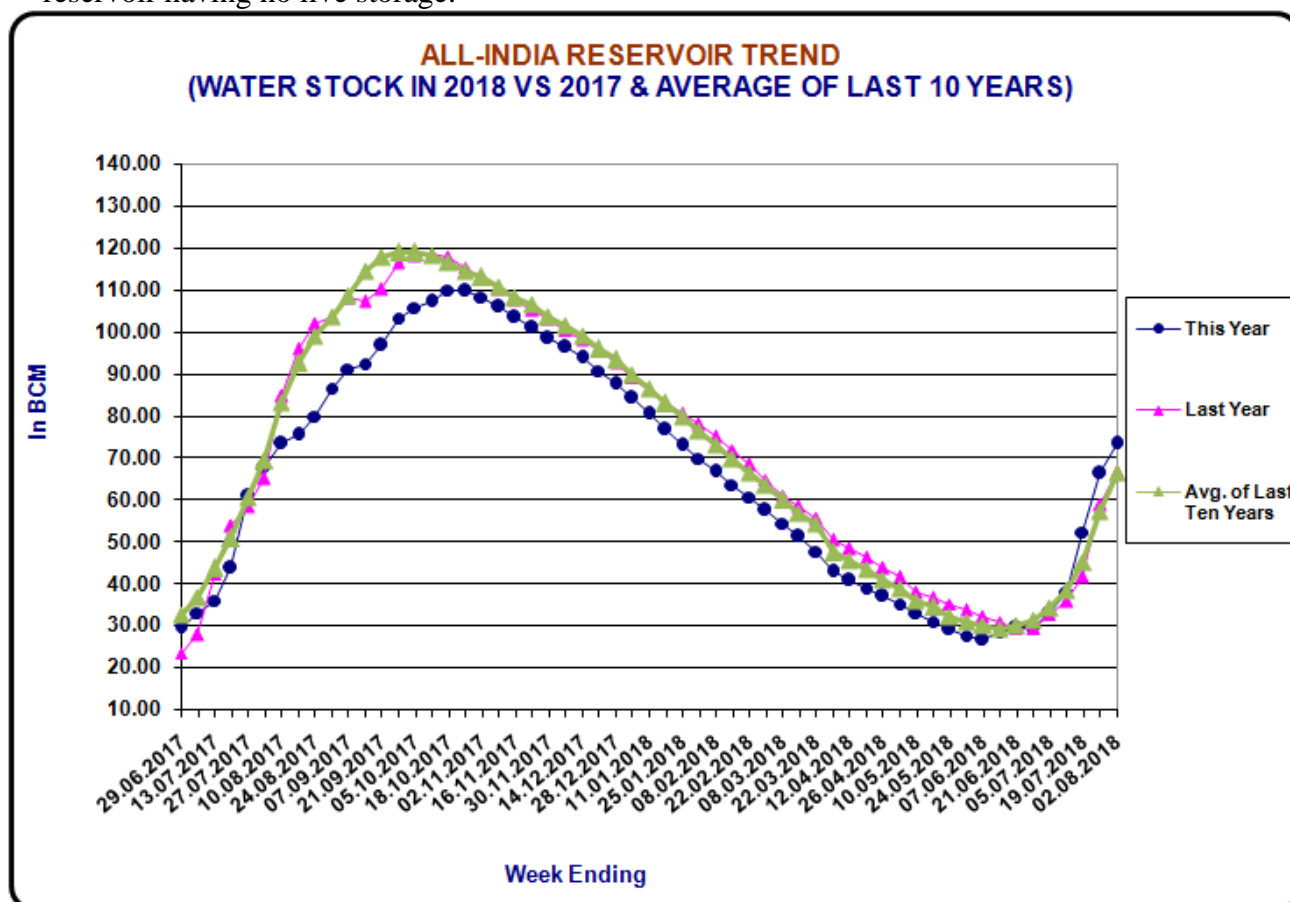
2. Reservoir Status (For the week ending on 02.08.2018)

- **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 73.47 BCM from the previous week's level of 66.08 BCM. Current storage is higher than the last year's position of 67.04 BCM and the average of last 10 year's storage of 66.42 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	45	110	111
Last Week	42	112	115
The percentage to live capacity at FRL was 41% on 02/08/2017, 39% on 02/08/2016, 45% on 30/07/2015 and 46% on 31/07/2014.			
<i>Source: CWC</i>			

There were 67 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 51% to 80%, 5 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 31.07.2018)

(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 July, 2018	9725	3203	1322	3010	1692
Cumulative Receipt upto 31.07.2018	9357	3201	1181	3038	1450
Cumulative Availability upto 31.07.2018	10361	3394	1269	3765	1610
Cumulative Sales upto 31.07.2018	9496	2722	1021	2749	1403
Closing Stock as on 31.07.2018	865	671	248	1016	207

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

4. Pest & Diseases:

- Incidence of Pink bollworm in cotton reported Low to Moderate intensity at Katol & Telhara Taluk of Nagpur & Akola districts of Maharashtra State. Pink bollworm incidence observed in about 30 ha. area. The cotton crop stage is seedling to vegetative. 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 03.08.2018

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	269.34	262.73	66.4	274.16	-6.6	-11.4
Jowar	22.34	16.26	16.53	74.0	14.79	0.3	1.7
Bajra	74.03	60.06	55.17	74.5	63.29	-4.9	-8.1
Maize	74.22	71.36	72.48	97.7	71.36	1.1	1.1
Total Coarse Cereals	188.55	155.77	151.35	80.3	155.87	-4.4	-4.5
Total Cereals	583.94	425.11	414.08	70.9	430.03	-11.0	-16.0
Tur	41.90	35.50	39.89	95.2	39.38	4.4	0.5
Urad	27.00	25.62	32.51	120.4	36.65	6.9	-4.1
Moong	24.93	23.50	29.79	119.5	29.05	6.3	0.7
Kulthi	2.27	0.28	0.63	27.8	0.37	0.4	0.3
Others	15.83	12.76	12.74	80.5	14.82	0.0	-2.1
Total Pulses	111.93	97.66	115.57	103.3	120.27	17.9	-4.7
Total Foodgrains	695.87	522.77	529.65	76.1	550.30	6.9	-20.7
Groundnut	42.01	35.24	33.64	80.1	34.98	-1.6	-1.3
Soyabean	112.51	107.19	109.50	97.3	98.99	2.3	10.5
Sunflower	2.24	1.24	0.76	33.9	1.15	-0.5	-0.4
Sesamum	17.50	11.59	11.63	66.5	10.52	0.0	1.1
Nigerseed	2.70	0.52	0.50	18.5	0.56	0.0	-0.1
Castorseed	10.51	2.32	1.50	14.3	2.72	-0.8	-1.2
Total Oilseeds	187.47	158.09	157.54	84.03	148.93	-0.6	8.6
Cotton	119.75	107.77	109.79	91.7	114.34	2.0	-4.6
Sugarcane	48.84	46.36	50.59	103.6	49.86	4.2	0.7
Jute & Mesta	8.11	7.60	6.99	86.2	7.05	-0.6	-0.1
All- Crops	1060.04	842.60	854.56	80.62	870.47	12.0	-15.9

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 03.08.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 03.08.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	39.62	37.15
Telangana	34.00	36.21	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	32.80	35.87
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	8.40	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.61	18.95
All-India	430.00	363.52	380.09