

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: 28.08.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 25.08.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (17th August, 2017 – 23rd August, 2017) has been 21% 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 27% in South Peninsula but lower than LPA by 56% in North West India, 38% in East & North East India and 6% in Central India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 23rd August, 2017 has been 06% 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 01% in East & North East India but lower than LPA by 13% in South Peninsula, 09% in Central India and 3% in North West India.*
- *Out of 36 met sub-divisions, 05 met subdivisions constituting 18% of the total area of the country has received excess rainfall, 21 met sub-divisions constituting 54% of the total area of the country has received normal rainfall and 10 met sub-divisions constituting 28% of the total area of the country has received deficient rains.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 157.80 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 116.25 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 24th August, 2017 has been 79.93 BCM as against 101.95 BCM on 24.08.2016 (last year) and 99.13 BCM of normal (average of the last 10 years) storage. Current year's storage is 78% of last year's storage and 81% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 96% of the normal area under Kharif crops has been sown upto 25.08.2017. Area sown under all Kharif crops taken together has been reported to be 1013.83 lakh hectares at All India level as compared to 1019.60 lakh hectares in the corresponding period of last year.*

- *As compared to normal area as on date, total area coverage this year is higher by 7.2 lakh ha. under Rice, 5.2 lakh ha. under Bajra, 2.8 lakh ha. under Maize, 3.2 lakh ha. under Tur, 15.2 lakh ha. under Urad, 6.4 lakh ha. under Moong, 7.2 lakh ha. under Cotton and lower by 2.4 lakh ha. under Jowar, 8.4 lakh ha. under Soyabean, 1.1 lakh ha. under Sesamum and 2.4 lakh ha. under Castorseed.*
- *All-India progressive procurement of Rice as on 25.08.2017 for 2016-17 was 387.33 lakh tonnes against the procurement of 341.32 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 308.01 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Low to moderate intensity of whitefly on cotton crop has been reported in Mansa, Fazilka, Sri Muktsar Sahib and Bhatinda districts of Punjab. Directorate has deputed a special team of officers for surveying whitefly in Punjab.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

1. Monsoon Season (June – September) during the week ending on 23rd August, 2017

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

- **Rainfall during the week (17th August, 2017 to 23rd August, 2017)** Rainfall was large excess/excess in 10 subdivision, normal in 09 and deficient/large deficient in 17 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2017 to 23rd August, 2017)** Rainfall was excess in 05, normal in 21 and deficient in 10 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (23.08.2017)				Cumulative (01.06.17 to 23.08.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	20.5	47.0	-56	D	443.1	457.8	-3	N
Central India	61.7	65.3	-6	N	663.6	726.4	-9	N
South Peninsular India	52.8	41.4	27	E	453.8	518.7	-13	N
East & North-East India	49.3	79.8	-38	D	1069.4	1055.6	1	N
Country as a whole	45.3	57.4	-21	D	619.3	655.6	-6	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 to 23rd Aug., 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 23rd August, 2017</i>					
	22 AUG 2012	21 AUG 2013	20 AUG 2014	26 AUG 2015	24 AUG 2016	23 AUG 2017
Large Excess	-	-	-	-	-	00
Excess	00	18	00	03	04	05
Normal	20	13	19	18	22	21
Total	20	31	19	21	26	26
Deficient	14	05	14	15	10	10
Large Deficient	-	-	-	-	-	00
Scanty	02	00	03	00	00	-
No rain	00	00	00	00	00	00
Total	16	05	17	15	10	10
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 14%	14%	(-) 18%	(-) 12%	(-) 2%	(-) 6%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 28th Aug., 2017 to 01st Sept., 2017 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 and Gujarat

South Peninsula - Andhra Pradesh, Karnataka, Tamil Nadu & Puducherry, Kerala and Lakshadweep.

East & North East India - Bihar, Jharkhand, Odisha, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Tripura, and Andaman and Nicobar Islands.

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2017								
Sr.No	MET.SUB-DIVISIONS	17 AUG	18 AUG	19 AUG	20 AUG	21 AUG	22 AUG	23 AUG
1	ANDAMAN & NICO.ISLANDS	WS	FWS*	FWS*	WS	WS*	WS	WS
2	ARUNACHAL PRADESH	SCT	FWS	WS*	SCT	SCT	ISOL	ISOL
3	ASSAM & MEGHALAYA	FWS	FWS	FWS	SCT	SCT	SCT	SCT
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS*	FWS	FWS	FWS*	WS*	SCT
5	SUB-HIM.W. BENG. & SIKKIM	FWS	SCT	FWS	FWS	SCT	FWS	SCT
6	GANGETIC WEST BENGAL	WS*	FWS	WS	WS	FWS	ISOL	ISOL
7	ODISHA	FWS	WS*	WS	WS	FWS	SCT	ISOL
8	JHARKHAND	WS	FWS	SCT	FWS	SCT	ISOL	ISOL
9	BIHAR	FWS*	FWS	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	SCT
11	WEST UTTAR PRADESH	DRY	ISOL	SCT	SCT	ISOL	ISOL	SCT
12	UTTARAKHAND	ISOL	SCT	FWS	WS	FWS	FWS	SCT
13	HARYANA CHD. & DELHI	DRY	DRY	ISOL	FWS**	ISOL	ISOL	SCT
14	PUNJAB	DRY	DRY	ISOL	SCT	SCT	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	WS*	WS*	WS	FWS	SCT
16	JAMMU & KASHMIR	ISOL	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	ISOL	SCT
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	FWS	SCT	SCT	SCT
19	WEST MADHYA PRADESH	DRY	ISOL	SCT	WS	SCT	SCT	SCT
20	EAST MADHYA PRADESH	ISOL	FWS	FWS	SCT	SCT	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	FWS	WS*	FWS*	FWS
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	WS**	WS**	FWS*
23	KONKAN & GOA	WS	WS	WS	WS*	WS*	WS	WS
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	WS**	WS**	FWS	SCT
25	MARATHAWADA	ISOL	ISOL	FWS	WS**	WS**	FWS	ISOL
26	VIDARBHA	ISOL	SCT	WS*	WS*	FWS	SCT	SCT
27	CHHATTISGARH	SCT	WS*	WS*	WS	FWS	SCT	ISOL
28	COASTAL ANDHRA PRADESH	SCT	WS*	WS*	WS*	SCT	SCT	SCT
29	TELANGANA	ISOL	SCT	WS*	WS**	SCT	SCT	SCT
30	RAYALASEEMA	SCT	FWS*	SCT	FWS*	SCT	FWS	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	FWS*	SCT	SCT	ISOL	ISOL
32	COASTAL KARNATAKA	WS	WS	WS	WS*	WS*	WS	WS
33	NORTH INT.KARNATAKA	SCT	SCT	FWS	WS*	SCT	FWS	SCT
34	SOUTH INT.KARNATAKA	FWS	WS	FWS	WS*	WS*	FWS	FWS
35	KERALA	WS	WS	WS*	WS*	WS*	WS*	WS
36	LAKSHADWEEP	FWS	WS	WS	FWS	WS	WS	WS
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%)			DRY	NO STATION REPORTED RAINFALL	
* ACTIVE (R/F 1 ¹ / ₂ - 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)								
** VIGOROUS (R/F More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)								

Table: 1.4

Met-Sub-Division	28-Aug Today	29Aug Tue	30Aug Wed	31Aug Thu	01Sep Fri
1. Andaman & Nicobar Islands	FWS	FWS	WS	FWS	FWS
2. Arunachal Pradesh	SCT	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	WS	WS	WS	WS
4. N. M. M. & T.	FWS	FWS	FWS	WS	WS
5. S.H. West Bengal & Sikkim	FWS	FWS	WS	WS	WS
6. Gangetic West Bengal	WS	FWS	FWS	WS	WS
7. Odisha	WS	FWS	FWS	FWS	FWS
8. Jharkhand	FWS	SCT	SCT	FWS	FWS
9. Bihar	SCT	SCT	SCT	SCT	SCT
10. East Uttar Pradesh	FWS	SCT	SCT	FWS	FWS
11. West Uttar Pradesh	FWS	SCT	SCT	FWS	FWS
12. Uttarakhand	FWS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	ISOL	ISOL
14. Punjab	ISOL	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	SCT	SCT	SCT	SCT	SCT
16. Jammu & Kashmir	ISOL	ISOL	SCT	SCT	SCT
17. West Rajsthan	ISOL	SCT	SCT	SCT	SCT
18. East Rajasthan	WS	WS	FWS	FWS	FWS
19. West Madhya Pradesh	WS	WS	FWS	SCT	SCT
20. East Madhya Pradesh	WS	WS	SCT	SCT	SCT
21. Gujarat Region	WS	WS	WS	WS	WS
22. Saurashtra & Kutch	FWS	WS	WS	WS	WS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	WS	FWS	SCT	SCT
25. Marathawada	WS	FWS	SCT	SCT	SCT
26. Vidharbha	WS	WS	FWS	SCT	SCT
27. Chhattisgarh	WS	FWS	FWS	FWS	FWS
28. Coastal Andhra Pradesh	FWS	FWS	SCT	SCT	SCT
29. Telangana	WS	FWS	SCT	SCT	SCT
30. Rayalaseema	SCT	SCT	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	SCT	SCT	SCT	SCT
34. South Interior Karnataka	FWS	SCT	SCT	FWS	FWS
35. Kerala	WS	WS	FWS	FWS	FWS
36. Lakshadweep	FWS	FWS	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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

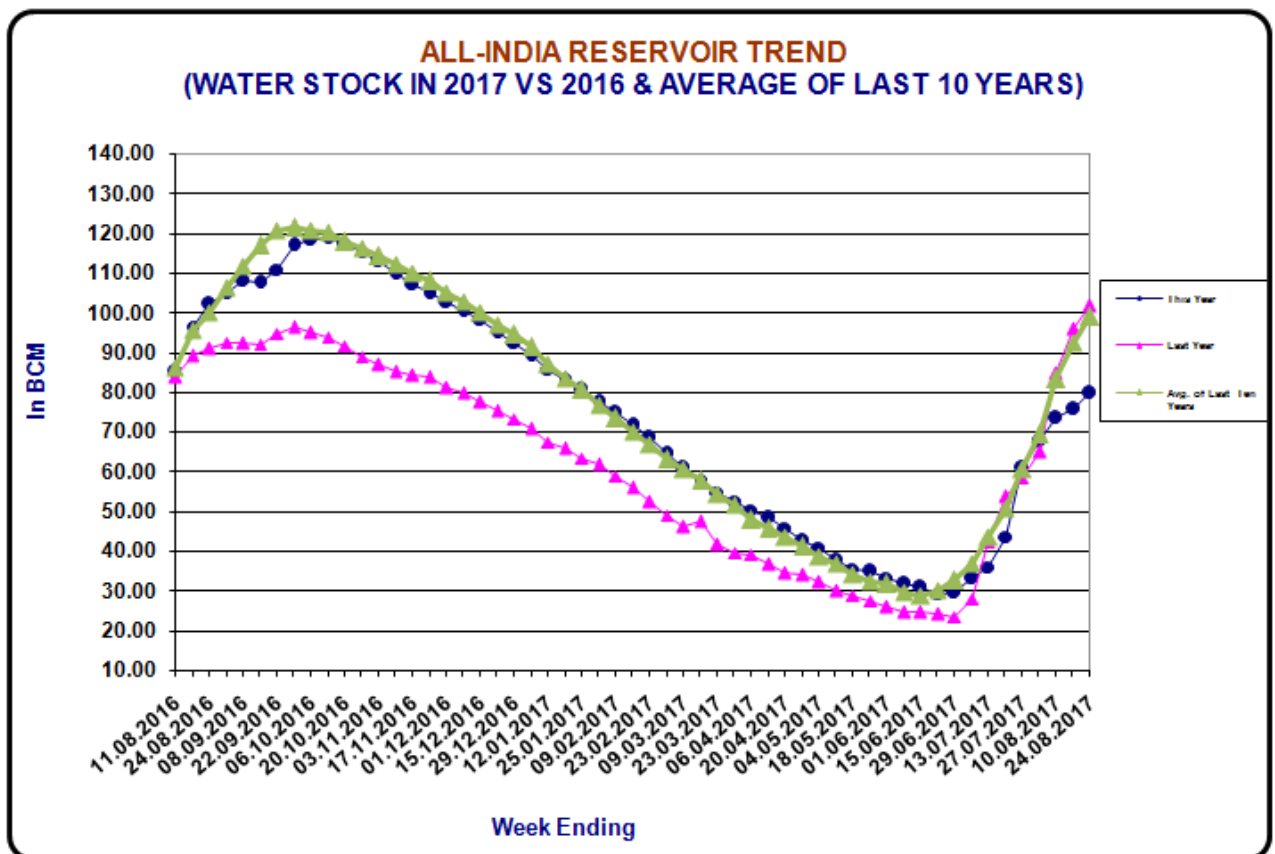
2. Reservoir Status (For the week ending on 24.08.2017)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 62% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs increased to 79.93 BCM from the previous week's level of 75.69 BCM. Current storage is lower than the last year's position of 101.95 BCM and the average of last 10 year's storage of 99.13 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	51	78	81
Last Week	48	79	82
The percentage to live capacity at FRL was 65% on 24/08/2016, 58% on 24/08/2015, 66% on 24/08/2014 and 74% on 24/08/2013.			
<i>Source: CWC</i>			

There were 51 reservoirs having storage more than 80% of normal storage, 20 reservoirs having storage between 50% to 80%, 09 reservoir having storage between 30% to 50%, 11 reservoirs having storage upto 30% of Normal Storage and 01 reservoirs 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 Kharif 2017 (As on 24.08.2017)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	683	204
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto August, 2017	2906	845	317	924	467
Availability upto 24.08.2017	12330	3973	1497	3834	1587
Sales upto 24.08.2017	10633	2793	1174	2583	1286
Closing Stock upto 24.08.2017	1697	1181	323	1251	302

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

4. Pest & Diseases:

- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. All India Crop Situations

Table: 5.1

All India Crop Situation - Kharif (2017-18) as on 25.08.2017

(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2017	% of Normal for whole season	Last Year 2016	Normal as on date	Last Year
Rice	395.94	351.04	358.28	90.5	361.24	7.2	-3.0
Jowar	23.46	19.59	17.17	73.2	18.98	-2.4	-1.8
Bajra	76.66	66.06	71.24	92.9	67.69	5.2	3.6
Maize	73.30	75.23	77.99	106.4	82.91	2.8	-4.9
Total Coarse Cereals	192.06	174.49	178.85	93.1	182.61	4.4	-3.8
Total Cereals	588.01	525.53	537.13	91.3	543.85	11.6	-6.7
Tur	39.24	38.58	41.75	106.4	51.33	3.2	-9.6
Urad	24.79	26.04	41.24	166.4	33.62	15.2	7.6
Moong	23.41	24.66	31.03	132.6	33.53	6.4	-2.5
Kulthi	2.40	0.38	0.28	11.7	0.49	-0.1	-0.2
Others	15.74	19.34	21.65	137.6	22.39	2.3	-0.7
Total Pulses	105.58	109.01	135.96	128.8	141.35	26.9	-5.4
Total Foodgrains	693.59	634.54	673.09	97.0	685.20	38.5	-12.1
Groundnut	41.49	38.60	38.80	93.5	43.76	0.2	-5.0
Soyabean	110.36	113.23	104.88	95.0	113.11	-8.4	-8.2
Sunflower	2.29	1.59	1.26	54.9	1.55	-0.3	-0.3
Sesamum	17.97	14.47	13.33	74.2	13.76	-1.1	-0.4
Nigerseed	2.92	1.14	1.27	43.4	0.95	0.1	0.3
Castorseed	11.84	7.12	4.70	39.7	5.54	-2.4	-0.8
Total Oilseeds	186.86	176.14	164.24	87.88	178.66	-11.9	-14.4
Cotton	122.45	112.44	119.67	97.7	102.54	7.2	17.1
Sugarcane	50.05	49.49	49.78	99.5	45.64	0.3	4.1
Jute & Mesta	8.39	7.92	7.05	84.0	7.56	-0.9	-0.5
All- Crops	1061.34	980.53	1013.83	95.5	1019.60	33.3	-5.8

Source: Crops & TMOP Divisions, DAC&FW

Note: Area figures are as per eye assessment of State Agriculture Departments.

Normal Area: 5 years average of the area during the period of 2011-12 to 2015-16.

Normal Area as on date: 5 years average of the area during the corresponding period of 2012-13 to 2016-17.

6. Progressive procurement of Rice as on 25.08.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 25.08.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.15	43.26
Telangana	30.00	35.93	15.80
Bihar	20.00	12.34	12.23
Chhattisgarh	35.00	46.62	34.42
Haryana	29.00	35.83	28.61
Kerala	2.22	3.08	3.76
Madhya Pradesh	9.00	13.14	8.41
Maharashtra	3.25	3.09	2.30
Odisha	31.00	36.30	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.44	11.56
Uttar Pradesh	33.50	23.54	29.10
Uttrakhand	6.00	7.06	5.97
West Bengal	25.00	19.23	15.45
All-India	380.00	387.33	341.32

7. Progressive procurement of Wheat as on 25.08.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 25.08.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.11	67.52
Madhya Pradesh	85.00	67.24	39.92
Punjab	115.00	117.05	106.49
Rajasthan	17.50	12.45	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	308.01	229.62