

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: 07.11.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 03.11.2017.

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (26th October, 2017 – 01st November, 2017) has been 46% 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 99% in North West India, 93% in Central India, 39% in South Peninsula and 3% in East & North East India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 01st November, 2017 has been equal to Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher than LPA by 36% in East & North East India, 8% in Central India and 2% in South Peninsula but lower than LPA by 98% in North West India.*
- *Out of 36 met sub-divisions, 12 met subdivisions constituting 31% of the total area of the country has received large excess/ excess rainfall, 08 met subdivisions constituting 16% of the total area of the country has received normal rainfall, 12 met sub-divisions constituting 40% of the total area of the country has received deficient/large deficient rainfall and 04 met sub-divisions constituting 13% of the total area of the country has received no 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 02nd November, 2017 has been 108.37 BCM as against 112.85 BCM on 02.11.2016 (last year) and 113.06 BCM of normal (average of the last 10 years) storage. Current year's storage is 96% of last year's storage and the average of last 10 year's storage each.*
- *All-India progressive procurement of Rice as on 02.11.2017 for 2017-18 was 131.92 lakh tonnes against the procurement of 123.17 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 308.25 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Army worm incidence was observed above Economic Threshold Level (ETL) in Ragi, Jowar & Maize crop at Chitradurga, Davengere, Haveri and Kolar districts of Karnataka.*

- *Rodents incidence in Rice was reported from Tengnoupal and Moreh block in Tengnoupal district of Manipur in moderate medium intensity.*
- *Availability position of seeds and fertilizers has been found satisfactory.*
- *Imports of wheat, pulses, edible oil, cotton and sugar during the current year (April to July) have been higher as compared to its imports during the corresponding period of last year.*

1. **Post-monsoon Season (October – December) during the week ending 01st November, 2017**

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

- **Rainfall during the week (26th October, 2017 to 01st November, 2017)** Rainfall was large excess in 01 subdivision, normal in 04, deficient/large deficient in 18 subdivisions and no rain in 13 out of 36 meteorological sub-divisions. (Sub-division wise weekly rainfall distribution is given in **Annex I**).
- **Cumulative rainfall (01st October, 2017 to 01st November, 2017)** Rainfall was large excess/excess in 12, normal in 08, deficient/large deficient in 12 sub-divisions and 04 met subdivisions out of 36 meteorological sub-divisions. (The sub-division-wise seasonal rainfall distribution is given in **Annex II**).

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

Region	Week Ending (01.11.2017)				Cumulative (01.10.17 to 01.11.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.0	2.2	-99	LD	0.7	30.9	-98	LD
Central India	0.3	5.2	-93	LD	63.8	59.1	8	N
South Peninsular India	17.7	29.3	-39	D	163.6	160.1	2	N
East & North-East India	11.9	12.2	-3	N	179.7	132.5	36	E
Country as a whole	5.5	10.2	-46	D	82.5	82.2	0	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 Oct. to 01st Nov., 2017

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	31 OCT 2012	30 OCT 2013	29 OCT 2014	04 NOV 2015	02 NOV 2016	01 NOV 2017
Large Excess	-	-	-	-	-	03
Excess	02	21	06	02	07	09
Normal	08	05	08	08	07	08
Total	10	26	14	10	14	20
Deficient	12	10	10	05	10	05
Large Deficient	-	-	-	-	-	07
Scanty	14	00	12	21	12	-
No rain	00	00	00	00	00	04
Total	26	10	22	26	22	16
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 28%	62%	(-) 24%	(-) 43%	(-) 34%	0%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 06th Nov. to 11th Nov., 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 & Telangana, 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								
S.No.	MET.SUB-DIVISIONS	26 OCT	27 OCT	28 OCT	29 OCT	30 OCT	31 OCT	01 NOV
1	ANDAMAN & NICO.ISLANDS	SCT	SCT	SCT	DRY	FWS	FWS	FWS
2	ARUNACHAL PRADESH	ISOL	DRY	DRY	DRY	ISOL	FWS	ISOL
3	ASSAM & MEGHALAYA	ISOL	DRY	ISOL	ISOL	ISOL	FWS	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	DRY	DRY	DRY	ISOL	WS	WS	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	SCT	ISOL	ISOL	DRY	ISOL	SCT	DRY
6	GANGETIC WEST BENGAL	SCT	DRY	DRY	DRY	ISOL	ISOL	ISOL
7	ODISHA	ISOL	ISOL	DRY	DRY	DRY	ISOL	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	DRY	DRY	DRY	ISOL	ISOL	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
13	HARYANA CHD. & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU & KASHMIR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	ISOL	ISOL	DRY	ISOL	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	ISOL	ISOL	ISOL	DRY	DRY	DRY
25	MARATHAWADA	DRY	DRY	ISOL	ISOL	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	FWS	SCT	ISOL	FWS**	FWS*
32	COASTAL KARNATAKA	FWS	ISOL	SCT	DRY	ISOL	DRY	DRY
33	NORTH INT.KARNATAKA	ISOL	ISOL	DRY	ISOL	DRY	DRY	DRY
34	SOUTH INT.KARNATAKA	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
35	KERALA	ISOL	WS	WS*	SCT	ISOL	SCT	SCT
36	LAKSHADWEEP	DRY	DRY	DRY	FWS	DRY	DRY	DRY
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	06-Nov Today	07Nov Tue	08Nov Wed	09Nov Thu	10Nov Fri
1. Andaman & Nicobar Islands	SCT	WS	WS	FWS	FWS
2. Arunachal Pradesh	DRY	DRY	DRY	DRY	DRY
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	DRY	DRY	DRY
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	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	DRY	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	DRY	DRY	DRY	DRY
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	DRY	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	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	SCT	ISOL	ISOL	ISOL	ISOL
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	FWS	SCT	SCT	SCT	SCT
32. Coastal Karnataka	SCT	SCT	ISOL	ISOL	ISOL
33. North Interior Karnataka	ISOL	DRY	DRY	DRY	DRY
34. South Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
35. Kerala	FWS	SCT	SCT	SCT	SCT
36. Lakshadweep	ISOL	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		

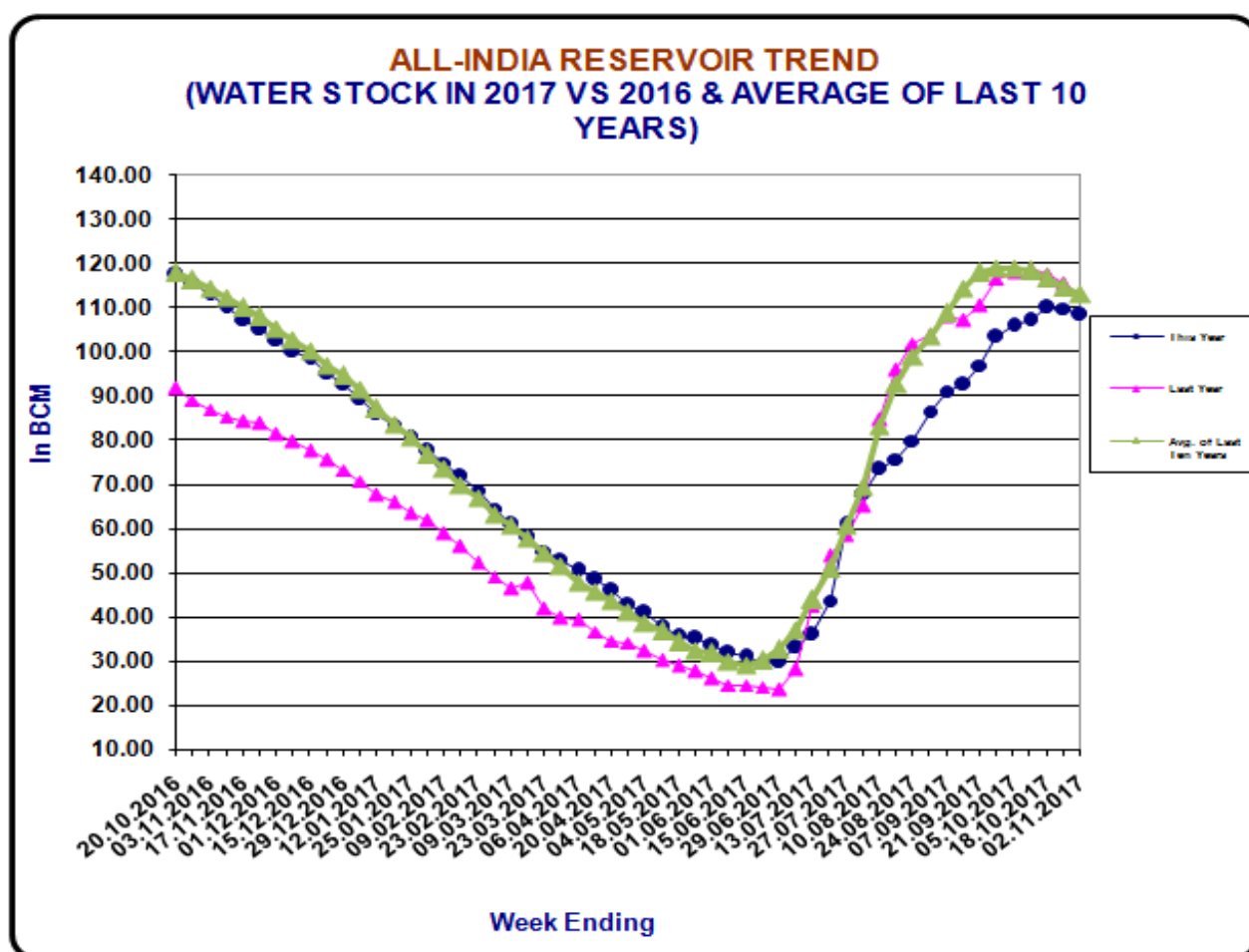
2. Reservoir Status (For the week ending on 02.11.2017)

- **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 decreased to 108.37 BCM from the previous week's level of 109.88 BCM. Current storage is lower than the last year's position of 112.85 BCM and the average of last 10 year's storage of 113.06 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	69	96	96
Last Week	70	95	96
The percentage to live capacity at FRL was 72% on 02/11/2016, 55% on 02/11/2015, 72% on 02/11/2014 and 87% on 02/11/2013.			
<i>Source: CWC</i>			

There were 71 reservoirs having storage more than 80% of normal storage, 13 reservoirs having storage between 50% to 80%, 04 reservoir having storage between 30% to 50%, 03 reservoirs having storage upto 30% of Normal Storage.



Source: Central Water Commission

* The State wise details (reservoir position) are given in the **Annex III**.

3. Fertilizer Position:

Table – 3.1: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Rabi 2017 (As on 31.10.2017)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.10.2017	1080	967	214	966	242
Requirement for Rabi, 2017	15430	5083	1670	5046	2948
Requirement upto October, 2017	2818	1419	320	865	590
Availability upto 31.10.2017	3391	2207	506	1813	673
Sales upto 31.10.2017	1960	1172	242	651	372
Closing Stock upto 31.10.2017	1431	1035	264	1162	301

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 Situation

Table: 5.1

All India Crop Situation - Rabi (2017-18) as on 03-11-2017									(Area in lakh hectares)	
Crop Name	Normal Area	Average Area as on date	Area sown			Absolute Change over (+/-)		% Change over		
			This Year	% of Normal	Last Year	Average as on date	Last Year	Average as on date	Last Year	
Wheat	304.43	5.13	8.43	2.8	3.88	3.3	4.6	64.3	117.3	
Rice	41.07	0.02	6.64	16.2	4.18	6.6	2.5	33100.0	58.9	
Jowar	37.52	19.20	14.33	38.2	13.59	-4.9	0.7	-25.4	5.4	
Maize	15.73	1.42	1.50	9.5	1.14	0.1	0.4	5.6	31.6	
Total Coarse Cereals	59.87	20.91	16.80	28.1	15.14	-4.1	1.7	-19.7	11.0	
Total Cereals	405.37	26.06	31.87	7.9	23.20	5.8	8.7	22.3	37.4	
Gram	86.80	15.45	30.58	35.2	20.75	15.1	9.8	97.9	47.4	
Lentil	14.14	2.46	4.94	34.9	2.14	2.5	2.8	101.0	131.2	
Peas	8.72	2.62	3.15	36.2	2.59	0.5	0.6	20.5	21.9	
Kulthi(Horse Gram)	2.20	1.24	1.23	56.0	1.06	0.0	0.2	-1.1	15.7	
Urad	7.85	0.81	0.77	9.9	0.72	0.0	0.0	-4.4	6.8	
Moong	9.26	0.25	0.14	1.5	0.18	-0.1	0.0	-42.1	-19.7	
Lathyrus	4.70	0.47	0.32	6.8	0.53	-0.1	-0.2	-31.8	-40.2	
Others	3.55	0.75	0.88	24.8	0.62	0.1	0.3	17.0	42.2	
Total Pulses	137.22	24.04	42.01	30.6	28.59	18.0	13.4	74.7	47.0	
Total Foodgrains	542.59	50.10	73.88	13.6	51.79	23.8	22.1	47.5	42.7	
Rapeseed & Mustard	60.89	21.82	26.57	43.6	26.81	4.8	-0.2	21.8	-0.9	
Groundnut	8.22	1.43	1.24	15.1	1.47	-0.2	-0.2	-12.8	-15.2	
Safflower	1.83	0.41	0.23	12.4	0.15	-0.2	0.1	-45.2	56.6	
Sunflower	4.33	1.49	0.66	15.2	0.75	-0.8	-0.1	-55.7	-11.8	
Sesamum	2.97	0.07	0.05	1.8	0.05	0.0	0.0	-22.9	3.8	
Linseed	2.92	0.42	0.62	21.3	0.31	0.2	0.3	49.8	102.9	
Total Oilseeds (Nine)	81.17	25.70	29.45	36.3	29.57	3.7	-0.1	14.6	-0.4	
All- Crops	623.76	75.81	103.33	16.6	81.35	27.5	22.0	36.3	27.0	

Source: Crops & TMOP Divisions, DAC&FW

6. Progressive procurement of Rice as on 03.11.2017 (lakh tonnes)

Table: 6.1

State	Target (only kharif crop) in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 03.11.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00		
Telangana	15.00	0.79	0.34
Bihar	12.00		
Chhattisgarh	48.00		
Haryana	30.00	37.54	33.15
Kerala	1.00	0.10	0.12
Madhya Pradesh	13.00		
Maharashtra	4.00		
Odisha	30.00		
Punjab	115.00	92.07	88.82
Tamil Nadu	10.00	-	0.07
Uttar Pradesh	37.00	1.18	0.29
Uttrakhand	7.00	0.09	0.19
West Bengal	23.00		
All-India	375.00	131.92	123.17

7. Progressive procurement of Wheat as on 03.11.2017 (lakh tonnes)

Table: 7.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 03.11.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.32	67.52
Madhya Pradesh	85.00	67.25	39.92
Punjab	115.00	117.06	106.49
Rajasthan	17.50	12.45	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	308.25	229.62