

F. No. 3-1/ 2016-17-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: 15.05.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 12.05.2017.

Summary observations of the Group on Agenda Items

- *In the Pre Monsoon season, at All-India level, the rainfall during the week (04th May, 2017 – 10th May, 2017) has been 21% lower than the Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher by 22% in Central India, 13% in South Peninsula and lower by 62% in North West India, 31% in East & North East India.*
- *The cumulative rainfall in the country during the Pre monsoon season i.e. 01st March to 10th May, 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 by 25% in East & North East India but lower than LPA by 50% in Central India, 15% in North West India and 09% in South Peninsula.*
- *Out of 36 met sub-divisions, 05 met subdivisions constituting 11% of the total area of the country has received large excess/excess rainfall, 10 met sub-divisions constituting 24% of the total area of the country has received normal rainfall, 12 met sub-divisions constituting 35% of the total area of the country has received deficient and 09 met sub-divisions constituting 30% of the total area of the country has received large deficient rainfall.*
- *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 11th May, 2017 has been 37.72 BCM as against 30.12 BCM on 11.05.2016 (last year) and 36.77 BCM of normal (average of the last 10 years) storage. Current year's storage is 125% of last year's storage and 103% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 12.05.2017 for 2016-17 was 358.04 lakh tonnes against the procurement of 324.21 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 273.24 lakh tonnes against the procurement of 224.14 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

1. Pre Monsoon Season (March–May) during the week ending on 10th May, 2017

➤ **Sub-division-wise weekly rainfall forecast is shown in Table-1.1**

- **Rainfall during the week (04th May, 2017 to 10th May, 2017)** Rainfall was large excess/excess in 10 subdivision, normal in 06, deficient/large deficient in 18 and no rain in 02 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2017 to 10th May, 2017)** Rainfall was large excess/excess in 05, normal in 10 and deficient/large deficient in 21 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (10.05.2017)				Cumulative (01.03.17 to 10.05.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	2.4	6.4	-62	LD	75.2	88.5	-15	N
Central India	4.2	3.4	22	E	12.2	24.3	-50	D
South Peninsular India	14.9	13.2	13	N	59.5	65.1	-9	N
East & North-East India	25.4	36.9	-31	D	297.0	236.8	25	E
Country as a whole	9.1	11.6	-21	D	86.2	86.1	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 Mar. to 10th May, 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st March to 10th May, 2017</i>					
	09 MAY 2012	08 MAY 2013	07 MAY 2014	13 MAY 2015	11 MAY 2016	10 MAY 2017
Large Excess	-	-	-	-	04	01
Excess	06	05	15	28	13	04
Normal	09	06	08	06	14	10
Total	15	11	23	34	31	15
Deficient	15	20	07	02	05	12
Large Deficient	-	-	-	-	00	09
Scanty	06	05	06	00	-	-
No rain	00	00	00	00	00	00
Total	21	25	13	02	05	21
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 21%	(-) 30%	(-) 2%	57%	(-) 12%	0%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 12th May,2017 to 16th May,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	04 MAY	05 MAY	06 MAY	07 MAY	08 MAY	09 MAY	10 MAY
1	ANDAMAN & NICOL ISLANDS	FWS	DRY	SCI	SCI	FWS	DRY	ISOL
2	ARUNACHAL PRADESH	SCI	WS	WS	WS	ISOL	ISOL	FWS
3	ASSAM & MEGHALAYA	SCI	WS	WS	FWS	ISOL	ISOL	FWS
4	NAGA, MANIPUR & TRIPURA	ISOL	ISOL	SCI	WS	ISOL	DRY	SCI
5	SUB-HIM.W. BENG. & BIHAR	WS	FWS	FWS	WS	DRY	FWS	WS
6	CANTONMENT WEST BENGAL	DRY	ISOL	ISOL	ISOL	DRY	ISOL	SCI
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCI
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
9	BIHAR	ISOL	ISOL	ISOL	DRY	DRY	FWS	ISOL
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	SCI	ISOL
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	ISOL	DRY
12	UTTARAKHAND	ISOL	ISOL	ISOL	DRY	ISOL	FWS	ISOL
13	HARYANA CHD. & DELHI	ISOL	DRY	DRY	DRY	DRY	DRY	ISOL
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
15	HIMACHAL PRADESH	SCI	ISOL	ISOL	DRY	ISOL	ISOL	SCI
16	JAMMU & KASHMIR	FWS	ISOL	DRY	ISOL	DRY	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASHTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	ISOL	DRY	ISOL	ISOL	DRY	DRY
24	MADHYA MAHARASHTRA	SCI	ISOL	SCI	ISOL	ISOL	ISOL	ISOL
25	MAHARHARASHTRA	ISOL	DRY	ISOL	DRY	DRY	ISOL	ISOL
26	VIDARBHA	ISOL	DRY	DRY	DRY	ISOL	ISOL	DRY
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCI
29	TELANGANA	ISOL	ISOL	DRY	ISOL	ISOL	ISOL	SCI
30	KERALA	ISOL	DRY	DRY	ISOL	SCI	DRY	SCI
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	SCI	ISOL	SCI
32	COASTAL KARNATAKA	SCI	ISOL	ISOL	SCI	FWS	DRY	SCI
33	NORTH INT. KARNATAKA	ISOL	ISOL	SCI	SCI	FWS	SCI	SCI
34	SOUTH INT. KARNATAKA	SCI	ISOL	ISOL	FWS	FWS	ISOL	SCI
35	KERALA	ISOL	ISOL	SCI	FWS	WS	ISOL	ISOL
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	WS	WS	DRY

LEGENDS:			
WS	WIDE SPREAD / MOST PLACES (76-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)
SCI	SCATTERED / FEW PLACES (26% to 50%)	ISOL	ISOLATED (up to 25%)
		DRY	NO SIGNIFICANT RAINFALL
* Heavy Rainfall (64.5-115.5 mm)		** Heavy to Very Heavy Rainfall (115.5-204.4 mm)	
*** Extremely Heavy Rainfall (204.5 mm or more)			

Table: 1.4

Met-Sub-Division	12-May Today	13May Sat	14May Sun	15May Mon	16May Tue
1. Andaman & Nicobar Islands	FWS	FWS	WS	WS	WS
2. Arunachal Pradesh	SCT	FWS	FWS	WS	WS
3. Assam & Meghalaya	FWS	WS	WS	WS	WS
4. N. M. M. & T.	FWS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	ISOL	ISOL	ISOL	ISOL	ISOL
7. Odisha	ISOL	ISOL	DRY	DRY	DRY
8. Jharkhand	ISOL	DRY	DRY	DRY	DRY
9. Bihar	ISOL	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	ISOL	ISOL	ISOL	DRY	DRY
11. West Uttar Pradesh	ISOL	ISOL	DRY	DRY	DRY
12. Uttarakhand	ISOL	ISOL	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	DRY	DRY	ISOL	ISOL
14. Punjab	ISOL	DRY	ISOL	ISOL	ISOL
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	ISOL	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	ISOL	ISOL	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	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	ISOL	ISOL	ISOL	ISOL	ISOL
24. Madhya Maharashtra	ISOL	ISOL	ISOL	DRY	ISOL
25. Marathawada	ISOL	ISOL	ISOL	DRY	ISOL
26. Vidharbha	ISOL	DRY	DRY	DRY	DRY
27. Chhattisgarh	ISOL	DRY	DRY	DRY	DRY
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	SCT	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	SCT	SCT	SCT	SCT	SCT
33. North Interior Karnataka	SCT	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	FWS	FWS	SCT
35. Kerala	WS	SCT	SCT	FWS	FWS
36. Lakshadweep	SCT	ISOL	ISOL	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 11.05.2017)

- **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 37.72 BCM from the previous week's level of 41.07 BCM. Current storage is higher than the last year's position of 30.12 BCM and the average of last 10 year's storage of 36.77 BCM.

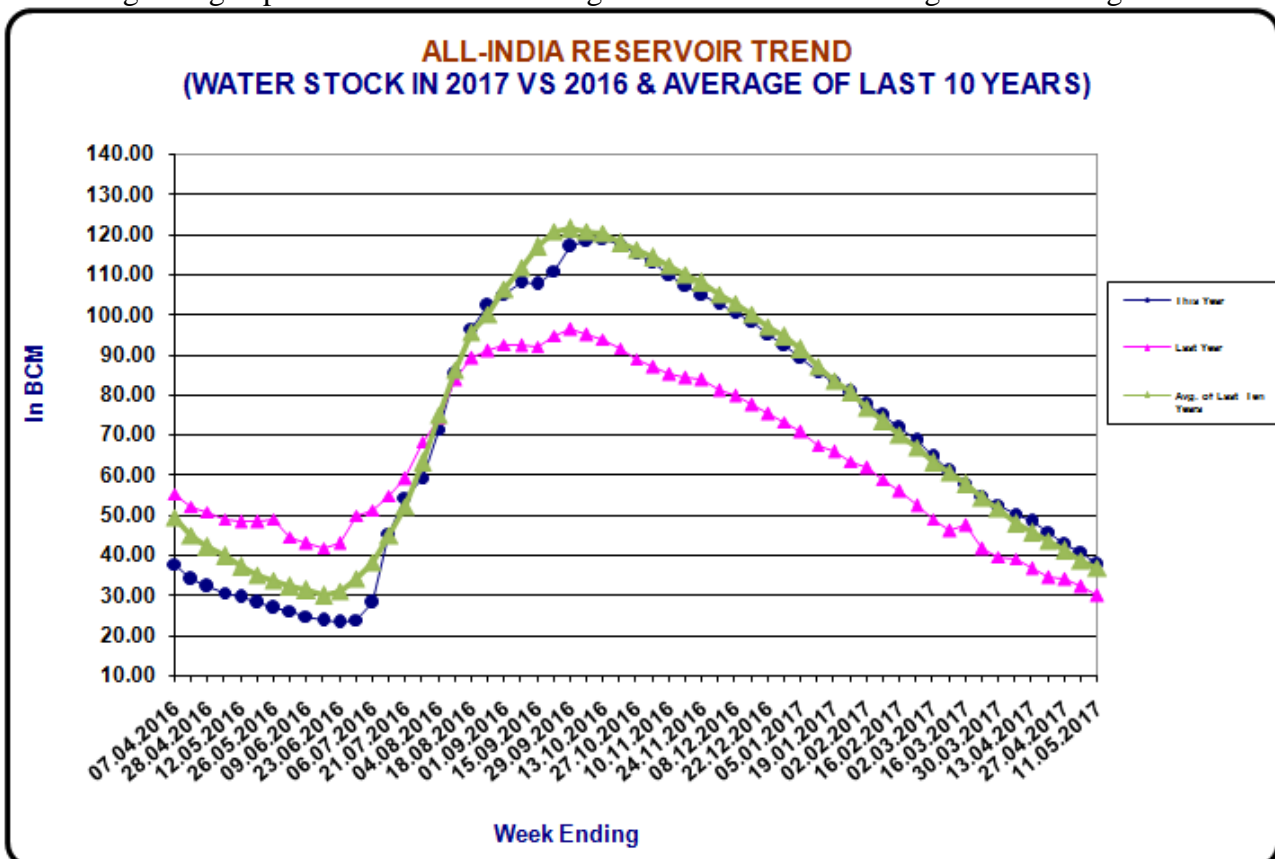
Table – 2.1 : For 91 major reservoirs of the country

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	24	125	103
Last Week	26	128	106

The percentage to live capacity at FRL was 19% on 11/05/2016, 29% on 11/05/2015, 31% on 11/05/2014 and 24% on 11/05/2013.

Source: CWC

There were 46 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 50% to 80%, 13 reservoirs having storage between 30% to 50%, 17 reservoirs having storage upto 30% of Normal Storage and 04 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 2016-17 (As on 11.05.2017)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	692	214
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto May, 2017	1897	720	209	556	356
Availability upto 11.05.2017	3571	1101	358	1178	437
Sales upto 11.05.2017	1031	213	152	184	133
Closing Stock upto 11.05.2017	2540	888	206	994	304

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

4. Pest & Diseases:

- Incidence of **Black headed caterpillar** (*Opisina arenosella*) in **low to moderate** intensity on coconut has been reported in Arsikere, Kadur, Taluk of Hassan and Chikkamagaluru districts respectively of Karnataka state.
- Incidence of Rugose Spiralling whitefly in **low to moderate** intensity on Coconut plant has been reported in Mulki, Karnad, Kolnad and Dharmastana blocks of Mangalore district of Karnataka State.
- Incidence of Rugose Spiralling whitefly in **low to moderate** intensity on Banana plant has been reported in Mulki, Karnad, Kolnad and Dharmastana blocks of Mangalore district of Karnataka State.
- Incidence of Rugose Spiralling whitefly in **low to moderate** intensity on Guava plant has been reported in Mulki, Karnad, Kolnad and Dharmastana blocks of Mangalore district of Karnataka State.
- Incidence of Mango nut weevil in **low** intensity on Mango has been reported in Krishinagiri district of Tamilnadu State.
- Incidence of *Helicoverpa* spp. in **low to moderate** intensity on Cucurbits has been reported in Unchahar area of Raibareli district of Uttar Pradesh State.

Incidence of Army worm and Cob borer in **low to moderate** intensity on Maize have been reported by State Agriculture Department of Bihar in some villages of Gaya Ghat Block of Muzaffarpur district of Bihar. The crop is in final harvesting stage.

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

5. Progressive procurement of Rice as on 12.05.2017 (lakh tonnes)

Table: 5.1

State	Total procurement in marketing season 2015-16 (Oct. – Sept.)	Progressive Procurement as on 12.05.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	43.36	33.12	39.39
Telangana	15.79	21.34	13.53
Chhattisgarh	34.42	46.62	34.42
Haryana	28.61	35.83	28.61
Kerala	3.82	3.04	3.62
Madhya Pradesh	8.49	13.14	8.41
Maharashtra	2.30	2.47	1.61
Odisha	33.69	28.07	26.77
Punjab	93.50	110.52	93.50
Tamil Nadu	11.92	1.41	10.25
Uttar Pradesh	29.10	23.54	29.10
Uttarakhand	5.98	7.06	5.97
West Bengal	15.68	17.61	13.84
All-India	342.18	358.04	324.21

6. Progressive procurement of Wheat as on 12.05.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (April – March)	Progressive Procurement as on 12.05.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	67.52	73.46	67.03
Madhya Pradesh	39.92	59.28	38.88
Punjab	106.49	115.20	104.92
Rajasthan	7.62	9.25	6.67
Uttar Pradesh	7.97	15.92	6.54
All-India	229.62	273.24	224.14