

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: 10.10.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 06.10.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (28th September, 2017 – 04th October, 2017) has been 03% 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 42% in South Peninsula and 23% in East & North East India but lower than LPA by 95% in North West India and 36% in Central India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 30th September, 2017 has been 05% 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 10% in North West India, 06% in Central India, 04% in East & North East India and equal to LPA in South Peninsula.*
- *Out of 36 met sub-divisions, 05 met subdivisions constituting 18% of the total area of the country has received excess rainfall, 25 met sub-divisions constituting 65% of the total area of the country has received normal rainfall and 06 met sub-divisions constituting 17% 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 05th October, 2017 has been 105.85 BCM as against 118.12 BCM on 05.10.2016 (last year) and 118.98 BCM of normal (average of the last 10 years) storage. Current year's storage is 90% of last year's storage and 89% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 06.10.2017 for 2016-17 was 381.06 lakh tonnes against the procurement of 341.78 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.*

- *Pink Bollworm incidence was observed above Economic Threshold Level (ETL) in cotton crop at Jalna, Jalgoan, Amravati, Akola, Yawatmal, Parbhani, Aurangabad and Beed districts.*
- *Availability position of seeds and fertilizers has been found satisfactory.*
- *Imports of pulses, edible oil 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. Monsoon Season (June – September) during the week ending on 04th October, 2017

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

- **Rainfall during the week (28th September, 2017 to 04th October, 2017)** Rainfall was large excess/excess in 08 subdivision, normal in 11, deficient/large deficient in 12 subdivision and no rain in 05 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2017 to 30th September, 2017)** Rainfall was large excess/excess in 05, normal in 25 and deficient/large deficient in 06 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (04.10.2017)				Cumulative (01.06.17 to 30.09.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.6	12.2	-95	LD	552.9	615.0	-10	N
Central India	15.8	24.6	-36	D	918.8	975.5	-6	N
South Peninsular India	61.2	43.1	42	E	717.6	716.1	0	N
East & North-East India	67.4	54.9	23	E	1386.4	1438.3	-4	N
Country as a whole	28.3	29.2	-3	N	841.3	887.5	-5	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 30th Sept., 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 30th September, 2017</i>					
	30 SEP 2012	30 SEP 2013	30 SEP 2014	30 SEP 2015	30 SEP 2016	27 SEP 2017
Large Excess	-	-	-	-	-	00
Excess	01	14	01	01	04	05
Normal	22	16	23	18	23	25
Total	23	30	24	19	27	30
Deficient	13	06	12	17	09	06
Large Deficient	-	-	-	-	-	-
Scanty	00	00	00	00	00	00
No rain	00	00	00	00	00	00
Total	13	06	12	17	09	06
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 8%	6%	(-) 12%	(-) 14%	(-) 3%	(-) 5%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 06th Oct., 2017 to 10th Oct., 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								
S.No.	MET.SUB-DIVISIONS	28 SEP	29 SEP	30 SEP	01 OCT	02 OCT	03 OCT	04 OCT
1	ANDAMAN & NICO.ISLANDS	WS	FWS	WS	WS	FWS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	WS	WS	WS*	WS*	FWS*	SCT
3	ASSAM & MEGHALAYA	SCT	WS*	WS**	WS**	WS	SCT	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	WS	WS*	WS*	FWS	WS	ISOL	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	WS	WS*	WS*	WS*	FWS	DRY
6	GANGETIC WEST BENGAL	SCT	WS*	WS	SCT	WS	FWS	SCT
7	ODISHA	SCT	FWS*	FWS	FWS*	FWS	FWS*	SCT
8	JHARKHAND	SCT	FWS	FWS*	SCT	WS*	FWS*	SCT
9	BIHAR	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	DRY
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	ISOL	ISOL	ISOL	ISOL	DRY
13	HARYANA CHD. & DELHI	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	DRY	ISOL	DRY	DRY	DRY
16	JAMMU & KASHMIR	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	ISOL	DRY	ISOL	DRY	DRY	DRY
20	EAST MADHYA PRADESH	ISOL	ISOL	DRY	ISOL	ISOL	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	SCT	WS*	WS*	FWS	SCT	SCT	ISOL
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	ISOL	ISOL	SCT	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	DRY	ISOL	ISOL	DRY
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	SCT	FWS*	SCT	SCT	FWS	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	WS	SCT	SCT	SCT	SCT	SCT	SCT
29	TELANGANA	FWS*	SCT	SCT	ISOL	SCT	FWS*	ISOL
30	RAYALASEEMA	FWS*	FWS*	SCT	SCT	WS**	ISOL	FWS*
31	TAMILNADU & PUDUCHERRY	SCT	SCT	ISOL	ISOL	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	WS*	WS*	FWS	FWS	WS*	WS	SCT
33	NORTH INT.KARNATAKA	FWS	WS*	WS*	SCT	FWS	FWS	SCT
34	SOUTH INT.KARNATAKA	WS*	WS*	WS	FWS	WS*	SCT	FWS
35	KERALA	WS*	WS*	WS	FWS	WS*	FWS	ISOL
36	LAKSHADWEEP	WS	FWS	SCT	FWS	WS	SCT	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%)	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-Oct Today	07Oct Sat	08Oct Sun	09Oct Mon	10Oct Tue
1. Andaman & Nicobar Islands	SCT	SCT	SCT	FWS	FWS
2. Arunachal Pradesh	ISOL	ISOL	SCT	SCT	SCT
3. Assam & Meghalaya	SCT	FWS	FWS	SCT	SCT
4. N. M. M. & T.	SCT	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	ISOL	SCT	SCT	FWS	SCT
6. Gangetic West Bengal	SCT	FWS	FWS	FWS	FWS
7. Odisha	FWS	WS	WS	FWS	FWS
8. Jharkhand	SCT	FWS	FWS	WS	WS
9. Bihar	ISOL	ISOL	SCT	FWS	SCT
10. East Uttar Pradesh	DRY	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	SCT	ISOL	ISOL	ISOL
20. East Madhya Pradesh	SCT	SCT	ISOL	ISOL	ISOL
21. Gujarat Region	DRY	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	FWS	WS	WS	WS
24. Madhya Maharashtra	SCT	WS	WS	FWS	FWS
25. Marathawada	ISOL	WS	WS	FWS	FWS
26. Vidharbha	SCT	FWS	WS	SCT	SCT
27. Chhattisgarh	SCT	WS	WS	WS	WS
28. Coastal Andhra Pradesh	FWS	FWS	FWS	FWS	FWS
29. Telangana	FWS	FWS	FWS	FWS	FWS
30. Rayalaseema	FWS	FWS	SCT	SCT	SCT
31. Tamilnadu & Puduchery	FWS	SCT	SCT	SCT	SCT
32. Coastal Karnataka	FWS	SCT	SCT	SCT	SCT
33. North Interior Karnataka	ISOL	FWS	WS	WS	WS
34. South Interior Karnataka	FWS	SCT	FWS	FWS	FWS
35. Kerala	FWS	SCT	SCT	SCT	SCT
36. Lakshadweep	FWS	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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

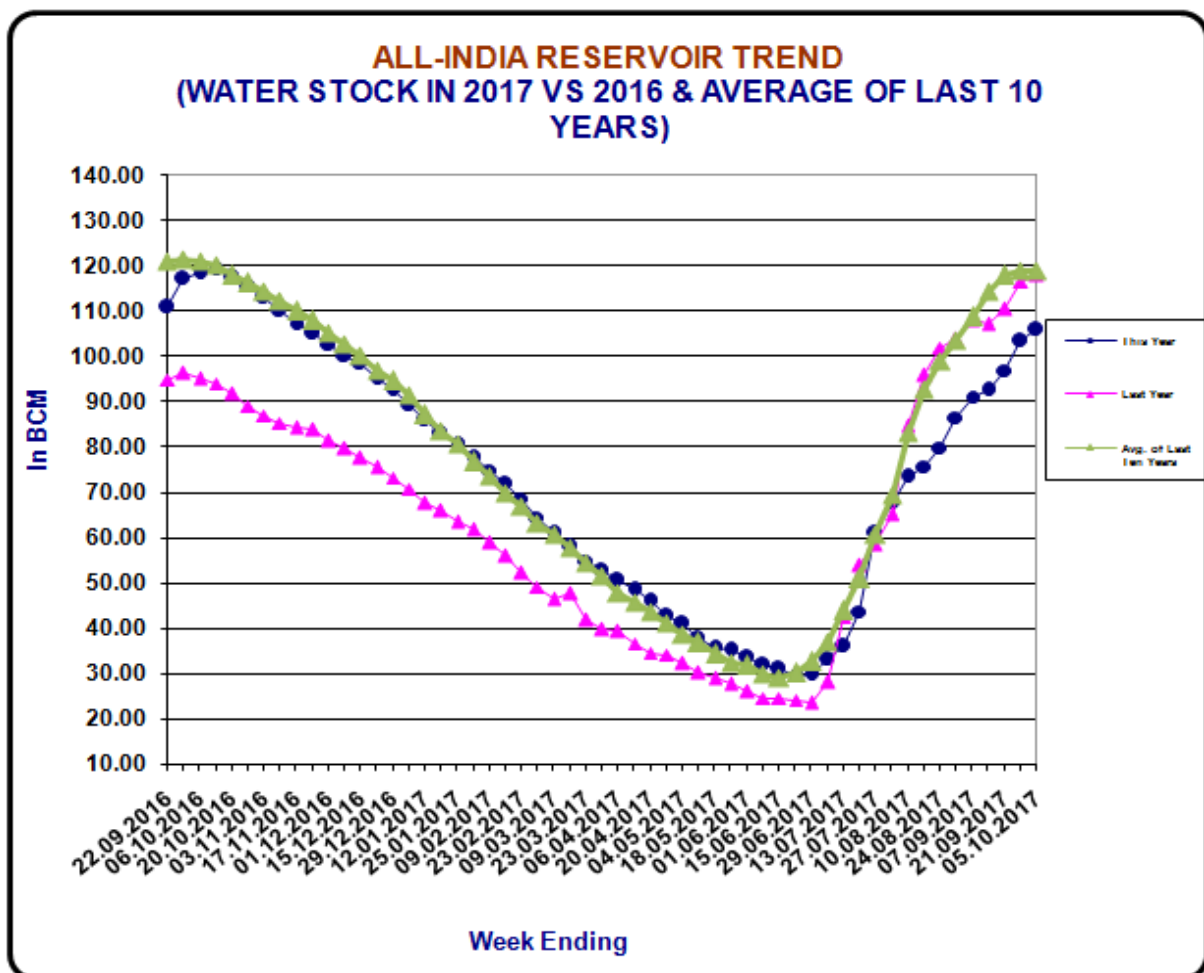
2. Reservoir Status (For the week ending on 05.10.2017)

- **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 105.85 BCM from the previous week's level of 103.43 BCM. Current storage is lower than the last year's position of 118.12 BCM and the average of last 10 year's storage of 118.98 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	67	90	89
Last Week	66	89	87
The percentage to live capacity at FRL was 75% on 05/10/2016, 60% on 05/10/2015, 75% on 05/10/2014 and 86% on 05/10/2013.			
<i>Source: CWC</i>			

There were 65 reservoirs having storage more than 80% of normal storage, 18 reservoirs having storage between 50% to 80%, 04 reservoir having storage between 30% to 50%, 04 reservoirs having storage upto 30% of Normal 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 30.09.2017)

(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 September, 2017	2309	759	330	896	432
Availability upto 30.09.2017	15808	5353	1980	5102	2035
Sales upto 30.09.2017	14543	4304	1742	4012	1754
Closing Stock upto 30.09.2017	1265	1049	237	1090	282

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 Kharif Crop Situation - 1st Adv. (2017-18) vis-à-vis 4th Adv. (2016-17)				
(In lakh hectares)				
Crop Name	Normal Area for whole Kharif Season	Area sown reported		Last Year
		1st Advance Estimates 2017-18	4th Advance Estimates 2016-17	
Rice	395.94	387.16	389.49	-2.3
Jowar	23.46	18.48	19.26	-0.8
Bajra	76.66	70.51	74.72	-4.2
Maize	73.30	77.45	80.98	-3.5
Total Coarse Cereals	192.06	183.52	191.26	-7.7
Total Cereals	588.01	570.69	580.75	-10.1
Tur	39.24	44.20	54.00	-9.8
Urad	24.79	36.12	34.88	1.2
Moong	23.41	32.33	33.20	-0.9
Others	15.74	20.20	21.37	-1.2
Total Pulses	105.58	132.84	143.44	-10.6
Total Foodgrains	693.59	703.53	724.19	-20.7
Groundnut	41.49	41.92	45.72	-3.8
Soyabean	110.36	105.60	113.16	-7.6
Sunflower	2.29	1.59	1.66	-0.1
Sesamum	17.97	14.88	17.14	-2.3
Nigerseed	2.92	2.67	2.54	0.1
Castorseed	11.84	7.59	8.30	-0.7
Total Oilseeds	186.86	174.24	188.52	-14.3
Cotton	122.45	122.35	108.45	13.9
Sugarcane	50.05	46.69	43.89	2.8
Jute & Mesta	8.39	7.35	7.66	-0.3
All- Crops	1061.34	1054.16	1072.71	-18.5

Normal Area is the average of the area during the period 2011-12 to 2015-16.

6. Progressive procurement of Rice as on 06.10.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 06.10.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.24	43.36
Telangana	30.00	35.96	15.80
Bihar	20.00	12.34	12.23
Chhattisgarh	35.00	40.22	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	11.92
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	381.06	341.78

7. Progressive procurement of Wheat as on 06.10.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 06.10.2017	
		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