

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: 17.10.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
13.10.2017.**

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (05th October, 2017 – 11th October, 2017) has been 17% higher 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 65% in Central India & 60% in South Peninsula but lower than LPA by 98% in North West India and 19% in East & North East India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 11th October, 2017 has been 5% higher 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 46% in South Peninsula & 18% in Central India but lower than LPA by 97% in North West India and 01% in East & North East India.*
- *Out of 36 met sub-divisions, 13 met subdivisions constituting 37% of the total area of the country has received large excess/ excess rainfall, 06 met subdivisions constituting 10% of the total area of the country has received normal rainfall, 12 met sub-divisions constituting 33% of the total area of the country has received deficient/large deficient rainfall and 05 met subdivisions constituting 20% 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 12th October, 2017 has been 107.28 BCM as against 118.87 BCM on 12.10.2016 (last year) and 118.35 BCM of normal (average of the last 10 years) storage. Current year's storage is 90% of last year's storage and 91% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 13.10.2017 for 2016-17 was 381.07 lakh tonnes against the procurement of 341.77 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 wheat, 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. **Post-monsoon Season (October – December) during the week ending 11th October, 2017**

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

- **Rainfall during the week (05th October, 2017 to 11th October, 2017)** Rainfall was large excess/excess in 13 subdivisions, normal in 05, deficient/large deficient in 12 subdivisions and no rain in 06 out of 36 meteorological sub-divisions. (Sub-division wise weekly rainfall distribution is given in **Annex I**).
- **Cumulative rainfall (01st October, 2017 to 11th October, 2017)** Rainfall was large excess/excess in 13, normal in 06, deficient/large deficient in 12 sub-divisions and 05 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 (11.10.2017)				Cumulative (01.10.17 to 11.10.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.2	10.9	-98	LD	0.6	18.3	-97	LD
Central India	31.3	18.9	65	LE	38.9	32.9	18	N
South Peninsular India	63.6	39.8	60	E	94.3	64.5	46	E
East & North-East India	34.1	41.9	-19	N	72.8	73.5	-1	N
Country as a whole	28.5	24.3	17	N	43.4	41.2	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 Oct. to 11th Oct., 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st October to 11th October, 2017</i>					
	10 OCT 2012	09 OCT 2013	08 OCT 2014	14 OCT 2015	12 OCT 2016	11 OCT 2017
Large Excess	-	-	-	-	-	06
Excess	10	19	02	05	13	07
Normal	05	02	03	06	05	06
Total	15	21	05	11	18	19
Deficient	06	11	07	04	08	06
Large Deficient	-	-	-	-	-	06
Scanty	12	04	23	16	10	00
No rain	03	00	01	05	00	05
Total	21	15	31	25	18	17
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 4%	41%	(-) 65%	(-) 47%	1%	5%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 13th Oct., 2017 to 17th 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	05 OCT	06 OCT	07 OCT	08 OCT	09 OCT	10 OCT	11 OCT
1	ANDAMAN & NICO.ISLANDS	SCT	FWS	FWS	SCT	ISOL	WS	FWS
2	ARUNACHAL PRADESH	ISOL	DRY	ISOL	ISOL	SCT	SCT	ISOL
3	ASSAM & MEGHALAYA	ISOL	ISOL	SCT	SCT	SCT	SCT	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	SCT	ISOL	FWS	SCT	FWS	FWS	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	ISOL	ISOL	SCT	FWS	SCT	SCT
6	GANGETIC WEST BENGAL	ISOL	SCT	ISOL	SCT	FWS**	WS**	FWS*
7	ODISHA	SCT	FWS*	FWS*	SCT	FWS	SCT	ISOL
8	JHARKHAND	ISOL	ISOL	FWS	FWS*	SCT	FWS**	WS**
9	BIHAR	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
10	EAST UTTAR PRADESH	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
12	UTTARAKHAND	DRY	ISOL	DRY	ISOL	DRY	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	ISOL	ISOL	ISOL	ISOL	SCT	SCT
20	EAST MADHYA PRADESH	ISOL	ISOL	SCT	ISOL	SCT	SCT	ISOL
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	ISOL	ISOL	ISOL	SCT	ISOL
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
23	KONKAN & GOA	ISOL	ISOL	WS*	WS*	FWS*	FWS	FWS*
24	MADHYA MAHARASHTRA	ISOL	ISOL	FWS*	FWS*	FWS*	FWS*	WS**
25	MARATHAWADA	DRY	ISOL	SCT	FWS*	FWS*	WS*	WS**
26	VIDARBHA	ISOL	SCT	ISOL	FWS*	FWS*	WS**	SCT
27	CHHATTISGARH	SCT	SCT	FWS*	SCT	FWS*	SCT	ISOL
28	COASTAL ANDHRA PRADESH	FWS*	FWS*	FWS	FWS	SCT	SCT	SCT
29	TELANGANA	SCT	FWS	FWS*	FWS*	FWS*	FWS*	SCT
30	RAYALASEEMA	FWS*	FWS*	SCT	FWS*	WS**	WS**	SCT
31	TAMILNADU & PUDUCHERRY	SCT	FWS*	ISOL	SCT	SCT	SCT	SCT
32	COASTAL KARNATAKA	SCT	SCT	WS**	ISOL	ISOL	SCT	FWS
33	NORTH INT.KARNATAKA	SCT	SCT	WS*	SCT	SCT	FWS**	WS*
34	SOUTH INT.KARNATAKA	FWS*	FWS*	WS*	SCT	SCT	SCT	FWS*
35	KERALA	ISOL	FWS*	FWS	FWS	FWS	ISOL	FWS
36	LAKSHADWEEP	DRY	WS	WS	WS	WS	FWS	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%)	DRY	NO STATION REPORTED RAINFALL			
* ACTIVE (R/F $1\frac{1}{2}$- 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	13-Oct Today	14Oct Sat	15Oct Sun	16Oct Mon	17Oct Tue
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	FWS	FWS	SCT	ISOL	DRY
3. Assam & Meghalaya	WS	FWS	SCT	ISOL	DRY
4. N. M. M. & T.	SCT	SCT	SCT	ISOL	ISOL
5. S.H. West Bengal & Sikkim	SCT	SCT	ISOL	ISOL	DRY
6. Gangetic West Bengal	SCT	ISOL	ISOL	DRY	DRY
7. Odisha	ISOL	ISOL	ISOL	DRY	DRY
8. Jharkhand	ISOL	DRY	DRY	DRY	DRY
9. Bihar	ISOL	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	ISOL	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	DRY	DRY	DRY	DRY
21. Gujarat Region	ISOL	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	ISOL	DRY	DRY	DRY	DRY
23. Konkan & Goa	SCT	ISOL	ISOL	DRY	DRY
24. Madhya Maharashtra	ISOL	ISOL	ISOL	DRY	DRY
25. Marathawada	ISOL	DRY	DRY	DRY	DRY
26. Vidharbha	ISOL	ISOL	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	DRY	DRY	DRY
28. Coastal Andhra Pradesh	FWS	SCT	SCT	SCT	SCT
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	SCT	SCT	SCT	SCT	ISOL
31. Tamilnadu & Puducherry	FWS	FWS	FWS	SCT	SCT
32. Coastal Karnataka	SCT	FWS	FWS	SCT	SCT
33. North Interior Karnataka	SCT	SCT	SCT	ISOL	ISOL
34. South Interior Karnataka	FWS	SCT	SCT	SCT	SCT
35. Kerala	WS	WS	FWS	FWS	FWS
36. Lakshadweep	WS	FWS	FWS	FWS	FWS

% 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		

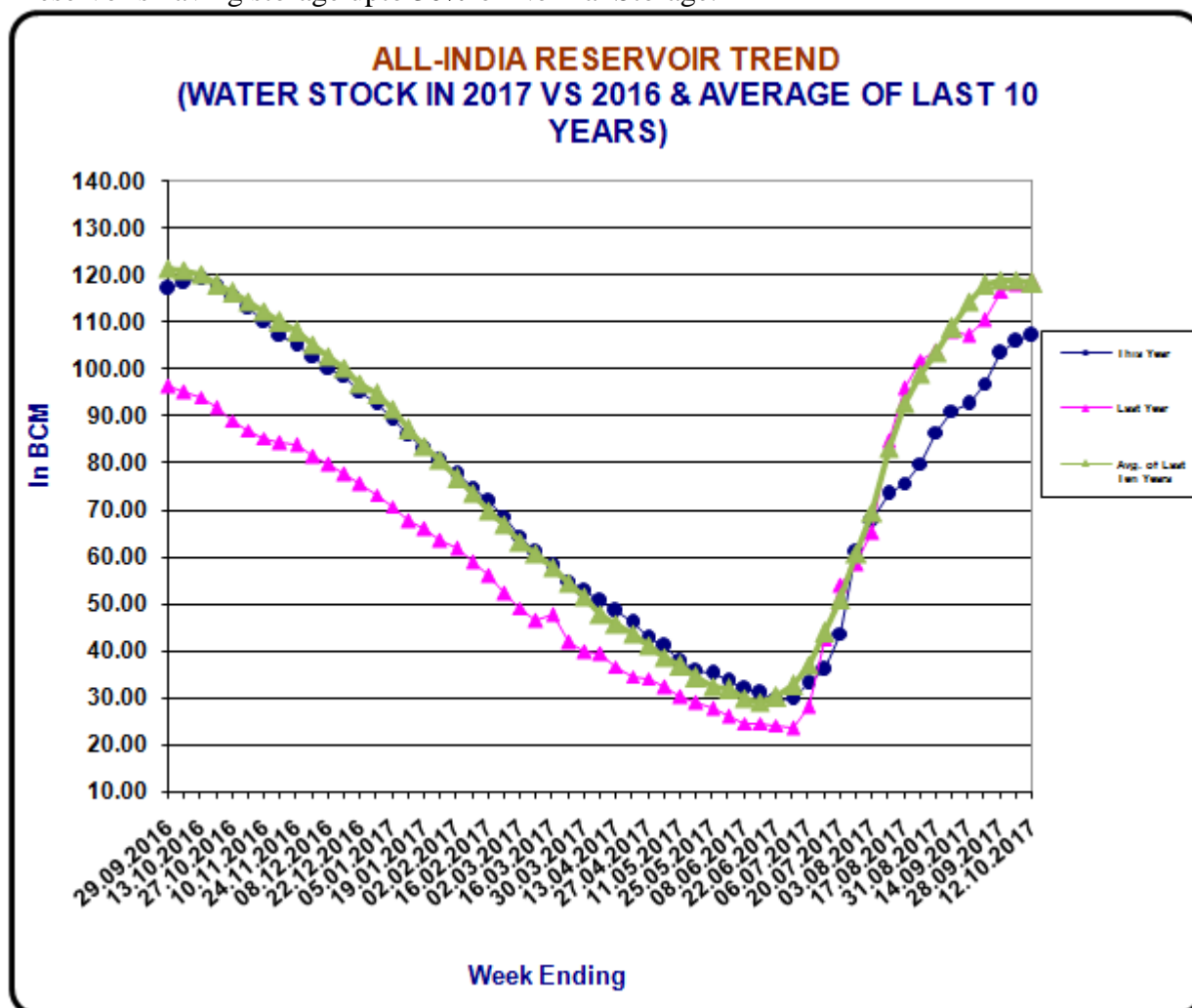
2. Reservoir Status (For the week ending on 12.10.2017)

- **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 107.28 BCM from the previous week's level of 105.85 BCM. Current storage is lower than the last year's position of 118.87 BCM and the average of last 10 year's storage of 118.35 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	68	90	91
Last Week	67	90	89
The percentage to live capacity at FRL was 75% on 12/10/2016, 60% on 12/10/2015, 75% on 12/10/2014 and 86% on 12/10/2013.			
<i>Source: CWC</i>			

There were 66 reservoirs having storage more than 80% of normal storage, 16 reservoirs having storage between 50% to 80%, 05 reservoir having storage between 30% to 50%, 04 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 Kharif 2017 (As on 12.10.2017)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.10.2017	1127	998	210	1045	271
Requirement for Kharif, 2017	15430	5083	1670	5046	2948
Requirement upto October, 2017	2818	1419	320	865	590
Availability upto 12.10.2017	1769	1309	261	1261	388
Sales upto 12.10.2017	351	142	26	100	96
Closing Stock upto 12.10.2017	1418	1167	235	1161	292

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 13.10.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 13.10.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.24	43.36
Telangana	30.00	35.96	15.79
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	381.07	341.77

7. Progressive procurement of Wheat as on 13.10.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 13.10.2017	
		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