

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: 04.10.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 29.09.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (21st September, 2017 – 27th September, 2017) has been 10% 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 28% in North West India and 05% in Central India but lower than LPA by 40% in East & North East India and 22% in South Peninsula.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 27th 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 09% in North West India, 06% in Central India, 04% in East & North East India and 01% 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 28th September, 2017 has been 103.43 BCM as against 116.59 BCM on 28.09.2016 (last year) and 119.02 BCM of normal (average of the last 10 years) storage. Current year's storage is 89% of last year's storage and 87% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 99% of the normal area under Kharif crops has been sown upto 29.09.2017. Area sown according to 1st Advance Estimates 2017-18 has been reported 1054.16 lakh hectares at All India level as compared to 1072.71 lakh hectares according to 4th Advance Estimates 2016-17.*

- *All-India progressive procurement of Rice as on 29.09.2017 for 2016-17 was 381.05 lakh tonnes against the procurement of 341.68 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 ETL in cotton crop at Jalna, Jalgaon, 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 27th September, 2017

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

- **Rainfall during the week (21st September, 2017 to 27th September, 2017)** Rainfall was large excess/excess in 11 subdivision, normal in 05, deficient/large deficient in 18 subdivision and no rain in 02 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2017 to 27th 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 (27.09.2017)				Cumulative (01.06.17 to 27.09.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	26.1	20.4	28	E	552.6	610.2	-9	N
Central India	35.7	34.1	5	N	910.6	964.9	-6	N
South Peninsular India	32.3	41.5	-22	D	687.5	697.7	-1	N
East & North-East India	38.2	63.8	-40	D	1354.4	1415.0	-4	N
Country as a whole	32.5	36.2	-10	N	827.4	875.2	-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 June to 27th Sept., 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 27th September, 2017</i>					
	30 SEP 2012	30 SEP 2013	30 SEP 2014	30 SEP 2015	28 SEP 2016	27 SEP 2017
Large Excess	-	-	-	-	-	00
Excess	01	14	01	01	05	05
Normal	22	16	23	18	22	25
Total	23	30	24	19	27	30
Deficient	13	06	12	17	09	00
Large Deficient	-	-	-	-	-	06
Scanty	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 29th Sept., 2017 to 03rd 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	21 SEP	22 SEP	23 SEP	24 SEP	25 SEP	26 SEP	27 SEP
1	ANDAMAN & NICO.ISLANDS	WS	WS	WS	WS	WS	WS*	WS
2	ARUNACHAL PRADESH	FWS	FWS	WS*	FWS	SCT	ISOL	ISOL
3	ASSAM & MEGHALAYA	FWS	FWS	FWS	FWS	ISOL	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	FWS	SCT	SCT	ISOL	SCT	ISOL	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	WS*	FWS	FWS	WS	FWS*	FWS	ISOL
6	GANGETIC WEST BENGAL	FWS	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
7	ODISHA	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
8	JHARKHAND	WS*	SCT	ISOL	ISOL	ISOL	ISOL	SCT
9	BIHAR	WS*	FWS*	ISOL	ISOL	DRY	ISOL	ISOL
10	EAST UTTAR PRADESH	FWS*	WS**	WS*	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	SCT	WS**	WS**	FWS**	ISOL	DRY	DRY
12	UTTARAKHAND	ISOL	WS	WS**	WS**	FWS	ISOL	DRY
13	HARYANA CHD. & DELHI	DRY	DRY	WS**	SCT	ISOL	ISOL	DRY
14	PUNJAB	DRY	DRY	SCT	ISOL	ISOL	DRY	DRY
15	HIMACHAL PRADESH	DRY	ISOL	WS**	WS**	ISOL	DRY	ISOL
16	JAMMU & KASHMIR	DRY	ISOL	ISOL	DRY	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
19	WEST MADHYA PRADESH	WS**	WS**	SCT	DRY	DRY	ISOL	DRY
20	EAST MADHYA PRADESH	WS**	WS*	SCT	ISOL	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	SCT	ISOL	ISOL	ISOL	DRY	DRY	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	WS**	WS**	SCT	ISOL	SCT	SCT	SCT
24	MADHYA MAHARASHTRA	WS*	FWS	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	SCT	WS*	SCT	DRY	ISOL	ISOL	ISOL
26	VIDARBHA	WS*	WS*	SCT	DRY	ISOL	ISOL	ISOL
27	CHHATTISGARH	WS**	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	FWS*	FWS
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	ISOL
30	RAYALASEEMA	DRY	ISOL	DRY	ISOL	FWS*	FWS	FWS*
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	FWS*	SCT	SCT
32	COASTAL KARNATAKA	WS	WS	ISOL	ISOL	ISOL	WS	WS
33	NORTH INT.KARNATAKA	SCT	SCT	ISOL	SCT	FWS*	FWS	WS
34	SOUTH INT.KARNATAKA	SCT	SCT	ISOL	ISOL	WS**	WS	WS*
35	KERALA	WS	WS	ISOL	ISOL	ISOL	FWS	WS
36	LAKSHADWEEP	WS	DRY	DRY	FWS	FWS	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 (Monsoon 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 (Monsoon 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	29-Sep Today	30Sep Sat	01Oct Sun	02Oct Mon	03Oct Tue
1. Andaman & Nicobar Islands	FWS	FWS	FWS	SCT	FWS
2. Arunachal Pradesh	FWS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	FWS	FWS	FWS	FWS	FWS
4. N. M. M. & T.	WS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	WS	WS	FWS	WS
6. Gangetic West Bengal	FWS	FWS	FWS	FWS	FWS
7. Odisha	FWS	FWS	FWS	FWS	FWS
8. Jharkhand	FWS	FWS	FWS	FWS	FWS
9. Bihar	SCT	SCT	SCT	SCT	FWS
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	ISOL	ISOL	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 Rajasthan	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	ISOL	DRY	DRY	ISOL	ISOL
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	FWS	FWS	SCT	ISOL	SCT
24. Madhya Maharashtra	FWS	SCT	ISOL	ISOL	ISOL
25. Marathawada	ISOL	DRY	DRY	DRY	ISOL
26. Vidharbha	ISOL	ISOL	ISOL	ISOL	ISOL
27. Chhattisgarh	SCT	SCT	FWS	FWS	FWS
28. Coastal Andhra Pradesh	WS	FWS	FWS	FWS	FWS
29. Telangana	FWS	SCT	SCT	FWS	FWS
30. Rayalaseema	FWS	FWS	FWS	SCT	FWS
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	SCT
32. Coastal Karnataka	WS	WS	WS	WS	FWS
33. North Interior Karnataka	WS	FWS	SCT	SCT	FWS
34. South Interior Karnataka	WS	FWS	FWS	SCT	FWS
35. Kerala	FWS	FWS	SCT	SCT	FWS
36. Lakshadweep	FWS	FWS	SCT	SCT	SCT

% Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Many 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 28.09.2017)

- **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 103.43 BCM from the previous week's level of 96.96 BCM. Current storage is lower than the last year's position of 116.59 BCM and the average of last 10 year's storage of 119.02 BCM.

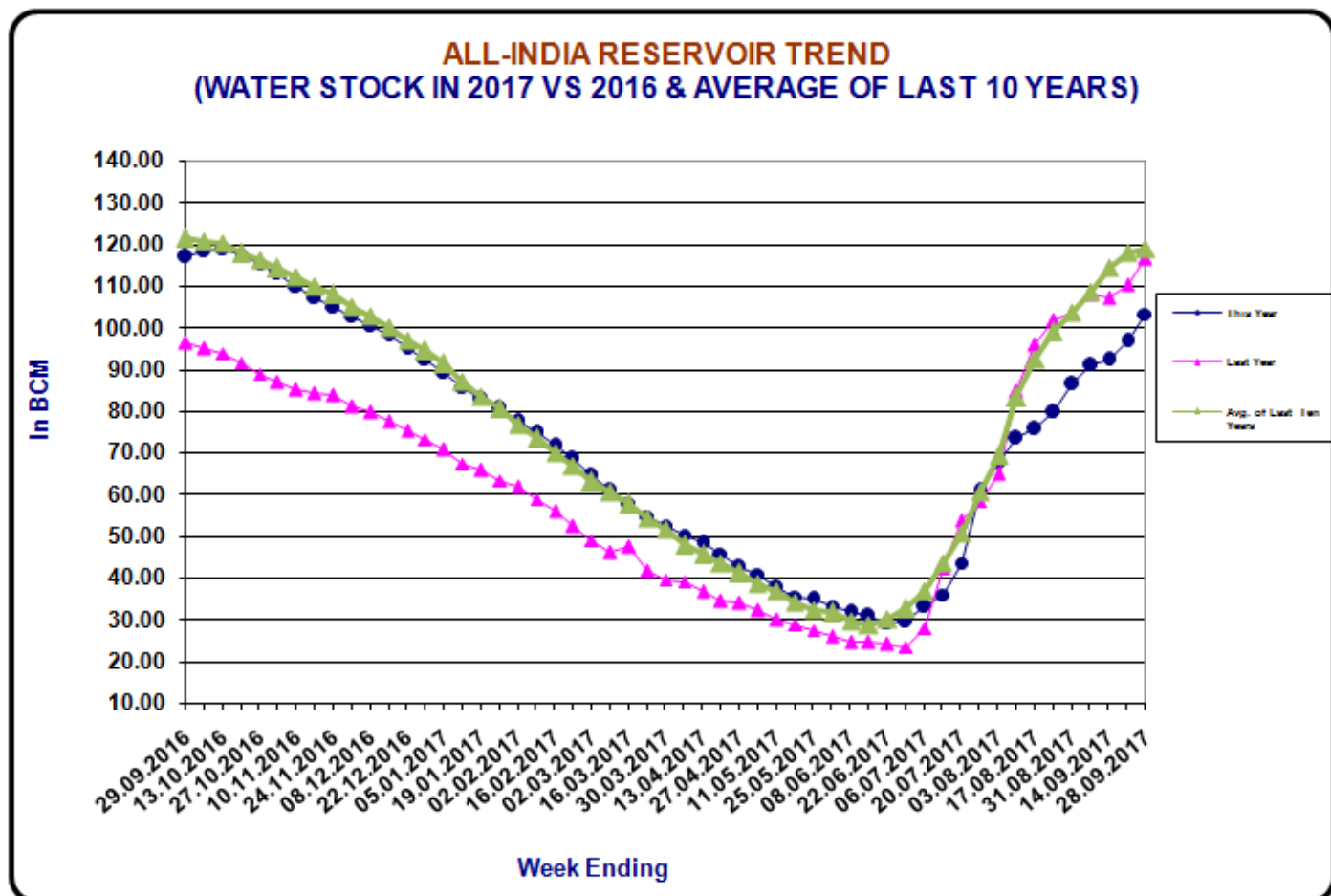
Table – 2.1 : For 91 major reservoirs of the country

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	66	89	87
Last Week	61	88	82

The percentage to live capacity at FRL was 74% on 28/09/2016, 61% on 28/09/2015, 79% on 28/09/2014 and 87% on 28/09/2013.

Source: CWC

There were 62 reservoirs having storage more than 80% of normal storage, 21 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 26.09.2017)

(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 26.09.2017	15330	5106	1900	4701	1962
Sales upto 26.09.2017	13674	3788	1610	3366	1652
Closing Stock upto 26.09.2017	1656	1318	290	1335	310

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	% of Normal for whole season	4th Advance Estimates 2016-17	
Rice	395.94	387.16	97.8	389.49	-2.3
Jowar	23.46	18.48	78.8	19.26	-0.8
Bajra	76.66	70.51	92.0	74.72	-4.2
Maize	73.30	77.45	105.7	80.98	-3.5
Total Coarse Cereals	192.06	183.52	95.6	191.26	-7.7
Total Cereals	588.01	570.69	97.1	580.75	-10.1
Tur	39.24	44.20	112.6	54.00	-9.8
Urad	24.79	36.12	145.7	34.88	1.2
Moong	23.41	32.33	138.1	33.20	-0.9
Others	15.74	20.20	128.3	21.37	-1.2
Total Pulses	105.58	132.84	125.8	143.44	-10.6
Total Foodgrains	693.59	703.53	101.4	724.19	-20.7
Groundnut	41.49	41.92	101.0	45.72	-3.8
Soyabean	110.36	105.60	95.7	113.16	-7.6
Sunflower	2.29	1.59	69.5	1.66	-0.1
Sesamum	17.97	14.88	82.8	17.14	-2.3
Nigerseed	2.92	2.67	91.5	2.54	0.1
Castorseed	11.84	7.59	64.2	8.30	-0.7
Total Oilseeds	186.86	174.24	93.24	188.52	-14.3
Cotton	122.45	122.35	99.9	108.45	13.9
Sugarcane	50.05	46.69	93.3	43.89	2.8
Jute & Mesta	8.39	7.35	87.6	7.66	-0.3
All- Crops	1061.34	1054.16	99.3	1072.71	-18.5

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.

6. Progressive procurement of Rice as on 29.09.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 29.09.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.25	43.26
Telangana	30.00	35.95	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	381.05	341.68

7. Progressive procurement of Wheat as on 29.09.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 29.09.2017	
		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