

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: 04.12.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 01.12.2017.

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (23rd November, 2017 – 29th November, 2017) has been 67% 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, 95% in Central India, 64% in East & North East India and 42% in South Peninsula.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 29th November, 2017 has been 13% 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 19% in East & North East India and lower than LPA by 90% in North West India, 12% in South Peninsula and 06% in Central India.*
- *Out of 36 met sub-divisions, 06 met subdivisions constituting 17% of the total area of the country has received large excess/ excess rainfall, 13 met subdivisions constituting 29% of the total area of the country has received normal rainfall, 17 met sub-divisions constituting 54% of the total area of the country has received deficient/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 30th November, 2017 has been 98.58 BCM as against 103.10 BCM on 30.11.2016 (last year) and 103.73 BCM of normal (average of the last 10 years) storage. Current year's storage is 96% of last year's storage and 95% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 01.12.2017 for 2017-18 was 176.95 lakh tonnes against the procurement of 159.16 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.*

1. **Post-monsoon Season (October – December) during the week ending 29th November, 2017**

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

- **Rainfall during the week (23rd November, 2017 to 29th November, 2017)** Rainfall was large excess/excess in 02 subdivisions, normal in 04, deficient/large deficient in 10 subdivisions and no rain in 20 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st October, 2017 to 29th November, 2017)** Rainfall was large excess/excess in 06, normal in 13, deficient/large deficient in 17 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (29.11.2017)				Cumulative (01.10.17 to 29.11.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.0	3.8	-99	LD	4.0	42.1	-90	LD
Central India	0.2	3.2	-95	LD	68.8	73.1	-6	N
South Peninsular India	7.4	12.6	-42	D	211.8	239.6	-12	N
East & North-East India	1.9	5.4	-64	LD	187.1	157.3	19	N
Country as a whole	1.8	5.6	-67	LD	95.9	110.0	-13	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 29th Nov., 2017

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	28 NOV 2012	27 NOV 2013	26 NOV 2014	02 DEC 2015	30 NOV 2016	29 NOV 2017
Large Excess	-	-	-	-	03	01
Excess	03	18	02	06	01	05
Normal	12	08	09	05	10	13
Total	15	26	11	11	14	19
Deficient	08	10	10	07	14	06
Large Deficient	-	-	-	-	08	11
Scanty	13	00	15	18	-	-
No rain	00	00	00	00	00	00
Total	21	10	25	25	22	17
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 19%	32%	(-) 32%	(-) 23%	(-) 44%	(-) 13%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 01st Dec. to 05th Dec., 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	23 NOV	24 NOV	25 NOV	26 NOV	27 NOV	28 NOV	29 NOV
1	ANDAMAN & NICO.ISLANDS	SCT	FWS	FWS	FWS	SCT	FWS	SCT
2	ARUNACHAL PRADESH	ISOL	ISOL	DRY	DRY	ISOL	FWS	ISOL
3	ASSAM & MEGHALAYA	DRY	DRY	DRY	DRY	ISOL	SCT	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	DRY	DRY	DRY	DRY	ISOL	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY	DRY	DRY	DRY	DRY	SCT	SCT
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	DRY
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	DRY	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	ISOL
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	DRY	ISOL	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	DRY	ISOL	ISOL	DRY
29	TELANGANA	SCT	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	FWS	FWS	ISOL
32	COASTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INT.KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INT.KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	ISOL
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	SCT	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 $1\frac{1}{2}$- 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	01-Dec Today	02Dec Sat	03Dec Sun	04Dec Mon	05Dec Tue
1. Andaman & Nicobar Islands	WS	WS	FWS	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	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL
22. Saurashtra & Kutch	DRY	DRY	DRY	ISOL	ISOL
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	DRY	DRY	DRY	ISOL	ISOL
29. Telangana	DRY	DRY	DRY	DRY	ISOL
30. Rayalaseema	DRY	DRY	DRY	ISOL	SCT
31. Tamilnadu & Puducherry	FWS	SCT	SCT	SCT	SCT
32. Coastal Karnataka	ISOL	ISOL	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	ISOL	ISOL	DRY	DRY	ISOL
35. Kerala	FWS	SCT	SCT	ISOL	ISOL
36. Lakshadweep	WS	FWS	SCT	ISOL	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		

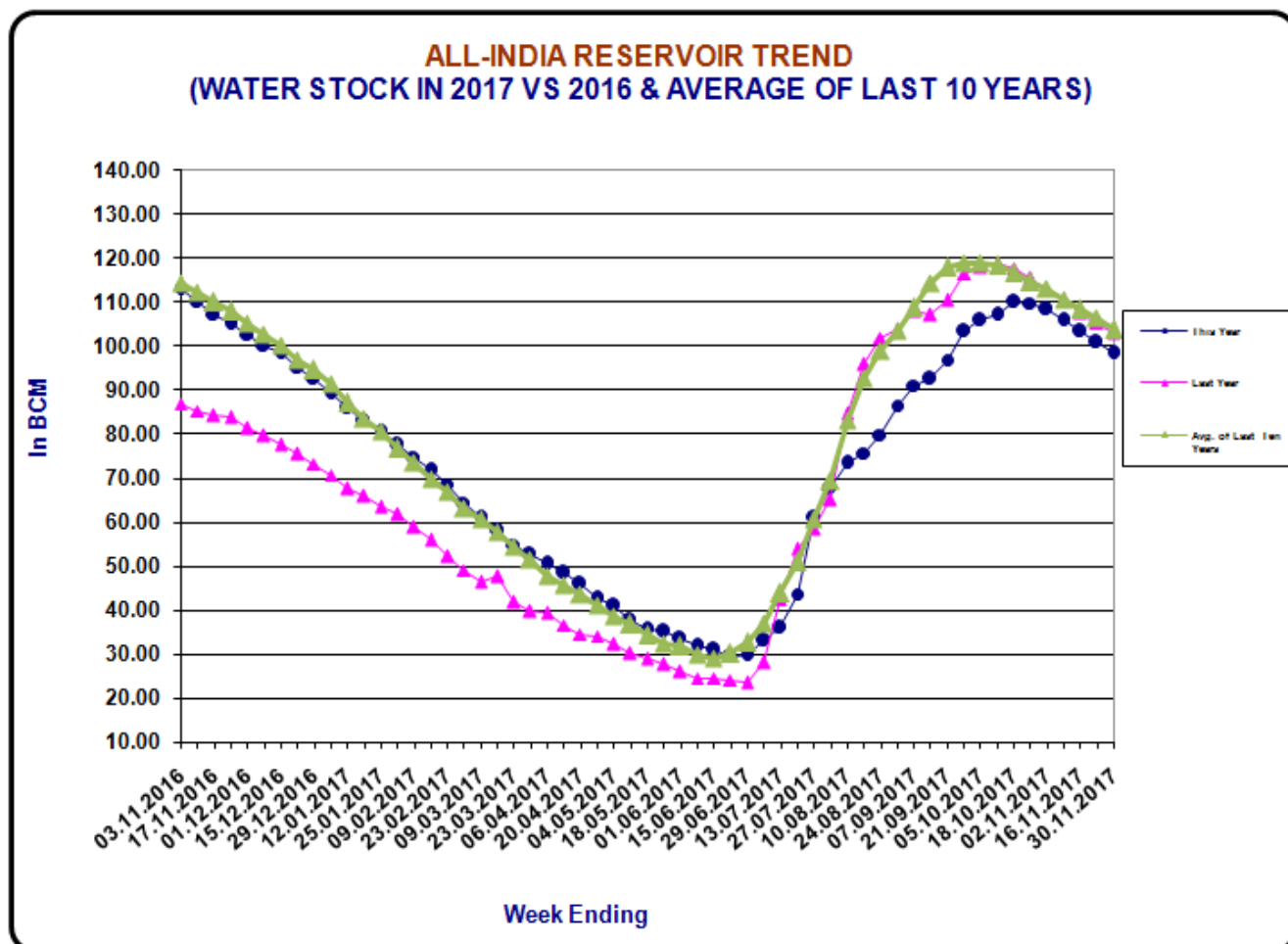
2. Reservoir Status (For the week ending on 30.11.2017)

- **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 98.58 BCM from the previous week's level of 101.09 BCM. Current storage is lower than the last year's position of 103.10 BCM and the average of last 10 year's storage of 103.73 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	62	96	95
Last Week	64	96	95
The percentage to live capacity at FRL was 65% on 30/11/2016, 52% on 30/11/2015, 66% on 30/11/2014 and 77% on 30/11/2013.			
<i>Source: CWC</i>			

There were 66 reservoirs having storage more than 80% of normal storage, 16 reservoirs having storage between 50% to 80%, 07 reservoir having storage between 30% to 50%, 02 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 Rabi 2017 (As on 01.12.2017)

(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 November, 2017	3209	1397	379	978	625
Availability upto 01.12.2017	6106	3173	843	2682	1042
Sales upto 01.12.2017	4646	2538	538	1421	736
Closing Stock upto 01.12.2017	1461	635	305	1262	306

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

4. Pest & Diseases:

- Incidence of Army worm in paddy crop is Low to Medium intensity in Ramnagra, Mandya and Mysore districts in Karnataka. Army worm incidence is reported to be Severe in rice crop at Shikaripura, Shivamogga, Sagar and Bhadravathi.
- Incidence of Diamond back moth on cabbage & cauliflower to be at Traces to Moderate, Spodoptera at Traces to High and Weed Tephrosia spp. in the field to be at Traces to High at Bargarh district of Odisha state.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.
- Availability position of seeds and fertilizers has been found satisfactory.

5: All India Crop Situation

Table: 5.1

All India Crop Situation - Rabi (2017-18) as on 01-12-2017						(Area in lakh hectares)
Crop Name	Normal Area	Area sown			Absolute Change over (+/-)	% Change over
		This Year	% of Normal	Last Year	Last Year	Last Year
Wheat	304.43	156.80	51.5	169.57	-12.8	-7.5
Rice	41.07	10.56	25.7	7.83	2.7	34.9
Jowar	37.52	26.88	71.6	26.55	0.3	1.2
Maize	15.73	8.54	54.3	7.78	0.8	9.8
Barley	6.62	5.18	78.3	5.20	0.0	-0.4
Total Coarse Cereals	59.87	41.24	68.9	39.73	1.5	3.8
Total Cereals	405.37	208.60	51.5	217.13	-8.5	-3.9
Gram	86.80	84.37	97.2	78.26	6.1	7.8
Lentil	14.14	13.55	95.8	12.62	0.9	7.4
Peas	8.72	7.19	82.5	7.63	-0.4	-5.7
Kulthi(Horse Gram)	2.20	3.33	151.6	2.52	0.8	32.3
Urad	7.85	2.54	32.4	2.45	0.1	3.6
Moong	9.26	0.89	9.6	1.02	-0.1	-12.8
Lathyrus	4.70	2.63	56.0	2.74	-0.1	-4.0
Others	3.55	3.31	93.3	3.43	-0.1	-3.6
Total Pulses	137.22	117.83	85.9	110.68	7.1	6.5
Total Foodgrains	542.59	326.43	60.2	327.81	-1.4	-0.4
Rapeseed & Mustard	60.89	55.51	91.2	61.34	-5.8	-9.5
Groundnut	8.22	3.02	36.7	2.63	0.4	14.9
Safflower	1.83	0.58	31.5	0.61	0.0	-6.2
Sunflower	4.33	1.19	27.4	1.02	0.2	15.8
Sesamum	2.97	0.19	6.5	0.18	0.0	10.3
Linseed	2.92	2.75	94.2	2.04	0.7	35.1
Total Oilseeds (Nine)	81.17	63.41	78.1	68.15	-4.7	-7.0
All- Crops	623.76	389.83	62.5	395.96	-6.1	-1.5

Source: Crops & TMOP Divisions, DAC&FW

6. Progressive procurement of Rice as on 01.12.2017 (lakh tonnes)

Table: 6.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 01.12.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	1.85	1.44
Telangana	15.00	7.97	5.69
Bihar	12.00	-	-
Chhattisgarh	48.00	-	-
Haryana	30.00	39.67	35.68
Kerala	1.00	0.68	0.97
Madhya Pradesh	13.00	0.88	0.84
Maharashtra	4.00	0.35	0.45
Odisha	30.00	-	-
Punjab	115.00	117.62	110.08
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	7.45	1.99
Uttrakhand	7.00	0.26	1.75
West Bengal	23.00	-	-
All-India	375.00	176.95	159.16

7. Progressive procurement of Wheat as on 01.12.2017 (lakh tonnes)

Table: 7.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 01.12.2017	
		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