

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: 02.01.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
29.12.2017.**

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (21st December, 2017 – 27th December, 2017) has been 89% 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 East & North East India, 86% in North West India and 89% in South Peninsula and equal to LPA in Central India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 27th December, 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 19% in East & North East India but lower than LPA by 53% in North West India, 10% in South Peninsula and 09% in Central India.*
- *Out of 36 met sub-divisions, 06 met subdivisions constituting 15% of the total area of the country has received large excess/ excess rainfall, 13 met subdivisions constituting 26% of the total area of the country has received normal rainfall, 17 met sub-divisions constituting 59% 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 161.99 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 120.44 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 28th December, 2017 has been 87.66 BCM as against 92.58 BCM on 28.12.2016 (last year) and 93.40 BCM of normal (average of the last 10 years) storage. Current year's storage is 95% of last year's storage and 94% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 29.12.2017 for 2017-18 was 239.37 lakh tonnes against the procurement of 217.21 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 27th December, 2017**

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

- **Rainfall during the week (21st December, 2017 to 27th December, 2017)** Rainfall was large deficient in 07 subdivisions and no rain in 29 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st October, 2017 to 27th December, 2017)** Rainfall was large excess/excess in 06, normal in 13 and 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 (27.12.2017)				Cumulative (01.10.17 to 27.12.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	1.0	6.8	-86	LD	27.5	58.4	-53	D
Central India	0.0	0.9	-100	NR	72.3	79.1	-9	N
South Peninsular India	0.5	4.2	-89	LD	242.8	271.2	-10	N
East & North-East India	0.0	3.2	-99	LD	200.9	169.4	19	N
Country as a whole	0.4	3.6	-89	LD	112.5	124.9	-10	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 27th Dec., 2017

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	26 DEC 2012	25 DEC 2013	24 DEC 2014	30 DEC 2015	28 DEC 2016	27 DEC 2017
Large Excess	-	-	-	-	03	01
Excess	02	17	02	05	01	05
Normal	14	06	11	05	06	13
Total	16	23	13	10	10	19
Deficient	08	12	12	09	13	08
Large Deficient	-	-	-	-	13	09
Scanty	12	01	11	17	-	-
No rain	00	00	00	00	00	00
Total	20	13	23	26	26	17
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 19%	21%	(-) 30%	(-) 20%	(-) 43%	(-) 10%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 29th Dec. to 02nd Jan., 2018 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	21 DEC	22 DEC	23 DEC	24 DEC	25 DEC	26 DEC	27 DEC
1	ANDAMAN & NICO.ISLANDS	DRY	DRY	DRY	DRY	ISOL	DRY	SCT
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEGHALAYA	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
4	NAGA.MANI.MIZO.& TRIPURA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY	DRY	DRY	DRY	DRY	DRY	DRY
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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU & KASHMIR	FWS	SCT	DRY	DRY	ISOL	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	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	DRY	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	DRY	DRY	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	SCT	ISOL	DRY	ISOL	ISOL	DRY
32	COASTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INT.KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INT.KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA	DRY	ISOL	DRY	ISOL	DRY	DRY	DRY
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY
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	29-Dec Today	30Dec Sat	31Dec Sun	01Jan Mon	02Jan Tue
1. Andaman & Nicobar Islands	FWS	FWS	WS	WS	WS
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	ISOL
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	ISOL	DRY	DRY	DRY	DRY
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	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
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	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	DRY	DRY	DRY
32. Coastal Karnataka	DRY	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	DRY	DRY
35. Kerala	DRY	DRY	DRY	DRY	DRY
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

% 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		

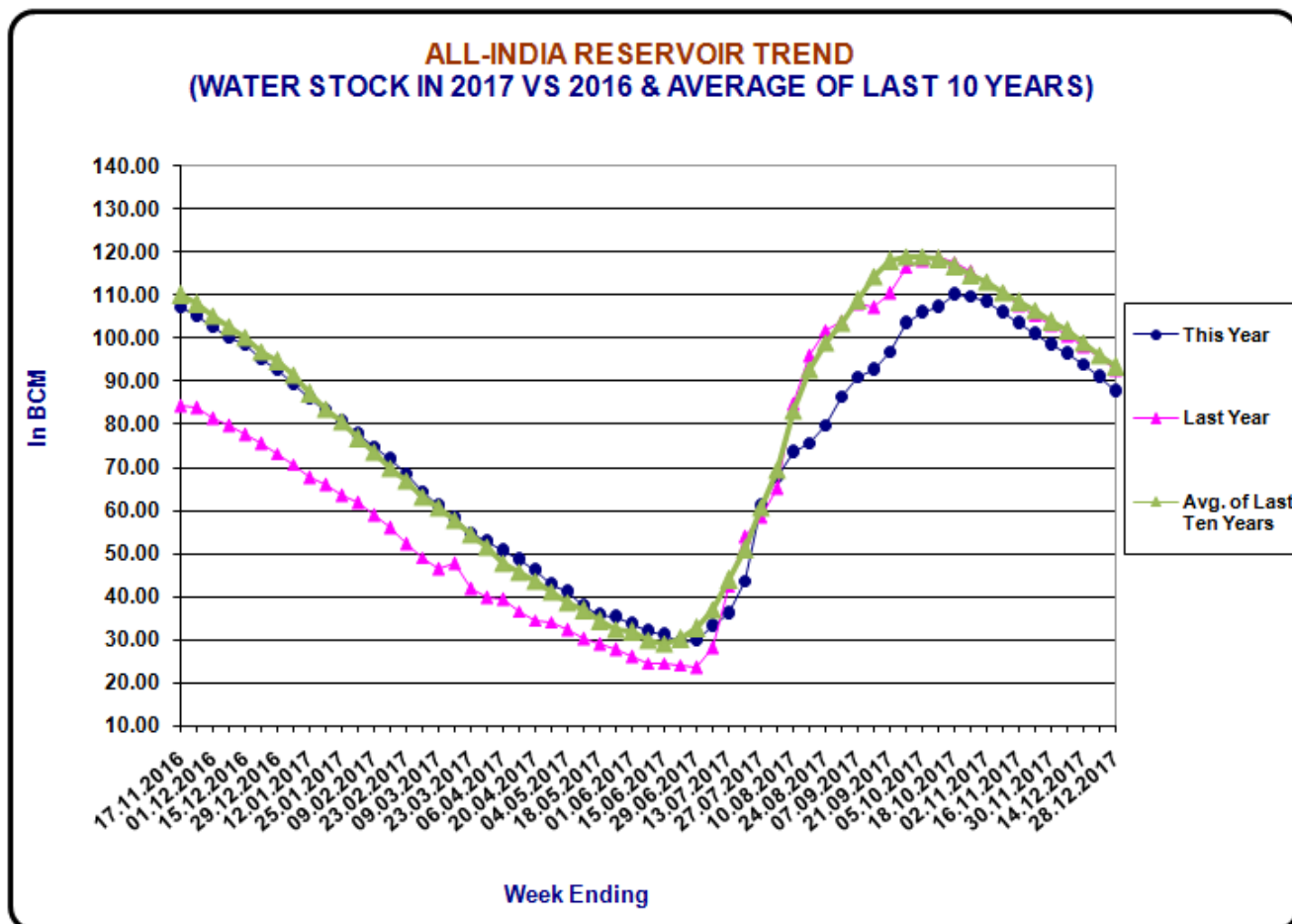
2. Reservoir Status (For the week ending on 28.12.2017)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **161.99** billion cubic meters (BCM), which is about 63% of total reservoir capacity of 257.81 BCM in the country.
- Water stock in 91 major reservoirs decreased to 87.66 BCM from the previous week's level of 90.85 BCM. Current storage is lower than the last year's position of 92.58 BCM and the average of last 10 year's storage of 93.40 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	54	95	94
Last Week	58	95	95
The percentage to live capacity at FRL was 57% on 28/12/2016, 45% on 28/12/2015, 57% on 28/12/2014 and 67% on 28/12/2013.			
<i>Source: CWC</i>			

There were 64 reservoirs having storage more than 80% of normal storage, 18 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

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 29.12.2017)

(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 December, 2017	3403	903	306	964	533
Availability upto 29.12.2017	8906	3634	1076	3375	1304
Sales upto 29.12.2017	7894	3144	792	2106	989
Closing Stock upto 29.12.2017	1012	490	284	1269	315

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

4. Pest & Diseases:

- CIPMC-Jammu reported Aphid incidence in Mustard (Torla) at Trace to Moderate intensity in Kathua district of Jammu & Kashmir. The crop stage is vegetative to flowering.
- CIPMC-Nagpur reported Pink Bollworm incidence in Cotton to be above ETL in Nagpur and Amravati district of Maharashtra. The crop stage is at last picking and termination. Incidence of Fruit and Shoot borer in Brinjal at Low to Moderate at Nagpur, Bhandara, Amravati, Akola, Yavatmal districts of Maharashtra. The crop is at vegetative to fruiting stage.
- CIPMC-Nagpur reported Spotted pod borer incidence in Tur (Red gram) to be above ETL in Nagpur and Amravati district of Maharashtra. The crop stage is pod development.
- CIPMC-Lucknow reported Scale insect incidence in Mango orchard at Moderate to Severe and Gummosis disease at Low to Moderate intensity at Pratapgarh district of Uttar Pradesh.
- CIPMC-Lucknow reported Panama wilt and *Erwinia* rot at Low to Moderate intensity and Sigatoka disease at Moderate to Severe in Banana crop at Faizabad district of Uttar Pradesh. The crop is at vegetative to fruiting stage. An advisory has been issued.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. Availability position of seeds and fertilizers has been found satisfactory

6: All India Crop Situation

Table: 6.1

All India Crop Situation - Rabi (2017-18) as on 29-12-2017						(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	273.85	90.0	290.74	-16.9	-5.8
Rice	41.07	16.33	39.8	11.55	4.8	41.4
Jowar	37.52	29.20	77.8	30.56	-1.4	-4.5
Maize	15.73	13.57	86.3	13.15	0.4	3.2
Barley	6.62	7.12	107.6	7.18	-0.1	-0.8
Total Coarse Cereals	59.87	50.71	84.7	51.28	-0.6	-1.1
Total Cereals	405.37	340.89	84.1	353.57	-12.7	-3.6
Gram	86.80	101.88	117.4	89.26	12.6	14.1
Lentil	14.14	16.83	119.0	16.11	0.7	4.5
Peas	8.72	9.39	107.6	9.65	-0.3	-2.7
Kulthi(Horse Gram)	2.20	4.01	182.6	3.44	0.6	16.8
Urad	7.85	6.47	82.4	6.73	-0.3	-3.9
Moong	9.26	2.97	32.0	3.63	-0.7	-18.2
Lathyrus	4.70	3.75	79.8	4.05	-0.3	-7.4
Others	3.55	5.34	150.6	5.48	-0.1	-2.6
Total Pulses	137.22	150.63	109.8	138.34	12.3	8.9
Total Foodgrains	542.59	491.52	90.6	491.91	-0.4	-0.1
Rapeseed & Mustard	60.89	63.58	104.4	68.94	-5.4	-7.8
Groundnut	8.22	4.33	52.7	4.04	0.3	7.3
Safflower	1.83	0.72	39.4	0.97	-0.3	-26.0
Sunflower	4.33	1.39	32.1	1.31	0.1	6.2
Sesamum	5.13	0.32	6.3	0.39	-0.1	-17.9
Linseed	2.92	3.63	124.1	3.44	0.2	5.5
Others		0.30	#DIV/0!	0.48	-0.2	-37.5
Total Oilseeds (Nine)	83.32	74.27	89.1	79.56	-5.3	-6.7
All- Crops	625.91	565.79	90.4	571.47	-5.7	-1.0

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 29.12.2017 (lakh tonnes)

Table: 7.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 29.12.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	11.99	8.90
Telangana	15.00	11.30	9.54
Bihar	12.00	0.66	0.08
Chhattisgarh	48.00	23.37	29.18
Haryana	30.00	39.67	35.70
Kerala	1.00	0.91	1.23
Madhya Pradesh	13.00	7.24	7.38
Maharashtra	4.00	0.85	1.01
Odisha	30.00	6.64	4.68
Punjab	115.00	118.33	110.44
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	17.76	5.64
Uttrakhand	7.00	0.33	3.10
West Bengal	23.00	-	-
All-India	375.00	239.37	217.21

8.

8. Progressive procurement of Wheat as on 29.12.2017 (lakh tonnes)

Table: 8.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 29.12.2017	
		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