

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: 26.12.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 22.12.2017.

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (14th December, 2017 – 20th December, 2017) has been 79% 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 Central India, 98% in East & North East India, 77% in South Peninsula and 69% in North West India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 20th December, 2017 has been 08% 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 21% in East & North East India but lower than LPA by 49% in North West India, 09% in South Peninsula and 08% in Central India.*
- *Out of 36 met sub-divisions, 07 met subdivisions constituting 18% of the total area of the country has received large excess/ excess rainfall, 14 met subdivisions constituting 34% of the total area of the country has received normal rainfall, 15 met sub-divisions constituting 48% 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 21st December, 2017 has been 90.85 BCM as against 95.74 BCM on 21.12.2016 (last year) and 95.97 BCM of normal (average of the last 10 years) storage. Current year's storage is 95% each of last year's storage and average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 22.12.2017 for 2017-18 was 225.40 lakh tonnes against the procurement of 200.14 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 20th December, 2017**

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

- **Rainfall during the week (14th December, 2017 to 20th December, 2017)** Rainfall was large excess/excess in 01 subdivisions, deficient/large deficient in 11 subdivisions and no rain in 24 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st October, 2017 to 20th December, 2017)** Rainfall was large excess/excess in 07, normal in 14 and deficient/large deficient in 15 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (20.12.2017)				Cumulative (01.10.17 to 20.12.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	1.2	3.9	-69	LD	26.4	51.6	-49	D
Central India	0.0	1.0	-99	LD	72.3	78.2	-8	N
South Peninsular India	1.3	5.5	-77	LD	242.4	267.0	-9	N
East & North-East India	0.1	3.0	-98	LD	200.9	166.2	21	E
Country as a whole	0.6	3.0	-79	LD	112.1	121.3	-8	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 20th Dec., 2017

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	19 DEC 2012	18 DEC 2013	17 DEC 2014	23 DEC 2015	21 DEC 2016	20 DEC 2017
Large Excess	-	-	-	-	03	01
Excess	02	18	02	06	02	06
Normal	14	04	11	04	06	14
Total	16	22	13	10	11	21
Deficient	10	14	12	08	12	06
Large Deficient	-	-	-	-	13	09
Scanty	10	00	11	18	-	-
No rain	00	00	00	00	00	00
Total	20	14	23	26	25	15
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 19%	21%	(-) 30%	(-) 20%	(-) 43%	(-) 08%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 22nd Dec. to 26th 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	14 DEC	15 DEC	16 DEC	17 DEC	18 DEC	19 DEC	20 DEC
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	DRY	DRY	SCT	SCT	DRY
2	ARUNACHAL PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEGHALAYA	DRY	DRY	DRY	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	ISOL	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	ISOL	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	FWS	DRY	DRY	DRY	DRY	DRY	DRY
16	JAMMU & KASHMIR	FWS	ISOL	ISOL	DRY	DRY	DRY	FWS
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	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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	ISOL
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	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
35	KERALA	FWS	ISOL	ISOL	DRY	DRY	DRY	ISOL
36	LAKSHADWEEP	SCT	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	22-Dec Today	23Dec Sat	24Dec Sun	25Dec Mon	26Dec Tue
1. Andaman & Nicobar Islands	DRY	ISOL	FWS	FWS	FWS
2. Arunachal Pradesh	DRY	DRY	ISOL	ISOL	ISOL
3. Assam & Meghalaya	DRY	DRY	ISOL	ISOL	ISOL
4. N. M. M. & T.	DRY	DRY	DRY	ISOL	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	ISOL	ISOL	DRY	DRY
16. Jammu & Kashmir	DRY	ISOL	ISOL	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	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	ISOL	ISOL	ISOL	ISOL	ISOL
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		

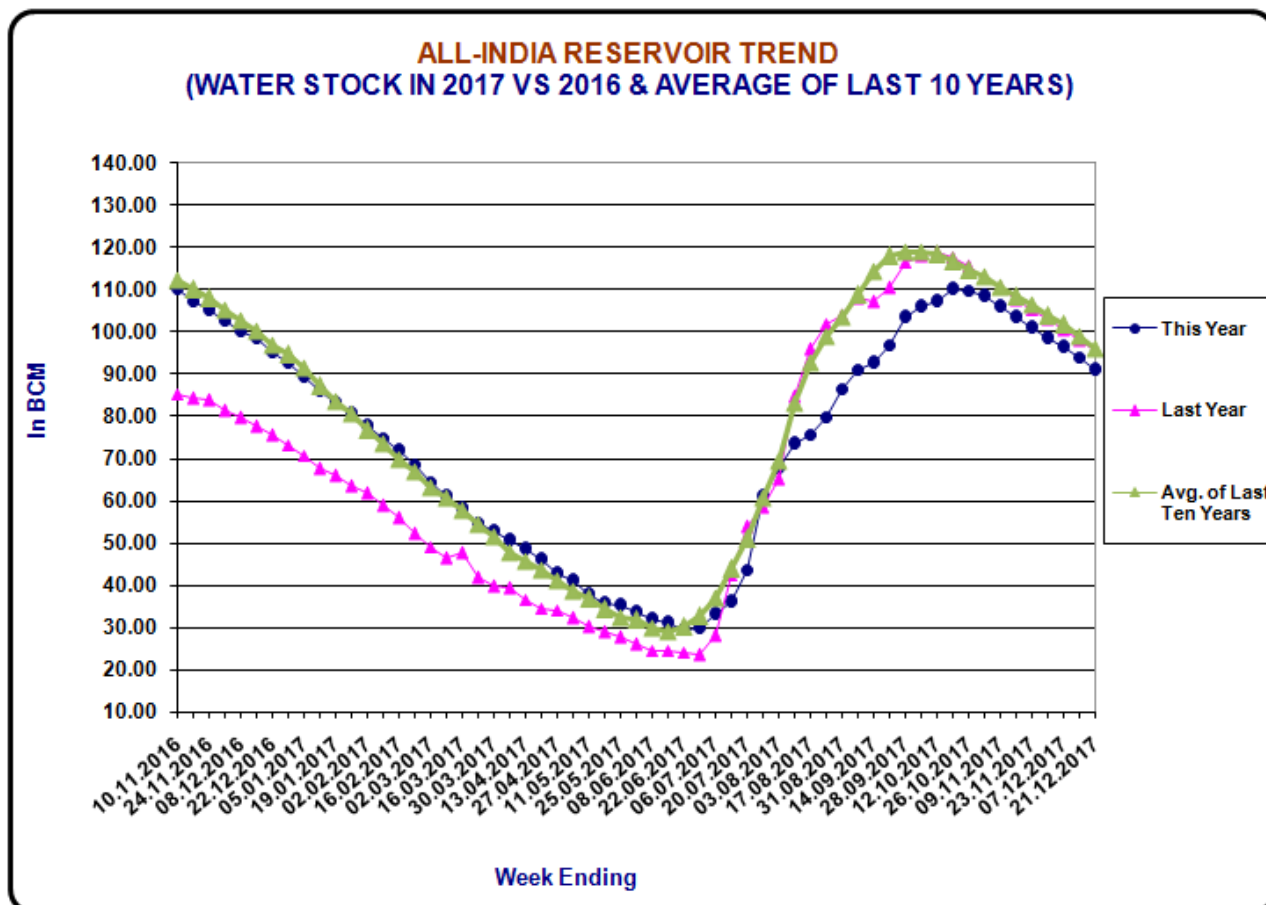
2. Reservoir Status (For the week ending on 21.12.2017)

- **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 90.85 BCM from the previous week's level of 94.05 BCM. Current storage is lower than the last year's position of 95.74 BCM and the average of last 10 year's storage of 95.97 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	56	95	95
Last Week	60	96	95
The percentage to live capacity at FRL was 59% on 21/12/2016, 47% on 21/12/2015, 60% on 21/12/2014 and 71% on 21/12/2013.			
<i>Source: CWC</i>			

There were 66 reservoirs having storage more than 80% of normal storage, 17 reservoirs having storage between 50% to 80%, 05 reservoir having storage between 30% to 50%, 03 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 21.12.2017)

(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 21.12.2017	8195	3526	1020	3184	1230
Sales upto 21.12.2017	7033	3020	709	1925	920
Closing Stock upto 21.12.2017	1162	505	311	1259	310

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

4. Pest & Diseases:

- CIPMC-Jammu reported Aphid incidence in Mustard (Toria) 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 about 20 districts of Maharashtra. The crop stage is last picking.
- 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.
- 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 22-12-2017						(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	262.74	86.3	272.62	-9.9	-3.6
Rice	41.07	14.78	36.0	10.31	4.5	43.4
Jowar	37.52	28.96	77.2	30.32	-1.4	-4.5
Maize	15.73	12.76	81.1	12.18	0.6	4.8
Barley	6.62	6.89	104.1	6.97	-0.1	-1.1
Total Coarse Cereals	59.87	49.41	82.5	49.84	-0.4	-0.9
Total Cereals	405.37	326.93	80.7	332.77	-5.8	-1.8
Gram	86.80	99.89	115.1	87.71	12.2	13.9
Lentil	14.14	16.57	117.2	15.90	0.7	4.2
Peas	8.72	9.01	103.2	9.42	-0.4	-4.4
Kulthi(Horse Gram)	2.20	3.92	178.3	3.30	0.6	18.8
Urad	7.85	5.77	73.5	5.61	0.2	2.9
Moong	9.26	2.31	25.0	2.99	-0.7	-22.6
Lathyrus	4.70	3.57	76.0	3.74	-0.2	-4.6
Others	3.55	5.02	141.7	5.27	-0.2	-4.7
Total Pulses	137.22	146.06	106.4	133.94	12.1	9.1
Total Foodgrains	542.59	472.99	87.2	466.71	6.3	1.3
Rapeseed & Mustard	60.89	62.80	103.1	68.22	-5.4	-7.9
Groundnut	8.22	4.14	50.3	3.75	0.4	10.3
Safflower	1.83	0.70	38.1	0.86	-0.2	-19.2
Sunflower	4.33	1.35	31.1	1.30	0.0	3.8
Sesamum	5.13	0.29	5.7	0.34	-0.1	-14.7
Linseed	2.92	3.48	119.1	3.34	0.1	4.3
Total Oilseeds (Nine)	83.32	73.03	87.6	78.27	-5.2	-6.7
All- Crops	625.91	546.02	87.2	544.97	1.1	0.2

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 22.12.2017 (lakh tonnes)

Table: 7.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 22.12.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	8.72	6.84
Telangana	15.00	10.77	8.83
Bihar	12.00	0.36	0.02
Chhattisgarh	48.00	18.86	23.20
Haryana	30.00	39.67	35.70
Kerala	1.00	0.89	1.20
Madhya Pradesh	13.00	5.57	5.45
Maharashtra	4.00	0.74	0.86
Odisha	30.00	5.69	0.56
Punjab	115.00	118.33	110.44
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	15.21	3.88
Uttrakhand	7.00	0.31	2.89
West Bengal	23.00	-	-
All-India	375.00	225.40	200.14

8. Progressive procurement of Wheat as on 22.12.2017 (lakh tonnes)

Table: 8.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 22.12.2017	
		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