

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: 15.01.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 12.01.2018.

Summary observations of the Group on Agenda Items

- *In the winter season, at All-India level, the rainfall during the week (04th January, 2018 – 10th January, 2018) has been 80% 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 98% in North West India, 44% in East & North East India, 13% in South Peninsula and 100% in Central India.*
- *The cumulative rainfall in the country during the winter monsoon season i.e. 01st January to 10th January, 2018 has been 81% 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% each in North West India & Central India, 33% in East & North East India and 29% in South Peninsula.*
- *Out of 36 met sub-divisions, 03 met subdivisions constituting 05% of the total area of the country has received large excess/ excess rainfall, 08 met sub-divisions constituting 24% of the total area of the country has received deficient/large deficient rainfall and 25 met sub-divisions constituting 71% of the total area of the country has received no rain.*
- *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 11th January, 2018 has been 80.48 BCM as against 86.26 BCM on 11.01.2017 (last year) and 86.61 BCM of normal (average of the last 10 years) storage. Current year's storage is 93% each of last year's storage and average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 12.01.2018 for 2017-18 was 266.36 lakh tonnes against the procurement of 243.22 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. **Winter Season (January – February) during the week ending 10th January, 2018**

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

- **Rainfall during the week (04th January, 2018 to 10th January, 2018)** Rainfall was large excess/excess in 02 subdivisions, deficient/large deficient in 07 subdivisions and no rain in 27 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st January, 2018 to 10th January, 2018)** Rainfall was large excess/excess in 03, deficient/large deficient in 08 sub-divisions and no rain in 25 subdivisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (10.01.2018)				Cumulative (01.01.18 to 10.01.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.1	6.8	-98	LD	0.1	9.5	-99	LD
Central India	0.0	1.7	-100	NR	0.0	2.5	-99	LD
South Peninsular India	1.8	2.1	-13	N	2.2	3.1	-29	D
East & North-East India	2.3	4.1	-44	D	3.5	5.3	-33	D
Country as a whole	0.8	3.8	-80	LD	1.0	5.3	-81	LD

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 Jan. to 10th Jan, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st January to					
	09 JAN 2013	08 JAN 2014	07 JAN 2015	13 JAN 2016	11 JAN 2017	10 JAN 2018
Large Excess	-	-	-	-	04	02
Excess	08	01	25	01	03	01
Normal	02	02	02	02	02	00
Total	10	03	27	03	09	03
Deficient	04	07	03	03	04	02
Large Deficient	-	-	-	-	12	06
Scanty	09	11	05	10	-	-
No rain	13	15	01	20	11	25
Total	26	33	09	33	27	33
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 73%	(-) 45%	197%	(-) 69%	31%	(-) 81%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 12th Jan. to 16th 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 -2018								
S.No.	MET.SUB-DIVISIONS	04 JAN	05 JAN	06 JAN	07 JAN	08 JAN	09 JAN	10 JAN
1	ANDAMAN & NICO.ISLANDS	WS	WS	WS	FWS	ISOL	D	D
2	ARUNACHAL PRADESH	ISOL	ISOL	SCT	SCT	SCT	D	D
3	ASSAM & MEGHALAYA	ISOL	D	ISOL	ISOL	D	D	D
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	D	D	D	D	D	D
5	SUB-HIM.W. BENG. & SIKKIM	D	D	D	D	D	D	D
6	GANGETIC WEST BENGAL	D	D	D	D	D	D	D
7	ODISHA	D	D	D	D	D	D	D
8	JHARKHAND	D	D	D	D	D	D	D
9	BIHAR	D	D	D	D	D	D	D
10	EAST UTTAR PRADESH	D	D	D	D	D	D	D
11	WEST UTTAR PRADESH	D	D	D	D	D	D	D
12	UTTARAKHAND	D	D	D	D	D	D	D
13	HARYANA CHD. & DELHI	D	D	D	D	D	D	D
14	PUNJAB	D	D	D	D	D	D	D
15	HIMACHAL PRADESH	D	ISOL	D	D	D	D	D
16	JAMMU & KASHMIR	D	ISOL	ISOL	ISOL	D	D	D
17	WEST RAJASTHAN	D	D	D	D	D	D	D
18	EAST RAJASTHAN	D	D	D	D	D	D	D
19	WEST MADHYA PRADESH	D	D	D	D	D	D	D
20	EAST MADHYA PRADESH	D	D	D	D	D	D	D
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	D	D
23	KONKAN & GOA	D	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	D	D	D	D	D	D	D
25	MARATHAWADA	D	D	D	D	D	D	D
26	VIDARBHA	D	D	D	D	D	D	D
27	CHHATTISGARH	D	D	D	D	D	D	D
28	COASTAL ANDHRA PRADESH	D	D	D	D	D	D	D
29	TELANGANA	D	D	D	D	D	D	D
30	RAYALASEEMA	D	D	D	D	D	D	D
31	TAMILNADU & PUDUCHERRY	ISOL	D	D	D	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	D	D	D	D	D	D	D
33	NORTH INT.KARNATAKA	D	D	D	D	D	D	D
34	SOUTH INT.KARNATAKA	D	D	D	D	D	D	D
35	KERALA	D	D	D	D	ISOL	D	ISOL
36	LAKSHADWEEP	D	D	D	SCT	SCT	D	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%)	D/DRY	NO STATION REPORTED RAINFALL			
* ACTIVE (R/F 1^{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	12-Jan Today	13Jan Sat	14Jan Sun	15Jan Mon	16Jan Tue
1. Andaman & Nicobar Islands	SCT	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	DRY	ISOL	ISOL	ISOL	ISOL
3. Assam & Meghalaya	DRY	DRY	DRY	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	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	DRY	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	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	ISOL	ISOL	DRY	DRY	DRY
36. Lakshadweep	SCT	SCT	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		

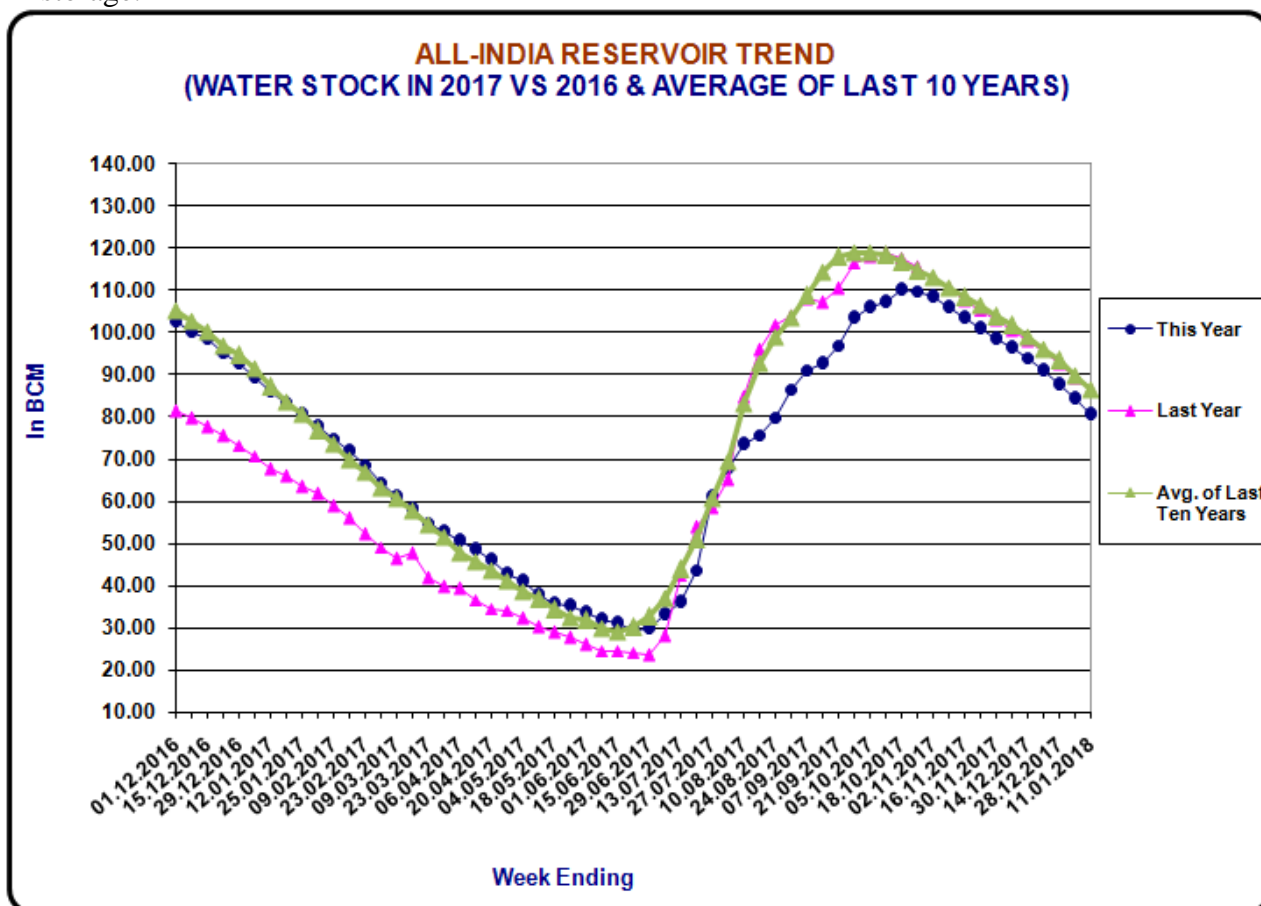
2. Reservoir Status (For the week ending on 11.01.2018)

- 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 80.48 BCM from the previous week's level of 84.24 BCM. Current storage is lower than the last year's position of 86.26 BCM and the average of last 10 year's storage of 86.61 BCM.

Table – 2.1 : For 91 major reservoirs of the country

<u>Period</u>	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	50	93	93
Last Week	53	94	94
The percentage to live capacity at FRL was 53% on 11/01/2017, 42% on 11/01/2016, 55% on 11/01/2015 and 64% on 11/01/2014.			
<i>Source: CWC</i>			

There were 60 reservoirs having storage more than 80% of normal storage, 21 reservoirs having storage between 50% to 80%, 05 reservoir having storage between 30% to 50%, 05 reservoirs having storage upto 30% of Normal Storage and 01 reservoir having no live 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 11.01.2018)

(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 January, 2018	2684	487	272	774	457
Availability upto 11.01.2018	10236	3811	1184	3726	1410
Sales upto 11.01.2018	9335	3322	867	2471	1115
Closing Stock upto 11.01.2018	901	489	316	1256	295

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

4. Pest & Diseases:

- CIPMC-Nagpur reported Pink Bollworm incidence in Cotton to be above ETL in Amravati district of Maharashtra. The crop stage is at last picking and termination.
- CIPMC-Nagpur reported Spotted pod borer incidence in Tur (Red gram) to be above ETL in Amravati district of Maharashtra. The crop stage is flowering to pod development.
- 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.
- CIPMC-Guwahati reported Swarming caterpillar incidence in Mustard crop at Trace to Moderate in isolated fields of Morigaon district of Assam.
- In other crops, overall intensity of pests and diseases remained below Economic Threshold Level (ETL).
- 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 12-01-2018							(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	295.53	97.1	309.99	-14.5	-4.7	
Rice	41.07	20.57	50.1	15.04	5.5	36.7	
Jowar	37.52	30.14	80.3	31.56	-1.4	-4.5	
Maize	15.73	15.26	97.0	14.84	0.4	2.8	
Barley	6.62	7.57	114.4	7.47	0.1	1.3	
Total Coarse Cereals	59.87	53.88	90.0	54.40	-0.5	-1.0	
Total Cereals	405.37	369.98	91.3	379.43	-9.5	-2.5	
Gram	86.80	105.62	121.7	97.90	7.7	7.9	
Lentil	14.14	17.19	121.6	17.16	0.0	0.2	
Peas	8.72	11.82	135.5	11.84	0.0	-0.2	
Kulthi(Horse Gram)	2.20	4.16	189.5	3.68	0.5	13.2	
Urad	7.85	7.51	95.6	8.28	-0.8	-9.3	
Moong	9.26	4.91	53.0	5.03	-0.1	-2.4	
Lathyrus	4.70	3.83	81.4	4.21	-0.4	-9.0	
Others	3.55	5.88	165.8	5.96	-0.1	-1.3	
Total Pulses	137.22	160.91	117.3	154.05	6.9	4.5	
Total Foodgrains	542.59	530.89	97.8	533.48	-2.6	-0.5	
Rapeseed & Mustard	60.89	66.38	109.0	69.90	-3.5	-5.0	
Groundnut	8.22	5.13	62.4	4.51	0.6	13.7	
Safflower	1.83	0.79	43.2	1.03	-0.2	-23.1	
Sunflower	4.33	1.59	36.6	1.46	0.1	8.6	
Sesamum	2.97	0.45	15.1	0.49	0.0	-9.3	
Linseed	2.92	3.95	135.3	3.71	0.2	6.6	
Total Oilseeds (Nine)	81.17	78.62	96.9	81.61	-3.0	-3.7	
All- Crops	623.76	609.51	97.7	615.09	-5.6	-0.9	

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 12.01.2018 (lakh tonnes)

Table: 7.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 12.01.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	16.13	13.42
Telangana	15.00	11.99	10.47
Bihar	12.00	1.53	0.63
Chhattisgarh	48.00	31.45	37.25
Haryana	30.00	39.67	35.70
Kerala	1.00	0.93	1.25
Madhya Pradesh	13.00	10.04	11.10
Maharashtra	4.00	1.11	1.43
Odisha	30.00	11.86	8.07
Punjab	115.00	118.33	110.44
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	22.44	9.08
Uttarakhand	7.00	0.34	3.64
West Bengal	23.00	0.03	0.39
All-India	375.00	266.36	243.22

8. Progressive procurement of Wheat as on 12.01.2018 (lakh tonnes)

Table: 8.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 12.01.2018	
		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