

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: 13.02.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 09.02.2018.

Summary observations of the Group on Agenda Items

- *In the winter season, at All-India level, the rainfall during the week (01st February, 2018 – 07th February, 2018) has been 87% 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, 92% in North West India, 74% in East & North East India and 60% in South Peninsula.*
- *The cumulative rainfall in the country during the winter monsoon season i.e. 01st January to 07th February, 2018 has been 85% 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, 91% in North West India, 69% in East & North East India and 55% in South Peninsula.*
- *Out of 36 met sub-divisions, 01 met subdivisions constituting 0% of the total area of the country has received large excess/ excess rainfall, 20 met sub-divisions constituting 61% of the total area of the country has received deficient/large deficient rainfall and 15 met sub-divisions constituting 39% 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 08th February, 2018 has been 66.73 BCM as against 75.28 BCM on 08.02.2017 (last year) and 73.32 BCM of normal (average of the last 10 years) storage. Current year's storage is 89% of last year's storage and also 91% of average of last 10 year's storage.*
- *As per latest information available on sowing of Rabi crops, around 103% of the normal area under Rabi crops has been sown upto 09.02.2018. Area sown under all Rabi crops taken together has been reported 642.88 lakh hectares at All India level as compared to 648.19 lakh hectares in the corresponding period of last year.*
- *As compared to last year, total area coverage this year is higher by 4.6 lakh ha. under Rice, 8.1 lakh ha. under Gram and 1.0 lakh ha. under Moong. Area is lower by 13.6 lakh ha. under Wheat, 1.2 lakh ha. under Jowar and 3.7 lakh ha. under Rapeseed & Mustard.*

- *All-India progressive procurement of Rice as on 09.02.2018 for 2017-18 was 289.75 lakh tonnes against the procurement of 279.28 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.*

Winter Season (January – February) during the week ending 07th February, 2018

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

- **Rainfall during the week (01st February, 2018 to 07th February, 2018)** Rainfall was large excess/excess in 01 met sub-division, normal in 01 sub-division, deficient/large deficient in 10 subdivisions and no rain in 24 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st January, 2018 to 07th February, 2018)** Rainfall was large excess/excess in 01, deficient/large deficient in 20 sub-divisions and no rain in 15 subdivisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (07.02.2018))				Cumulative (01.01.18 to 07.02.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.6	8.1	-92	LD	4.0	45.0	-91	LD
Central India	0.0	2.0	-99	LD	0.0	10.0	-99	LD
South Peninsular India	0.4	1.1	-60	LD	4.0	8.9	-55	D
East & North-East India	2.2	8.6	-74	LD	9.3	29.7	-69	LD
Country as a whole	0.6	4.8	-87	LD	3.5	24.0	-85	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 07th Feb., 2018

No. of Sub-Divisions with rainfall	For the period from 1 st January to					
	06 FEB 2013	05 FEB 2014	04 FEB 2015	10 FEB 2016	08 FEB 2017	07 FEB 2018
Large Excess	-	-	-	-	05	01
Excess	08	08	15	03	06	00
Normal	04	02	08	02	03	00
Total	12	10	23	05	14	01
Deficient	06	08	10	09	04	03
Large Deficient	-	-	-	-	12	17
Scanty	17	16	03	17	-	-
No rain	01	02	00	05	06	15
Total	24	26	13	31	22	35
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 9%	(-) 6%	(-) 2%	(-) 64%	29%	(-) 85%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 09th Feb. to 13th Feb., 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, Odisha, Goa and Gujarat.

South Peninsula - Andhra Pradesh & Telangana, Karnataka, Tamil Nadu & Puducherry, Kerala, A & N islands and Lakshadweep.

East & North East India - Bihar, Jharkhand, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram and Tripura.

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2018								
S.No.	MET.SUB-DIVISIONS	01 FEB	02 FEB	03 FEB	04 FEB	05 FEB	06 FEB	07 FEB
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	ISOL	SCT	SCT	SCT	D
2	ARUNACHAL PRADESH	D	ISOL	WS	WS	FWS	ISOL	ISOL
3	ASSAM & MEGHALAYA	D	D	ISOL	ISOL	SCT	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	D	D	D	D	D	D	D
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	D	D	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL
13	HARYANA CHD. & DELHI	D	D	D	D	D	D	D
14	PUNJAB	D	D	D	D	D	D	D
15	HIMACHAL PRADESH	D	D	D	D	D	ISOL	D
16	JAMMU & KASHMIR	FWS	ISOL	D	D	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	ISOL
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	ISOL
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	D	D	D	D	D	ISOL	ISOL
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	D	D	SCT
36	LAKSHADWEEP	D	D	D	D	D	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 $1\frac{1}{2}$- 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	09-Feb Today	10Feb Sat	11Feb Sun	12Feb Mon	13Feb Tue
1. Andaman & Nicobar Islands	DRY	DRY	DRY	ISOL	ISOL
2. Arunachal Pradesh	FWS	ISOL	ISOL	ISOL	ISOL
3. Assam & Meghalaya	ISOL	DRY	DRY	DRY	DRY
4. N. M. M. & T.	ISOL	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	DRY	DRY	DRY	DRY	DRY
6. Gangetic West Bengal	DRY	DRY	DRY	ISOL	ISOL
7. Odisha	DRY	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	DRY	DRY	ISOL	ISOL	ISOL
9. Bihar	DRY	DRY	DRY	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	ISOL	FWS	FWS
11. West Uttar Pradesh	DRY	DRY	ISOL	SCT	SCT
12. Uttarakhand	DRY	ISOL	SCT	FWS	FWS
13. Haryana, Chd & Delhi	DRY	DRY	ISOL	SCT	SCT
14. Punjab	DRY	DRY	ISOL	SCT	SCT
15. Himachal Pradesh	DRY	ISOL	FWS	WS	WS
16. Jammu & Kashmir	ISOL	SCT	FWS	WS	WS
17. West Rajsthan	DRY	DRY	ISOL	ISOL	ISOL
18. East Rajasthan	DRY	DRY	ISOL	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	ISOL	SCT	SCT
20. East Madhya Pradesh	DRY	DRY	SCT	FWS	FWS
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	ISOL	ISOL	ISOL
25. Marathawada	DRY	DRY	ISOL	SCT	SCT
26. Vidharbha	DRY	ISOL	ISOL	FWS	FWS
27. Chhattisgarh	DRY	ISOL	ISOL	SCT	SCT
28. Coastal Andhra Pradesh	DRY	DRY	DRY	DRY	DRY
29. Telangana	DRY	ISOL	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL
34. South Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
35. Kerala	ISOL	ISOL	ISOL	ISOL	ISOL
36. Lakshadweep	ISOL	ISOL	DRY	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		

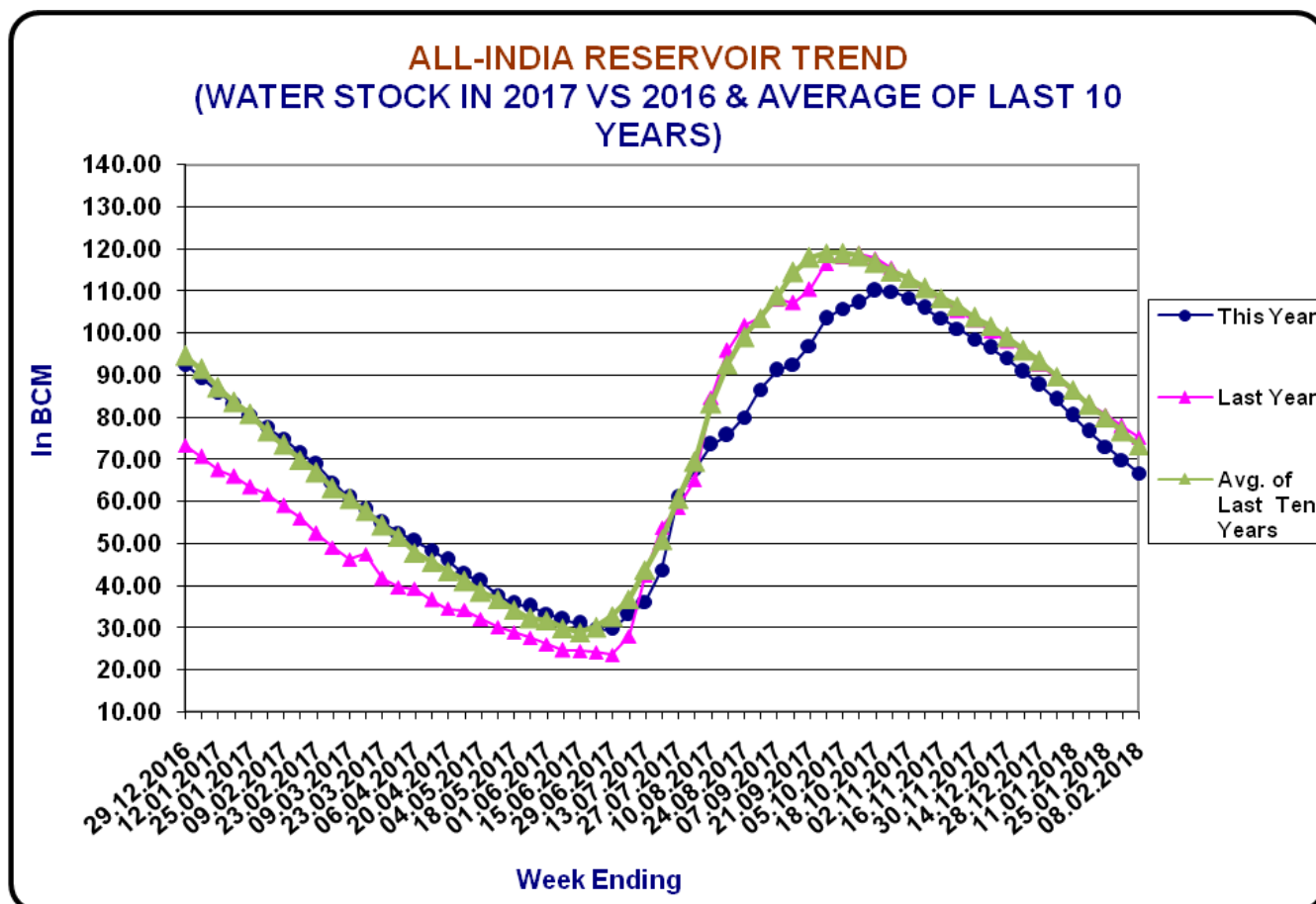
2. Reservoir Status (For the week ending on 08.02.2018)

- **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 66.73 BCM from the previous week's level of 69.89 BCM. Current storage is lower than the last year's position of 75.28 BCM and the average of last 10 year's storage of 73.32 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	41	89	91
Last Week	44	90	91
The percentage to live capacity at FRL was 46% on 08/02/2017, 36% on 08/02/2016, 48% on 05/02/2015 and 57% on 06/02/2014.			
<i>Source: CWC</i>			

There were 57 reservoirs having storage more than 80% of normal storage, 22 reservoirs having storage between 50% to 80%, 05 reservoir having storage between 30% to 50%, 07 reservoirs having storage upto 30% of Normal Storage and 02 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 2018 (As on 08.02.2018)

(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 for February, 2018	1746	441	215	747	376
Availability upto 08.02.2018	12623	4131	1433	4457	1688
Sales upto 08.02.2018	11899	3664	1062	3382	1391
Closing Stock upto 08.02.2018	724	467	371	1074	297

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

4. Pest & Diseases:

- Incidence of Rugose Spiraling whitefly in Coconut at Low to Medium level at Mandya, Dakshina Kannada and Udupi districts of Karnataka.
- Incidence of Black headed caterpillar in coconut at Low to Medium level at Malavalli and Upnahalli villages of Mandya district of Karnataka.
- Infestation of Yellow rust and Powdery mildew disease in Wheat variety HD 2967 at Low to Moderate intensity in Daroli and Belaram Garh village (Anandpur Sahib Block) in Ropar district of Punjab, area infested about 1.5 and 2 acres in 3-5 spots.
- Infestation of Yellow rust disease in wheat at trace intensity in village Chhaproh (Block Bangana) Una district of Himachal Pradesh, area infested about 1 acre in small patches.
- Infestation of Panama wilt and Sigatoka Leaf spot in Banana crop in village Maksoomganj and Magalsi (block Sohawal) district Faizabad of Uttarpradesh, area infested about 30 acre in small patches Advisory on Panama wilt has been already issued.
- Infestation Dry root rot disease in Chickpea at Low to Moderate intensity in Kotekallur and Shahpur village in Nanded district of Maharashtra
- Incidence of Pod borer in Chick Pea at above ETL at Nagpur, Bhandara, Amravati, Akola, Yavatmal districts of Maharashtra.
- Incidence of Whitefly in Chilli and Brinjal at above ETL at Nagpur and Bhandara districts of Maharashtra.
- 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 Rabi Crop Situation (2017-18) as on 09.02.2018 (Reconciled / Final)

						(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	304.29	100.0	317.88	-13.6	-4.3
Rice	41.07	31.89	77.7	27.32	4.6	16.7
Jowar	37.52	31.01	82.6	32.20	-1.2	-3.7
Maize	15.73	16.96	107.8	16.55	0.4	2.5
Barley	6.62	7.63	115.3	8.16	-0.5	-6.5
Total Coarse Cereals	59.87	56.73	94.8	57.54	-0.8	-1.4
Total Cereals	405.37	392.91	96.9	402.74	-9.8	-2.4
Gram	86.80	107.63	124.0	99.54	8.1	8.1
Lentil	14.14	17.36	122.7	17.30	0.1	0.3
Peas	8.72	11.92	136.6	11.97	-0.1	-0.5
Kulthi(Horse Gram)	2.20	4.27	194.1	3.78	0.5	12.9
Urad	7.85	9.44	120.2	9.93	-0.5	-4.9
Moong	9.26	8.31	89.7	7.34	1.0	13.3
Lathyrus	4.70	3.91	83.1	4.22	-0.3	-7.4
Others	3.55	6.28	177.0	6.53	-0.3	-3.9
Total Pulses	137.22	169.10	123.2	160.60	8.5	5.3
Total Foodgrains	542.59	562.01	103.6	563.34	-1.3	-0.2
Rapeseed & Mustard	60.89	66.88	109.8	70.60	-3.7	-5.3
Groundnut	8.22	6.39	77.7	6.36	0.0	0.4
Safflower	1.83	0.81	44.4	1.05	-0.2	-23.0
Sunflower	4.33	1.74	40.1	1.71	0.0	1.5
Sesamum	2.97	0.68	22.7	0.70	0.0	-3.4
Linseed	2.92	4.01	137.4	3.84	0.2	4.5
Total Oilseeds (Nine)	81.17	80.87	99.6	84.85	-4.0	-4.7
All- Crops	623.76	642.88	103.1	648.19	-5.3	-0.8

Source: Crops & TMOP Divisions, DAC&FW

7. **Progressive procurement of Rice as on 09.02.2018**

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 09.02.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	22.56	21.03
Telangana	15.00	12.24	10.99
Bihar	12.00	2.99	2.83
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	1.00	1.00	1.31
Madhya Pradesh	13.00	10.96	12.97
Maharashtra	4.00	1.40	2.00
Odisha	30.00	19.37	16.29
Punjab	115.00	118.33	110.52
Tamil Nadu	10.00	0.37	0.16
Uttar Pradesh	37.00	27.29	15.97
Uttrakhand	7.00	0.36	6.48
West Bengal	23.00	0.11	2.27
All-India	375.00	289.75	279.28

8. **Progressive procurement of Wheat as on 09.02.2018**

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 09.02.2018	
		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