

**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: 19.02.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 16.02.2018.**

**Summary observations of the Group on Agenda Items**

- *In the winter season, at All-India level, the rainfall during the week (08<sup>th</sup> February, 2018 – 14<sup>th</sup> February, 2018) has been 76% higher 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 255% in Central India, 184% in South Peninsula and 66% in North West India but lower than LPA by 47% in East & North East India.*
- *The cumulative rainfall in the country during the winter monsoon season i.e. 01<sup>st</sup> January to 14<sup>th</sup> February, 2018 has been 58% 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 65% in East & North East India, 64% in North West India, 41% in Central India and 19% in South Peninsula.*
- *Out of 36 met sub-divisions, 5 met subdivisions constituting 9% of the total area of the country has received large excess/ excess rainfall, 02 met sub-divisions constituting 6% of the total area of the country has received normal rainfall, 27 met sub-divisions constituting 80% of the total area of the country has received deficient/large deficient rainfall and 2 met sub-divisions constituting 5% 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 15<sup>th</sup> February, 2018 has been 63.60 BCM as against 72.01 BCM on 15.02.2017 (last year) and 69.76 BCM of normal (average of the last 10 years) storage. Current year's storage is 88% 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 16.02.2018 for 2017-18 was 293.94 lakh tonnes against the procurement of 285.05 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 14<sup>th</sup> February, 2018**

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

- **Rainfall during the week (08<sup>th</sup> February, 2018 to 14<sup>th</sup> February, 2018)** Rainfall was large excess/excess in 18 met sub-division, normal in 01 met sub-division, deficient/large deficient in 12 subdivisions and no rain in 05 met subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> January, 2018 to 14<sup>th</sup> February, 2018)** Rainfall was large excess/excess in 05 met sub-divisions, normal in 02 met sub-divisions, deficient/large deficient in 27 met sub-divisions and no rain in 02 met subdivisions out of 36 meteorological met sub-divisions.

**Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country<sup>1</sup>**

Region	Week Ending (14.02.2018))				Cumulative (01.01.18 to 14.02.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	15.2	9.2	66	LE	19.2	54.2	-64	LD
Central India	7.1	2.0	255	LE	7.1	12.0	-41	D
South Peninsular India	4.5	1.6	184	LE	8.5	10.5	-19	N
East & North-East India	3.2	6.0	-47	D	12.5	35.7	-65	LD
Country as a whole	8.5	4.8	76	LE	12.0	28.8	-58	D

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: 1<sup>st</sup> Jan., to 14<sup>th</sup> Feb., 2018**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> January to					
	13 FEB 2013	12 FEB 2014	11 FEB 2015	17 FEB 2016	15 FEB 2017	14 FEB 2018
Large Excess	-	-	-	-	04	02
Excess	09	07	14	03	05	03
Normal	06	06	06	01	04	02
<b>Total</b>	<b>15</b>	<b>13</b>	<b>20</b>	<b>04</b>	<b>13</b>	<b>07</b>
Deficient	06	04	09	11	04	07
Large Deficient	-	-	-	-	13	20
Scanty	14	17	07	16	-	-
No rain	01	02	00	05	06	02
<b>Total</b>	<b>21</b>	<b>23</b>	<b>16</b>	<b>32</b>	<b>23</b>	<b>29</b>
Data Inadequate	00	00	00	00	00	00
<b>TOTAL</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
<b>All-India % Rainfall Deviation</b>	<b>(-) 17%</b>	<b>(-) 5%</b>	<b>(-) 13%</b>	<b>(-) 63%</b>	<b>9%</b>	<b>(-) 58%</b>

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 16<sup>th</sup> Feb. to 20<sup>th</sup> 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**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2018</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>15 FEB</b>	<b>16 FEB</b>	<b>17 FEB</b>	<b>18 FEB</b>	<b>19 FEB</b>	<b>20 FEB</b>	<b>21 FEB</b>
1	ANDAMAN & NICO.ISLANDS	D	D	D	D	D	SCT	SCT
2	ARUNACHAL PRADESH	ISOL	D	D	D	D	D	D
3	ASSAM & MEGHALAYA	ISOL	D	D	D	D	D	D
4	NAGA.MANI.MIZO.& TRIPURA	D	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	ISOL	D	D	D	D	D	ISOL
16	JAMMU & KASHMIR	SCT	ISOL	D	D	D	ISOL	SCT
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	D	D	D
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	D
36	LAKSHADWEEP	D	D	D	D	D	D	D
<b>LEGENDS:</b>								
<b>WS</b>	<b>WIDE SPREAD / MOST PLACES (76-100%)</b>			<b>FWS</b>	<b>FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)</b>			
<b>SCT</b>	<b>SCATTERED / FEW PLACES (26% to 50%)</b>			<b>ISOL</b>	<b>ISOLATED (up to 25%)</b>	<b>D/DRY</b>	<b>NIL RAINFALL</b>	
• Heavy Rainfall (64.5-115.5 mm)			•• Heavy to Very Heavy Rainfall (115.6-204.4 mm)			••• Extremely Heavy Rainfall (204.5 mm or more)		
• FOG	* SNOWFALL	# HAILSTORM		🔥 HEAT WAVE		🔥 SEVERE HEAT WAVE		
§ THUNDER SQUALL	DS/TS DUST/THUNDERSTORM			🌊 COLD WAVE		🌊 SEVERE COLD WAVE		

**Table: 1.4**

Met-Sub-Division	16-Feb Today	17Feb Sat	18Feb Sun	19Feb Mon	20Feb Tue
1. Andaman & Nicobar Islands	DRY	DRY	DRY	DRY	DRY
2. Arunachal Pradesh	ISOL	ISOL	ISOL	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	ISOL	DRY	DRY	DRY	ISOL
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	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 Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

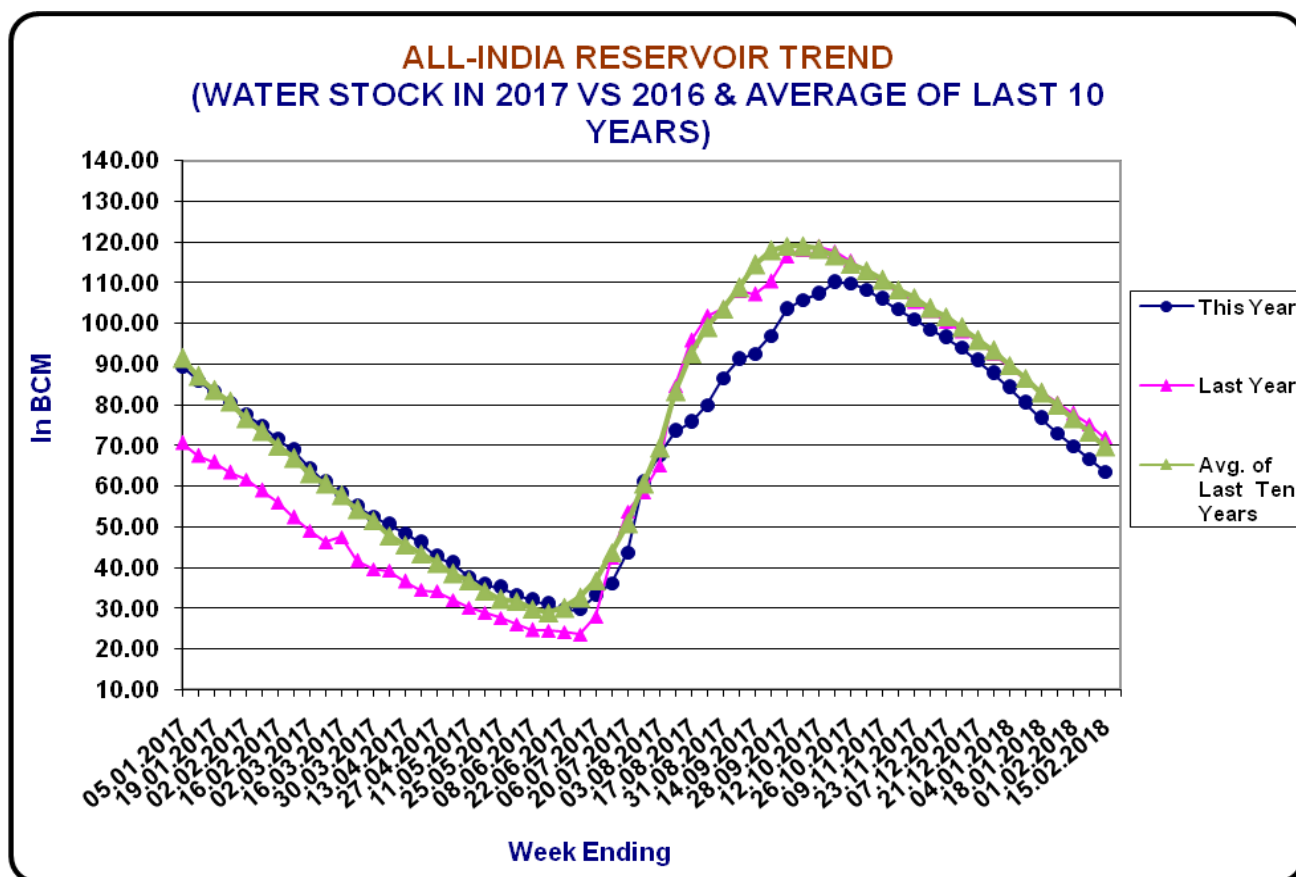
## 2. Reservoir Status (For the week ending on 15.02.2018)

- 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 63.60 BCM from the previous week's level of 66.58 BCM. Current storage is lower than the last year's position of 72.01 BCM and the average of last 10 year's storage of 69.76 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	39	88	91
Last Week	42	88	91
The percentage to live capacity at FRL was 44% on 15/02/2017, 34% on 15/02/2016, 46% on 12/02/2015 and 55% on 13/02/2014.			
<i>Source: CWC</i>			

There were 56 reservoirs having storage more than 80% of normal storage, 21 reservoirs having storage between 50% to 80%, 07 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 15.02.2018)**

*(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 15.02.2018	13157	4206	1485	4631	1757
Sales upto 15.02.2018	12414	3708	1126	3477	1455
Closing Stock upto 15.02.2018	743	498	360	1154	301

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

### 4. Pest & Diseases:

- Incidence of Black aphid in wheat crop at Low to moderate level at Muradabad and Pilibhit districts of Uttar Pradesh. Area infested about 15 hectare acre in patches.
- 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 in Una district of Himachal Pradesh, area infested about 1 acre in small patches.
- 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 16.02.2018

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 16.02.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	23.68	22.20
Telangana	15.00	12.23	10.99
Bihar	12.00	3.43	3.67
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	1.00	1.04	1.35
Madhya Pradesh	13.00	10.96	12.97
Maharashtra	4.00	1.42	2.03
Odisha	30.00	20.73	16.29
Punjab	115.00	118.33	110.52
Tamil Nadu	10.00	0.75	0.31
Uttar Pradesh	37.00	27.91	18.43
Uttrakhand	7.00	0.37	6.48
West Bengal	23.00	0.18	3.24
All-India	375.00	293.94	285.05

8. Progressive procurement of Wheat as on 16.02.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 16.02.2018	
		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