

**F. No. 3-1/ 2018-19-CFCC-ES**  
**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: 08.01.2019

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 04.01.2019.**

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

- *In the post monsoon season, at All-India level, the rainfall during the week i.e. 27<sup>th</sup> December, 2018 – 02<sup>nd</sup> January, 2019 has been 88% 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 95% each in North West India & Central India, 77% in East & North East India and 65% in South Peninsula.*
- *The cumulative rainfall in the country during the post monsoon season i.e. 01<sup>st</sup> October, 2018 to 31<sup>st</sup> December, 2018 has been 44% lower than LPA. Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 51% each in Central India & East & North East India, 45% in North West India and 36% in South Peninsula.*
- *For post monsoon season 01.10.2018 to 31.12.2018 out of 36 met sub-divisions, 2 met sub-division constituting 5% of the total area of the country has received large excess/excess rainfall, 3 met sub-divisions constituting 8% of the total area of the country has received normal rainfall, 31 met subdivisions constituting 87% 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 03<sup>rd</sup> January, 2019 has been 86.65 BCM as against 84.58 BCM on 03.01.2018 (last year) and 89.53 BCM of normal (average of the last 10 years) storage. Current year's storage is 102% of last year's storage and nearly 97% of average of last 10 year's storage.*
- *As per latest information available on sowing of Rabi crops, around 89.6% of the normal area under Rabi crops has been sown upto 03.01.2019. Area sown under all rabi crops taken together has been reported 564.42 lakh hectares at All India level as compared to 584.37 lakh hectares in the corresponding period of last year and 583.21 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 04.01.2019 for 2018-19 was at 262.96 lakh tonnes against the procurement of 250.46 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2018-19 was 357.95 lakh tonnes which was higher than the procurement of 308.24 lakh tonnes in the corresponding period of RMS 2017-18.*

1. **Post Monsoon Season (October – December) during the week ending 31<sup>st</sup> Dec., 2018**

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

- **Rainfall during the week (27<sup>th</sup> December, 2018 to 02<sup>nd</sup> January, 2019)** Rainfall was large excess/excess in 2 met sub-divisions, normal in 2 met sub-divisions, deficient/large deficient in 15 sub-divisions and no rain in 17 met sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> October, 2018 to 31<sup>st</sup> December, 2018)** Rainfall was large excess/excess in 2 met sub-division, normal in 3 met sub-divisions, deficient/large deficient in 31 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (02.01.2019)				Cumulative (01.10.18 to 31.12.18)			
	(in mm)		Devi- ation (%)	Cate- gory	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.4	7.8	-95	LD	34.8	62.7	-45	D
Central India	0.1	1.2	-95	LD	38.6	79.6	-51	D
South Peninsular India	1.2	3.5	-65	LD	173.9	273.3	-36	D
East & North-East India	0.8	3.4	-77	LD	83.8	171.4	-51	D
Country as a whole	0.5	4.1	-88	LD	71.2	127.2	-44	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> October, 2018 to 31<sup>st</sup> Dec., 2018.**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> October to					
	31 DEC 2013	31 DEC 2014	31 DEC 2015	31 DEC 2016	31 DEC 2017	31 DEC 2018
Large Excess	-	-	-	03	01	00
Excess	16	02	05	01	04	02
Normal	06	10	05	06	14	03
<b>Total</b>	<b>22</b>	<b>12</b>	<b>10</b>	<b>10</b>	<b>19</b>	<b>05</b>
Deficient	13	13	08	13	08	13
Large Deficient	-	-	-	13	09	18
Scanty	01	11	18	-	-	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>14</b>	<b>24</b>	<b>26</b>	<b>26</b>	<b>17</b>	<b>31</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>18%</b>	<b>(-) 33%</b>	<b>(-) 23%</b>	<b>(-) 45%</b>	<b>(-) 11%</b>	<b>(-) 44%</b>

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 04<sup>th</sup> Jan., 2019 to 08<sup>th</sup> Jan., 2019 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 WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2018-19								
Sr. No	MET.SUB-DIVISIONS	03 JAN	04 JAN	05 JAN	06 JAN	07 JAN	08 JAN	09 JAN
1	ANDAMAN & NICO.ISLANDS	ISOL	SCT	FWS*	WS**	SCT*	ISOL	ISOL
2	ARUNACHAL PRADESH	FWS	ISOL	D	D	D	ISOL	ISOL
3	ASSAM & MEGHALAYA	ISOL	D*	D	D	D	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	D	D	D	ISOL	ISOL	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	ISOL	D	D	ISOL	ISOL	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	ISOL	D	D
9	BIHAR	D	D	D	D	ISOL	D	D
10	EAST UTTAR PRADESH	D	D	D	SCT	ISOL	D	D
11	WEST UTTAR PRADESH	D*	D	SCT	SCT*	ISOL*	D	D
12	UTTARAKHAND	D	SCT*	WS*	WS	ISOL	D	D
13	HARYANA CHD. & DELHI	D* ↓	D	FWS*#	FWS*#	D*	D*	D*
14	PUNJAB	D* ↓	ISOL	WS*#	FWS*#	D*	D*	D*
15	HIMACHAL PRADESH	D	WS*#	WS*#	FWS	ISOL	ISOL	D
16	JAMMU & KASHMIR	D	WS*#	WS*#	SCT	ISOL	ISOL	D
17	WEST RAJASTHAN	D* ↓	D	ISOL	ISOL*	D*	D	D
18	EAST RAJASTHAN	D* ↓	D	ISOL	ISOL*	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	D	D	D	D	D	D	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	D
36	LAKSHADWEEP	D	D	D	D	D	D	D
<b>LEGENDS:</b>								
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	NIL RAINFALL
* 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 (+4.5 °C to +6.4 °C)		↑↑ SEVERE HEAT WAVE (> +6.4)	
§ THUNDERSTORM WITH SQUALL/GUSTY WIND			DS/TS DUST/THUNDERSTORM		↓ COLD WAVE (-4.5 °C to -6.4 °C)		↓↓ SEVERE COLD WAVE (< -6.4)	

Source: IMD

Table: 1.4

Met-Sub-Division	04-Jan Today	05Jan Sat	06Jan Sun	07Jan Mon	08Jan Tue
1. Andaman & Nicobar Islands	SCT	FWS	WS	SCT	SCT
2. Arunachal Pradesh	ISOL	DRY	DRY	DRY	DRY
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	ISOL	ISOL
5. S.H. West Bengal & Sikkim	ISOL	DRY	DRY	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	ISOL	ISOL
9. Bihar	DRY	DRY	ISOL	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	SCT	ISOL	ISOL
11. West Uttar Pradesh	DRY	SCT	SCT	ISOL	ISOL
12. Uttarakhand	SCT	WS	WS	ISOL	ISOL
13. Haryana, Chd & Delhi	DRY	FWS	FWS	DRY	DRY
14. Punjab	ISOL	WS	FWS	DRY	DRY
15. Himachal Pradesh	WS	WS	FWS	ISOL	ISOL
16. Jammu & Kashmir	WS	WS	SCT	ISOL	ISOL
17. West Rajsthan	DRY	ISOL	ISOL	DRY	DRY
18. East Rajasthan	DRY	ISOL	ISOL	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/Many Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

Source: IMD

## 2. Reservoir Status (For the week ending on 03.01.2019)

- **The Central Water Commission** monitors the live storage capacity 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.
- Live Storage in 91 major reservoirs increased to 86.65 BCM from the previous week's level of 86.37 BCM. Current year's storage position is higher than the last year's storage position of 84.58 BCM and lower than the average of last 10 year's storage position of 89.53 BCM.

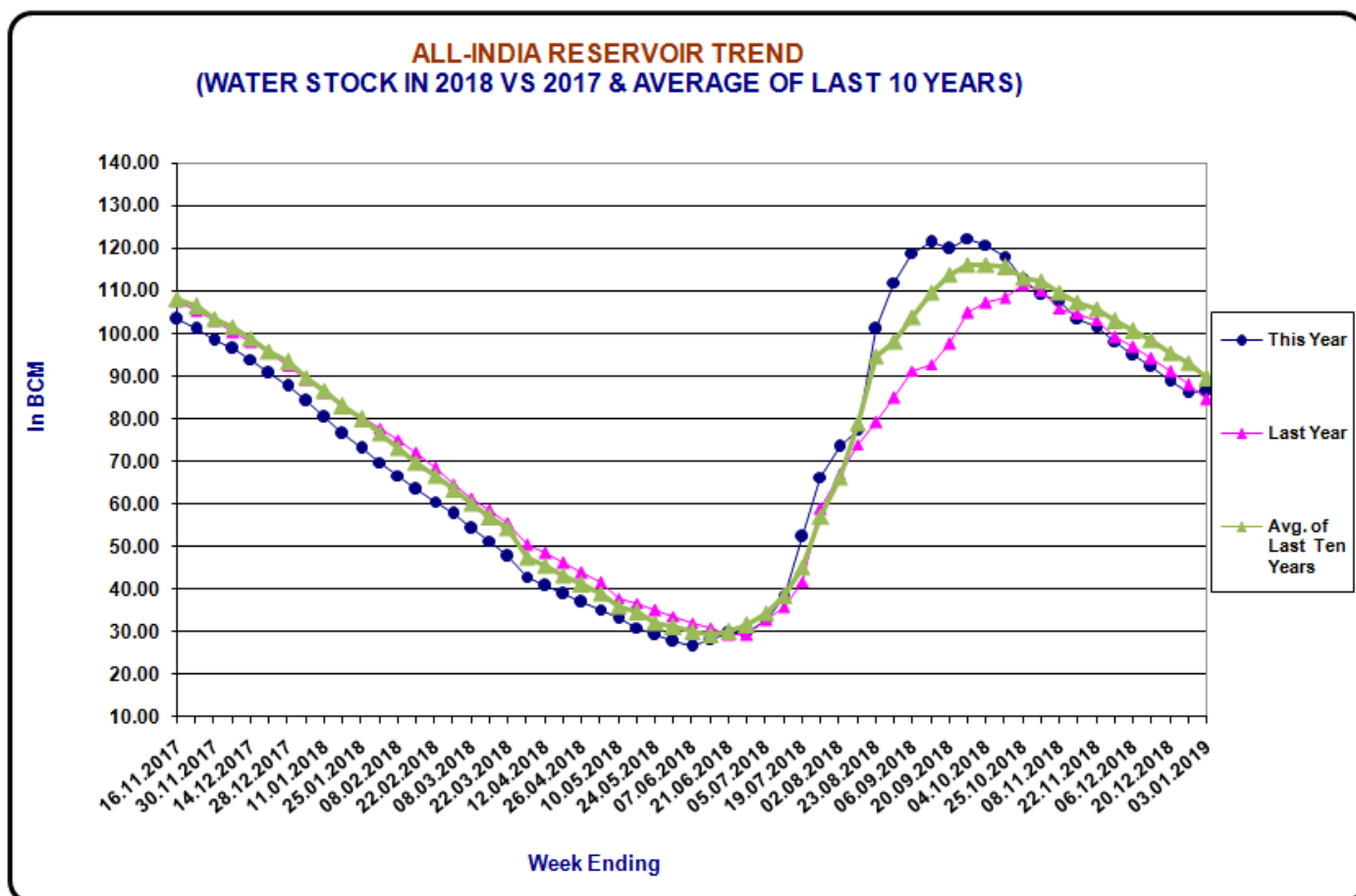
**Table – 2.1 : For 91 major reservoirs of the country**

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	53	102	97
Last Week	53	98	93

The percentage to live capacity at FRL was 52% on 03/01/2018, 55% on 03/01/2017, 48% on 31/12/2015 and 58% on 31/12/2014.

Source: CWC

There were 61 reservoirs having storage more than 80% of normal storage, 16 reservoirs having storage between 51% to 80%, 11 reservoirs having storage between 31% to 50% and 3 reservoirs having storage upto 30% of Normal Storage.



Source: Central Water Commission

### 3. Fertilizer Position:

**Table – 3.1: Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers UREA, DAP, MOP, Complex and SSP during Rabi 2018-19 (As on 31.12.2018)**

*(in '000 tonnes)*

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.10.2018	468	580	46	670	133
<b>Requirement for Rabi 2018-19</b>	<b>15114</b>	<b>4922</b>	<b>1655</b>	<b>4794</b>	<b>2780</b>
Cumulative Requirement during October to December 2018	9395	3724	1060	2841	1701
Cumulative Receipt upto 31.12.2018	7976	3023	870	2742	1026
Cumulative Availability upto 31.12.2018	8444	3602	916	3412	1159
Cumulative Sales upto 31.12.2018	8088	2770	659	2266	1012
Closing Stock as on 31 .12.2018	356	832	257	1146	147

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

### 4. Pest & Diseases:

- 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 – Rabi (2018-19) as on 04.01.2019

Table: 6.1

(Area in lakh hectares)							
Crop Name	Normal Area	Average Area as on date	Area sown			Absolute Change over (+/-)	
			This Year	% of Normal	Last Year	Average as on date	Last Year
Wheat	306.29	293.30	288.37	94.1	283.55	-4.9	4.8
Rice	41.60	16.10	14.01	33.7	18.64	-2.1	-4.6
Jowar	37.40	32.61	22.76	60.9	29.89	-9.9	-7.1
Maize	16.51	13.29	12.88	78.0	14.34	-0.4	-1.5
Barley	6.64	7.29	7.08	106.6	7.31	-0.2	-0.2
Total Coarse Cereals	60.55	53.88	43.33	71.6	52.40	-10.5	-9.1
Total Cereals	408.44	363.28	345.71	84.6	354.59	-17.6	-8.9
Gram	89.45	90.98	92.89	103.8	104.21	1.9	-11.3
Lentil	13.94	15.47	16.61	119.2	16.97	1.1	-0.4
Peas	9.33	9.69	10.10	108.3	9.17	0.4	0.9
Kulthi(Horse Gram)	2.09	4.19	5.11	244.2	4.14	0.9	1.0
Urad	8.14	6.89	6.16	75.7	6.86	-0.7	-0.7
Moong	9.62	4.27	3.65	37.9	3.67	-0.6	0.0
Lathyrus	4.58	3.80	3.56	77.7	3.22	-0.2	0.3
Others	3.69	5.56	5.48	148.48	5.22	-0.1	0.3
Total Pulses	140.84	140.84	143.56	101.9	153.44	2.7	-9.9
Total Foodgrains	549.28	504.12	489.27	89.1	508.03	-14.8	-18.8
Rapeseed & Mustard	61.25	66.45	66.43	108.4	64.99	0.0	1.4
Groundnut	7.85	4.71	3.50	44.6	4.52	-1.2	-1.0
Safflower	1.62	1.05	0.36	22.2	0.77	-0.7	-0.4
Sunflower	3.68	2.45	0.99	27.0	1.53	-1.5	-0.5
Sesamum	3.04	0.53	0.46	15.2	0.33	-0.1	0.1
Linseed	2.93	3.40	3.15	107.7	3.86	-0.3	-0.7
Total Oilseeds (Nine)	80.36	79.09	75.16	93.5	76.34	-3.9	-1.2
All- Crops	629.64	583.21	564.42	89.6	584.37	-18.8	-19.9

Source: Crops & TMOP Divisions, DAC&FW

## 7. Progressive procurement of Rice as on 04.01.2019

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2018-19 (Oct. – Sept.)	Progressive Procurement as on 04.01.2019	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Andhra Pradesh	30.00	13.05	13.83
Telangana	15.00	24.43	11.65
Bihar	8.00	0.19	1.02
Chhattisgarh	40.00	31.70	26.82
Haryana	39.75	39.09	39.67
Jharkhand	2.50	0.12	0.07
Kerala	2.00	0.58	0.91
Madhya Pradesh	13.00	4.66	8.22
Maharashtra	4.00	1.75	0.96
Odisha	30.00	10.54	8.38
Punjab	114.00	113.30	118.39
Tamil Nadu	8.00	1.47	-
Uttar Pradesh	33.00	17.20	19.91
Uttrakhand	5.00	4.18	0.33
West Bengal	23.00	0.32	0.02
<b>All-India</b>	<b>370.00</b>	<b>262.96</b>	<b>250.46</b>