

**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: 09.05.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 04.05.2018.**

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

- *In the pre monsoon season, at All-India level, the rainfall during the week (26<sup>th</sup> April, 2018 – 02<sup>nd</sup> May, 2018) has been 38% 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 54% in Central India but lower than LPA by 70% in North West India, 45% in East & North East India and 26% in South Peninsula.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01<sup>st</sup> March to 02<sup>nd</sup> May, 2018 has been 21% 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 19% in South Peninsula, equal to LPA in Central India but lower than LPA by 32% in North West India, 29% in East & North East India.*
- *Out of 36 met sub-divisions, 7 met subdivision constituting 16% of the total area of the country has received large excess/excess rainfall, 13 met sub-divisions constituting 30% of the total area of the country has received normal rainfall, 16 met subdivisions constituting 54% 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> May, 2018 has been 35.22 BCM as against 41.57 BCM on 03.05.2017 (last year) and 39.00 BCM of normal (average of the last 10 years) storage. Current year's storage is 85% of last year's storage and 90% of average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 04.05.2018 for 2017-18 was at 328.69 lakh tonnes against the procurement of 343.41 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 287.79 lakh tonnes which was higher than the procurement of 254.36 lakh tonnes in the corresponding period of RMS 2017-18.*

**Pre Monsoon Season (March – May) during the week ending 02<sup>nd</sup> May, 2018**

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

- **Rainfall during the week (26<sup>th</sup> March, 2018 to 02<sup>nd</sup> May, 2018)** Rainfall was large excess/excess in 08 met sub-divisions, normal in 04 met sub-division, deficient/large deficient in 18 sub-divisions and no rain in 06 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> March, 2018 to 02<sup>nd</sup> May, 2018)** Rainfall was large excess/excess in 07, normal in 13 met sub-divisions, deficient/large deficient in 16 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 (02.05.2018)				Cumulative (01.03.18 to 02.05.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	2.5	8.1	-70	LD	55.1	81.2	-32	D
Central India	4.5	2.9	54	E	20.3	20.4	0	N
South Peninsular India	8.2	11.1	-26	D	59.4	50.1	19	N
East & North-East India	21.0	38.0	-45	D	137.4	194.0	-29	D
Country as a whole	7.2	11.6	-38	D	57.4	72.8	-21	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> March, to 02<sup>nd</sup> May, 2018**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> March to</i>					
	<b>01 MAY 2013</b>	<b>30 APR 2014</b>	<b>29 APR 2015</b>	<b>04 MAY 2016</b>	<b>03 MAY 2017</b>	<b>02 MAY 2018</b>
Large Excess	-	-	-	-	01	02
Excess	07	14	31	02	04	05
Normal	08	08	05	10	11	13
<b>Total</b>	<b>15</b>	<b>22</b>	<b>36</b>	<b>12</b>	<b>16</b>	<b>20</b>
Deficient	16	05	00	12	09	13
Large Deficient	-	-	-	-	10	03
Scanty	05	09	00	12	-	-
No rain	00	00	00	00	01	00
<b>Total</b>	<b>21</b>	<b>14</b>	<b>00</b>	<b>24</b>	<b>20</b>	<b>16</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>(-) 35%</b>	<b>(-) 15%</b>	<b>89%</b>	<b>(-) 14%</b>	<b>4%</b>	<b>(-) 21%</b>

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 04<sup>th</sup> May to 08<sup>th</sup> May, 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 WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2018								
Sr. No	MET.SUB-DIVISIONS	03 MAY	04 MAY	05 MAY	06 MAY	07 MAY	08 MAY	09 MAY
1	ANDAMAN & NICO.ISLANDS	FWS	SCT	SCT	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	ISOL	SCT	SCT	FWS	FWS	WS	FWS
3	ASSAM & MEGHALAYA	SCT	SCT	FWS <sup>TS*</sup>	WS <sup>*</sup>	WS <sup>*</sup>	WS	FWS
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS <sup>*</sup>	WS <sup>TS*</sup>	WS <sup>*</sup>	WS	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	FWS <sup>TS§</sup>	FWS <sup>TS§</sup>	FWS	FWS	FWS	FWS	SCT
6	GANGETIC WEST BENGAL	FWS <sup>TS§</sup>	FWS <sup>TS§</sup>	SCT <sup>TS</sup>	ISOL	ISOL	ISOL	ISOL
7	ODISHA	FWS <sup>TS§#*</sup>	SCT <sup>TS§</sup>	ISOL	ISOL	ISOL	D	D
8	JHARKHAND	FWS <sup>TS§#</sup>	SCT <sup>TS</sup>	ISOL	ISOL	ISOL	D	ISOL
9	BIHAR	SCT <sup>TS§</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	SCT <sup>TS§</sup>	ISOL <sup>TS</sup>	ISOL	D	D	D	ISOL
11	WEST UTTAR PRADESH	SCT <sup>TS§</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL <sup>TS</sup>	ISOL	ISOL
12	UTTARAKHAND	WS <sup>TS§#</sup>	FWS <sup>TS§</sup>	FWS <sup>TS§</sup>	SCT <sup>TS</sup>	FWS <sup>TS</sup>	SCT	SCT
13	HARYANA CHD. & DELHI	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	SCT <sup>TS</sup>	SCT	ISOL
14	PUNJAB	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT	ISOL
15	HIMACHAL PRADESH	WS <sup>TS§#</sup>	SCT <sup>TS</sup>	FWS <sup>TS§</sup>	WS <sup>TS§#</sup>	WS <sup>TS§#</sup>	FWS	SCT
16	JAMMU & KASHMIR	FWS <sup>TS§#</sup>	SCT <sup>TS</sup>	FWS <sup>TS§</sup>	WS <sup>TS§#</sup>	WS <sup>TS</sup>	SCT	ISOL
17	WEST RAJASTHAN	ISOL <sup>DS/TS</sup>	D <sup>DS/TS</sup>	D <sup>+</sup>	D	ISOL <sup>DS/TS</sup>	ISOL	D
18	EAST RAJASTHAN	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	D <sup>+</sup>	D	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL <sup>DS/TS</sup>	D <sup>+</sup>	D	D	D	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL <sup>TS</sup>	ISOL	D	D	D	D	ISOL
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	ISOL <sup>+</sup>	D <sup>+</sup>	D	D	D	D	D
25	MARATHAWADA	ISOL <sup>+</sup>	ISOL <sup>+</sup>	D	D	D	D	D
26	VIDARBHA	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	D	D	D	D	D
27	CHHATTISGARH	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	D	D
28	COASTAL ANDHRA PRADESH	SCT <sup>TS*</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	D	D
29	TELANGANA	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	D	D
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL <sup>TS*</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	SCT	SCT
32	COASTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	D
34	SOUTH INT.KARNATAKA	SCT <sup>TS</sup>	SCT <sup>TS*</sup>	ISOL	ISOL	SCT	SCT	SCT
35	KERALA	FWS <sup>TS*</sup>	FWS <sup>TS</sup>	SCT <sup>TS</sup>	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	SCT <sup>TS</sup>	ISOL	D	D	D	ISOL	ISOL

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 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)
§ THUNDER SQUALL	DS/TS DUST/THUNDERSTORM	- COLD WAVE (-4.5°C to -6.4°C)		- SEVERE COLD WAVE (< -6.4)	

Table: 1.4

Met-Sub-Division	04-May Today	05May Sat	06May Sun	07May Mon	08May Tue
1. Andaman & Nicobar Islands	SCT	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	SCT	SCT	FWS	FWS	FWS
3. Assam & Meghalaya	SCT	FWS	WS	WS	WS
4. N. M. M. & T.	FWS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	FWS	SCT	ISOL	ISOL	ISOL
7. Odisha	SCT	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	SCT	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	ISOL	ISOL	DRY	DRY	DRY
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	FWS	FWS	SCT	FWS	FWS
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	SCT	SCT
14. Punjab	ISOL	ISOL	SCT	SCT	SCT
15. Himachal Pradesh	SCT	FWS	WS	WS	WS
16. Jammu & Kashmir	SCT	FWS	WS	WS	WS
17. West Rajsthan	DRY	DRY	DRY	ISOL	ISOL
18. East Rajasthan	ISOL	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	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	ISOL	DRY	DRY	DRY	DRY
26. Vidharbha	ISOL	DRY	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
33. North Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	ISOL	ISOL	SCT	SCT
35. Kerala	FWS	SCT	SCT	SCT	SCT
36. Lakshadweep	ISOL	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		

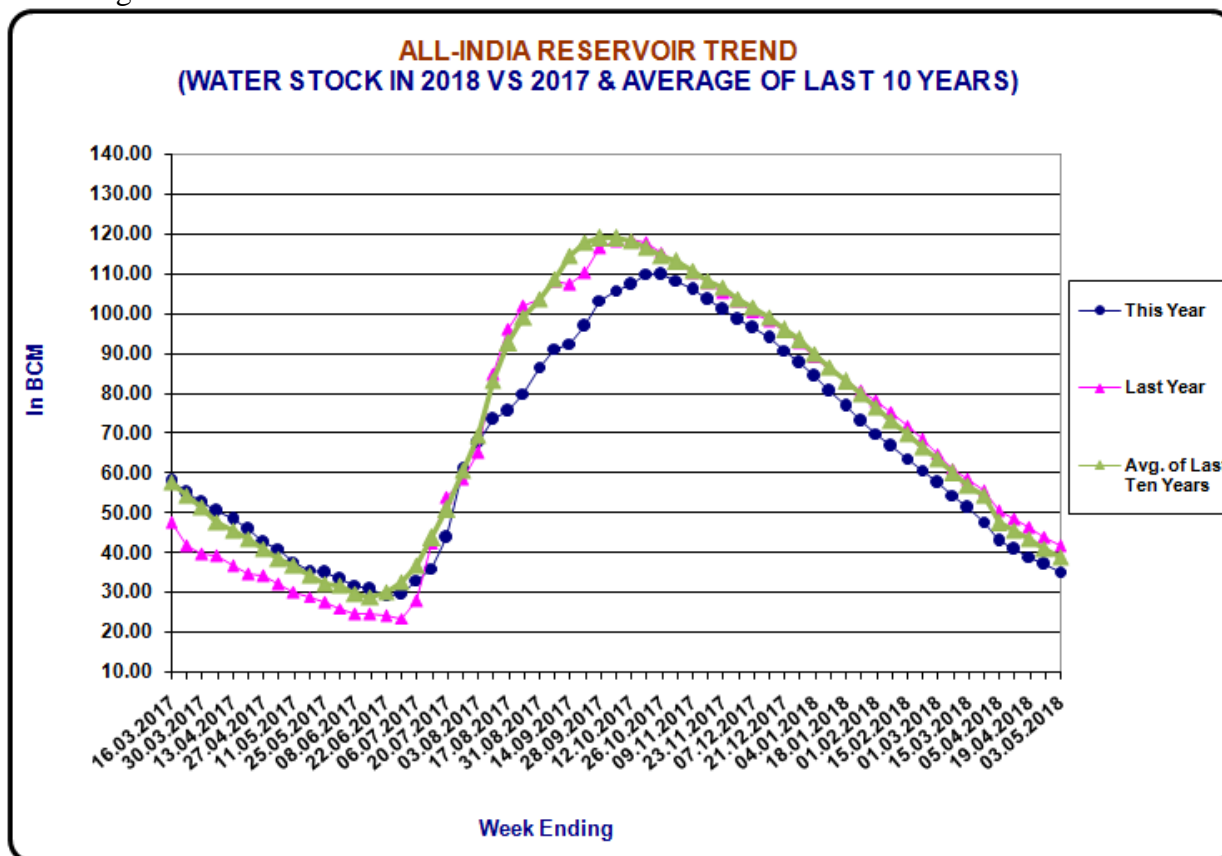
## 2. Reservoir Status (For the week ending on 03.05.2018)

- 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 35.22 BCM from the previous week's level of 37.11 BCM. Current storage is lower than the last year's position of 41.57 BCM and the average of last 10 year's storage of 39.00 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	22	85	90
Last Week	24	85	90
The percentage to live capacity at FRL was 26% on 03/05/2017, 21% on 03/05/2016, 31% on 30/04/2015 and 33% on 01/05/2014.			
<i>Source: CWC</i>			

There were 55 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 50% to 80%, 12 reservoir having storage between 30% to 50%, 09 reservoirs having storage upto 30% of Normal Storage and 05 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 Kharif 2018 (As on 30.04.2018)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1011	201	89	736	161
Requirement for Kharif, 2018	14890	4918	2025	4973	2625
Requirement for April, 2018	1715	597	214	511	302
Availability upto 30.04.2018	3104	639	345	1269	340
Sales upto 30.04.2018	1467	247	169	236	148
Closing Stock upto 30.04.2018	1637	392	176	1033	192

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. Progressive procurement of Rice as on 04.05.2018

Table: 6.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 04.05.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	32.08	31.25
Telangana	34.00	18.95	16.48
Bihar	12.00	7.96	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	2.32	2.98	2.96
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.61	2.47
Odisha	37.00	25.60	27.94
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	7.07	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.37	16.60
All-India	430.00	328.69	343.41

7. Progressive procurement of Wheat as on 04.05.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 04.05.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.30	0.04
Haryana	74.00	82.63	71.54
Madhya Pradesh	67.00	52.71	52.92
Punjab	119.00	119.37	111.41
Rajasthan	16.00	10.39	7.76
Uttar Pradesh	40.00	21.83	10.61
Uttrakhand	1.00	0.42	0.01
All-India	320.00	287.79	254.36