

**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: 02.05.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 27.04.2018.**

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

- *In the pre monsoon season, at All-India level, the rainfall during the week (19<sup>th</sup> April, 2018 – 25<sup>th</sup> April, 2018) has been 1% 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 63% in North West India but lower than LPA by 41% in Central India, 21% in South Peninsula and 3% in East & North East India.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01<sup>st</sup> March to 25<sup>th</sup> April, 2018 has been 18% 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 32% in South Peninsula but lower than LPA by 28% in North West India, 25% in East & North East India and 9% in Central India.*
- *Out of 36 met sub-divisions, 9 met subdivision constituting 16% of the total area of the country has received large excess/excess rainfall, 11 met sub-divisions constituting 28% of the total area of the country has received normal rainfall, 16 met subdivisions constituting 56% 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 26<sup>th</sup> April, 2018 has been 37.11 BCM as against 43.89 BCM on 26.04.2017 (last year) and 41.14 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 26.04.2018 for 2017-18 was at 321.62 lakh tonnes against the procurement of 336.09 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 234.61 lakh tonnes which was higher than the procurement of 214.52 lakh tonnes in the corresponding period of RMS 2017-18.*

**Pre Monsoon Season (March – May) during the week ending 25<sup>th</sup> April, 2018**

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

- **Rainfall during the week (19<sup>th</sup> March, 2018 to 25<sup>th</sup> April, 2018)** Rainfall was large excess/excess in 6 met sub-divisions, normal in 06 met sub-division, deficient/large deficient in 12 sub-divisions and no rain in 12 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> March, 2018 to 25<sup>th</sup> April, 2018)** Rainfall was large excess/excess in 9, normal in 11 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 (25.04.2018)				Cumulative (01.03.18 to 25.04.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	9.1	5.6	63	LE	52.6	73.1	-28	D
Central India	1.4	2.4	-41	D	15.8	17.5	-9	N
South Peninsular India	8.3	10.5	-21	D	51.3	39.0	32	E
East & North-East India	27.4	28.3	-3	N	116.9	156.0	-25	D
Country as a whole	9.3	9.2	1	N	50.2	61.2	-18	N

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 25<sup>th</sup> April, 2018**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> March to</i>					
	24 APR 2013	23 APR 2014	22 APR 2015	27 APR 2016	26 APR 2017	25 APR 2018
Large Excess	-	-	-	-	05	03
Excess	06	16	29	02	01	06
Normal	08	06	06	12	09	11
<b>Total</b>	<b>14</b>	<b>22</b>	<b>35</b>	<b>14</b>	<b>15</b>	<b>20</b>
Deficient	15	08	01	10	12	13
Large Deficient	-	-	-	-	07	03
Scanty	06	06	00	12	-	-
No rain	01	00	00	00	02	00
<b>Total</b>	<b>22</b>	<b>14</b>	<b>01</b>	<b>22</b>	<b>21</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>(-) 34%</b>	<b>(-) 5%</b>	<b>96%</b>	<b>(-) 8%</b>	<b>4%</b>	<b>(-) 18%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 27<sup>th</sup> April to 01<sup>st</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**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2018</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>26 APR</b>	<b>27 APR</b>	<b>28 APR</b>	<b>29 APR</b>	<b>30 APR</b>	<b>01 MAY</b>	<b>02 MAY</b>
1	ANDAMAN & NICO.ISLANDS	SCT	SCT	FWS	FWS	FWS <sup>*</sup>	WS <sup>*</sup>	WS <sup>*</sup>
2	ARUNACHAL PRADESH	ISOL	ISOL	SCT	FWS	WS	FWS	FWS
3	ASSAM & MEGHALAYA	SCT <sup>TS</sup> \$	SCT <sup>TS</sup> \$	FWS <sup>TS</sup> \$	WS <sup>*</sup>	WS <sup>*</sup>	WS <sup>*</sup>	FWS
4	NAGA.MANI.MIZO.& TRIPURA	SCT <sup>TS</sup>	SCT <sup>TS</sup> \$	FWS <sup>TS</sup> \$	WS <sup>*</sup>	WS <sup>*</sup>	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	SCT <sup>TS</sup> \$ #	SCT <sup>TS</sup>	FWS <sup>TS</sup> \$ #	WS <sup>*</sup>	WS <sup>*</sup>	FWS <sup>*</sup>	FWS
6	GANGETIC WEST BENGAL	SCT <sup>TS</sup> \$	SCT <sup>TS</sup>	SCT <sup>TS</sup> \$	FWS <sup>TS</sup> \$	FWS <sup>*</sup>	FWS <sup>*</sup>	FWS
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
8	JHARKHAND	SCT <sup>TS</sup> \$	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT	SCT
9	BIHAR	SCT <sup>TS</sup> \$	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT <sup>TS</sup> \$	SCT <sup>TS</sup> \$	SCT	SCT
10	EAST UTTAR PRADESH	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	D	ISOL	ISOL	ISOL
12	UTTARAKHAND	ISOL <sup>TS</sup>	FWS <sup>TS</sup> \$ #	SCT <sup>TS</sup> \$ #	ISOL	ISOL	SCT	SCT
13	HARYANA CHD. & DELHI	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	D	D	ISOL	ISOL
14	PUNJAB	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	D	D	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL <sup>*</sup>	SCT <sup>TS</sup> \$ #	SCT	ISOL <sup>TS</sup> \$	ISOL	SCT	FWS
16	JAMMU & KASHMIR	ISOL	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	SCT	FWS
17	WEST RAJASTHAN	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	D	D	D	ISOL	ISOL
18	EAST RAJASTHAN	D	ISOL <sup>DS/TS</sup>	ISOL <sup>DS/TS</sup>	D	D	ISOL	ISOL
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 <sup>†</sup>	D <sup>†</sup>	D <sup>†</sup>	D <sup>†</sup>	D <sup>†</sup>	D	D
27	CHHATTISGARH	ISOL <sup>TS</sup>	D	D	D	D	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	D	D	ISOL	ISOL
29	TELANGANA	ISOL <sup>TS</sup>	D	D	D	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL <sup>TS</sup>	D	D	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	ISOL <sup>TS</sup>	D	D	ISOL	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	D	D	D	D	D	ISOL	ISOL
34	SOUTH INT.KARNATAKA	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	SCT	SCT
35	KERALA	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT	SCT	SCT	SCT	SCT
36	LAKSHADWEEP	ISOL	ISOL	D	D	D	ISOL	ISOL
<b>LEGENDS:</b>								
<b>WS</b>	WIDE SPREAD / MOST PLACES (76-100%)			<b>FWS</b>	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)			
<b>SCT</b>	SCATTERED / FEW PLACES (26% to 50%)			<b>ISOL</b>	ISOLATED (up to 25%)		<b>D/DRY</b>	<b>NIL RAINFALL</b>
<sup>*</sup> Heavy Rainfall (64.5-115.5 mm)			<sup>**</sup> Heavy to Very Heavy Rainfall (115.6-204.4 mm)			<sup>***</sup> Extremely Heavy Rainfall (204.5 mm or more)		
<sup>•</sup> FOG		<sup>*</sup> SNOWFALL		<sup>#</sup> HAILSTORM		<sup>†</sup> HEAT WAVE (+4.5 °C to +6.4 °C)		<sup>††</sup> SEVERE HEAT WAVE (> +6.4)
<sup>§</sup> THUNDER SQUALL		<sup>DS/TS</sup> DUST/THUNDERSTORM		<sup>‡</sup> COLD WAVE (-4.5 °C to -6.4 °C)		<sup>‡‡</sup> SEVERE COLD WAVE (< -6.4)		

Table: 1.4

Met-Sub-Division	27-Apr Today	28Apr Sat	29Apr Sun	30Apr Mon	01May Tue
1. Andaman & Nicobar Islands	SCT	FWS	FWS	FWS	FWS
2. Arunachal Pradesh	ISOL	SCT	FWS	WS	WS
3. Assam & Meghalaya	SCT	FWS	WS	WS	WS
4. N. M. M. & T.	SCT	FWS	WS	WS	WS
5. S.H. West Bengal & Sikkim	SCT	FWS	WS	WS	WS
6. Gangetic West Bengal	SCT	SCT	FWS	FWS	FWS
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	ISOL	SCT	SCT	SCT
9. Bihar	SCT	SCT	SCT	SCT	SCT
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	DRY	ISOL	ISOL
12. Uttarakhand	FWS	SCT	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	ISOL	DRY	DRY	DRY
14. Punjab	ISOL	ISOL	DRY	DRY	DRY
15. Himachal Pradesh	SCT	SCT	ISOL	ISOL	ISOL
16. Jammu & Kashmir	SCT	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	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	ISOL	ISOL	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	ISOL	ISOL
30. Rayalaseema	DRY	DRY	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	ISOL	ISOL	ISOL
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
35. Kerala	SCT	SCT	SCT	SCT	SCT
36. Lakshadweep	ISOL	DRY	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		

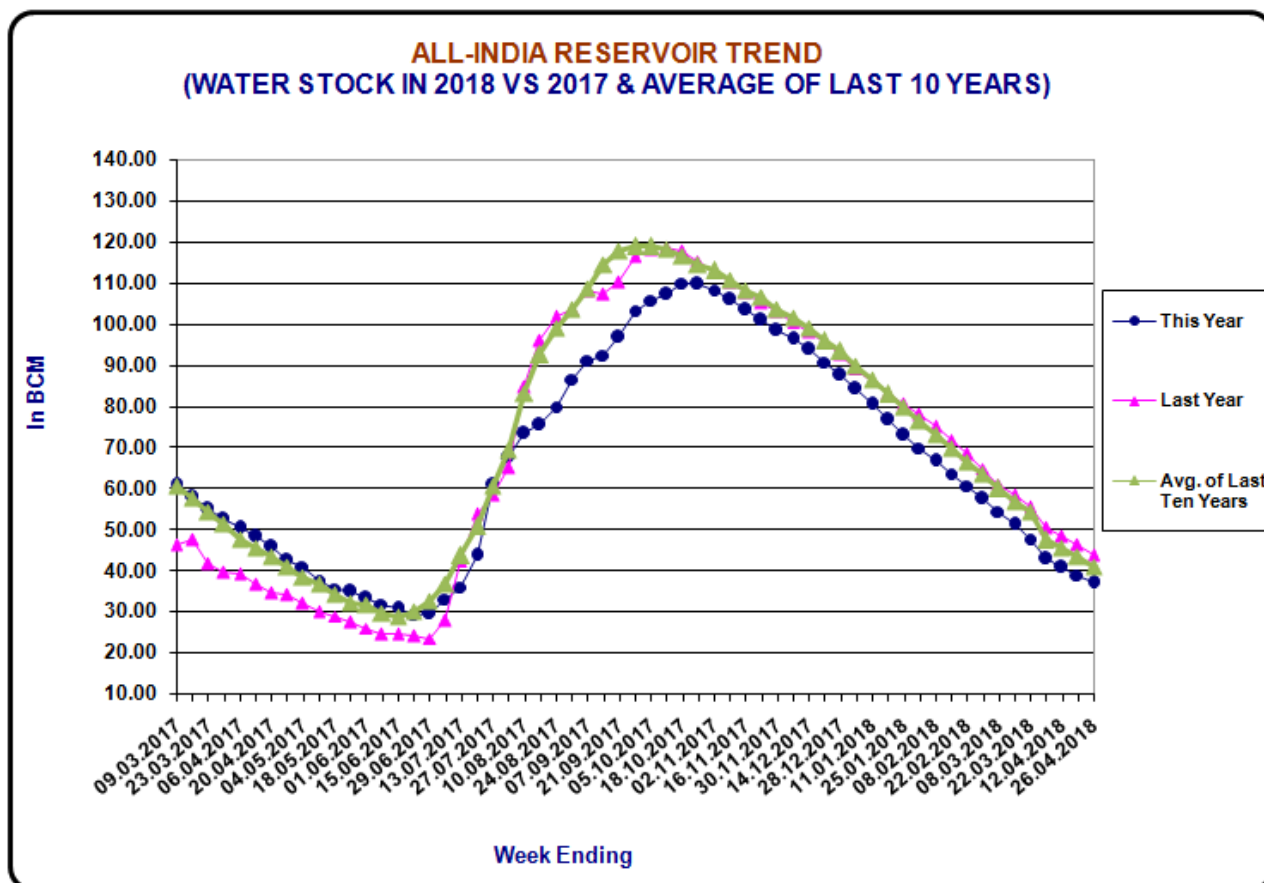
## 2. Reservoir Status (For the week ending on 26.04.2018)

- **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 37.11 BCM from the previous week's level of 38.99 BCM. Current storage is lower than the last year's position of 43.89 BCM and the average of last 10 year's storage of 41.14 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	23	85	90
Last Week	25	84	90
The percentage to live capacity at FRL was 27% on 26/04/2017, 20% on 26/04/2016, 31% on 23/04/2015 and 35% on 24/04/2014.			
<i>Source: CWC</i>			

There were 55 reservoirs having storage more than 80% of normal storage, 19 reservoirs having storage between 50% to 80%, 09 reservoir having storage between 30% to 50%, 08 reservoirs having storage upto 30% of Normal Storage and 05 reservoir having no live storage.



### 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 26.04.2018)**

*(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 26.04.2018	2706	524	271	1122	306
Sales upto 26.04.2018	967	147	97	132	115
Closing Stock upto 26.04.2018	1739	377	174	990	191

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 26.04.2018

Table: 6.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 26.04.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	30.15	29.59
Telangana	34.00	14.98	13.11
Bihar	12.00	7.96	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	2.32	2.82	2.78
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.61	2.46
Odisha	37.00	25.32	26.84
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	6.43	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.35	15.67
All-India	430.00	321.62	336.09

7. Progressive procurement of Wheat as on 26.04.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 26.04.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.24	0.03
Haryana	74.00	74.44	65.92
Madhya Pradesh	67.00	41.63	43.80
Punjab	119.00	96.61	93.66
Rajasthan	16.00	7.74	5.59
Uttar Pradesh	40.00	13.61	5.44
Uttrakhand	1.00	0.21	0.01
All-India	320.00	234.61	214.52