

**F. No. 3-1/ 2016-17-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: 08.05.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 05.05.2017.**

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

- *In the Pre Monsoon season, at All-India level, the rainfall during the week (27<sup>th</sup> April, 2017 – 03<sup>rd</sup> May, 2017) has been 8% lower than the Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher by 6% in East & North East India and lower by 77% in Central India, 15% in North West India, 14% in South Peninsula.*
- *The cumulative rainfall in the country during the Pre monsoon season i.e. 01<sup>st</sup> March to 03<sup>rd</sup> May, 2017 has been 4% higher than the Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher by 37% in East & North East India and lower by 62% in Central India, 14% in South Peninsula, 11% in North West India.*
- *Out of 36 met sub-divisions, 05 met subdivisions constituting 10% of the total area of the country has received large excess/excess rainfall, 11 met sub-divisions constituting 32% of the total area of the country has received normal rainfall, 09 met sub-divisions constituting 26% of the total area of the country has received deficient, 10 met sub-divisions constituting 31% of the total area of the country has received large deficient rainfall and 01 met subdivisions constituting 01% 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 157.80 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 116.25 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 04<sup>th</sup> May, 2017 has been 41.07 BCM as against 32.13 BCM on 04.05.2016 (last year) and 38.59 BCM of normal (average of the last 10 years) storage. Current year's storage is 128% of last year's storage and 106% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 05.05.2017 for 2016-17 was 351.45 lakh tonnes against the procurement of 320.62 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 257.85 lakh tonnes against the procurement of 215.63 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

1. **Pre Monsoon Season (March–May) during the week ending on 03<sup>rd</sup> May, 2017**

➤ **Sub-division-wise weekly rainfall forecast is shown in Table-1.1**

- **Rainfall during the week (27<sup>th</sup> April, 2017 to 03<sup>rd</sup> May, 2017)** Rainfall was large excess/excess in 05 subdivision, normal in 06, deficient/large deficient in 21 and no rain in 04 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> March, 2017 to 03<sup>rd</sup> May, 2017)** Rainfall was large excess/excess in 05, normal in 11, deficient/large deficient in 19 and no rain in 01 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 (03.05.2017)				Cumulative (01.03.17 to 03.05.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	6.4	7.5	-15	N	72.8	82.1	-11	N
Central India	0.7	3.0	-77	LD	8.0	20.9	-62	LD
South Peninsular India	10.1	11.7	-14	N	44.8	51.9	-14	N
East & North-East India	41.2	38.8	6	N	273.0	199.9	37	E
Country as a whole	10.8	11.7	-8	N	77.4	74.5	4	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> Mar. to 03<sup>rd</sup> May, 2017**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> March to 03<sup>rd</sup> May, 2017</i>					
	02 MAY 2012	01 MAY 2013	30 APR 2014	06 MAY 2015	04 MAY 2016	03 MAY 2017
Large Excess	-	-	-	-	-	01
Excess	05	07	14	29	02	04
Normal	11	08	08	07	10	11
<b>Total</b>	<b>16</b>	<b>15</b>	<b>22</b>	<b>36</b>	<b>12</b>	<b>16</b>
Deficient	13	16	05	00	12	09
Large Deficient	-	-	-	-	-	10
Scanty	07	05	09	00	12	-
No rain	00	00	00	00	00	01
<b>Total</b>	<b>20</b>	<b>21</b>	<b>14</b>	<b>00</b>	<b>24</b>	<b>20</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>(-) 15%</b>	<b>(-) 35%</b>	<b>(-) 15%</b>	<b>72%</b>	<b>(-) 14%</b>	<b>4%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 08<sup>th</sup> May,2017 to 12<sup>th</sup> May,2017 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 and Gujarat

South Peninsula - Andhra Pradesh, Karnataka, Tamil Nadu & Puducherry, Kerala and Lakshadweep.

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

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2017								
Sr.No	MET. SUB-DIVISIONS	27 APR	28 APR	29 APR	30 APR	01 MAY	02 MAY	03 MAY
1	ANDAMAN & NICOL ISLANDS	DRY	SCI	SCI	ISOL	ISOL	DRY	DRY
2	ARUNACHAL PRADESH	WS	WS	WS	WS	WS	FWS	WS
3	ASSAM & MEGHALAYA	FWS	FWS	WS	FWS	WS	SCI	SCI
4	NAGA, MANIPUR & TRIPURA	ISOL	ISOL	SCI	SCI	FWS	FWS	ISOL
5	SUB-HIMAL. HIMG. & SHIMM	ISOL	ISOL	FWS	SCI	WS	WS	SCI
6	GANGETIC WEST BENGAL	DRY	ISOL	DRY	ISOL	WS	FWS	ISOL
7	ODISHA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	DRY	DRY	DRY	DRY	SCI	SCI	ISOL
9	BIHAR	DRY	DRY	DRY	ISOL	ISOL	ISOL	DRY
10	EAST UTTAR PRADESH	ISOL	ISOL	DRY	ISOL	ISOL	ISOL	DRY
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
12	UTTARAKHAND	ISOL	ISOL	ISOL	FWS	FWS	ISOL	DRY
13	HARYANA CHD. & DELHI	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
14	PUNJAB	ISOL	DRY	DRY	ISOL	ISOL	DRY	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	WS	FWS	DRY	DRY
16	JAMMU & KASHMIR	SCI	ISOL	FWS	WS	SCI	DRY	ISOL
17	WEST RAJASTHAN	DRY	ISOL	ISOL	ISOL	ISOL	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SARAWATI KUTCH & DRU	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
23	KONKAN & COA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	ISOL	DRY	ISOL	DRY	DRY
25	MARATHWADA	DRY	DRY	DRY	DRY	ISOL	DRY	DRY
26	VIDARHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	ISOL	ISOL	ISOL	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	SCI	ISOL
29	TELANGANA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	KERALA	ISOL	SCI	SCI	ISOL	SCI	ISOL	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	DRY	DRY	DRY	DRY	DRY	ISOL	FWS
33	NORTH INT. KARNATAKA	DRY	ISOL	FWS	FWS	ISOL	ISOL	SCI
34	SOUTH INT. KARNATAKA	ISOL	SCI	SCI	SCI	SCI	SCI	SCI
35	KERALA	ISOL	ISOL	ISOL	SCI	SCI	FWS	SCI
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY

LEGENDS:

WS	WIDE STREAK / MOST PLACES (75-100%)	FWS	FAMILY WIDE STREAK / MANY PLACES (51% to 75%)	
SCI	SCATTERED / FEW PLACES (25% to 50%)	ISOL	ISOLATED (up to 25%)	
			DRY	NO DATA OR UNRECORDED 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)

**Table: 1.4**

Met-Sub-Division	08-May Today	09May Tue	10May Wed	11May Thu	12May Fri
1. Andaman & Nicobar Islands	SCT	SCT	ISOL	SCT	SCT
2. Arunachal Pradesh	ISOL	SCT	SCT	FWS	FWS
3. Assam & Meghalaya	SCT	FWS	FWS	WS	WS
4. N. M. M. & T.	SCT	FWS	WS	WS	WS
5. S.H. West Bengal & Sikkim	SCT	FWS	FWS	SCT	SCT
6. Gangetic West Bengal	SCT	SCT	SCT	ISOL	ISOL
7. Odisha	ISOL	SCT	SCT	ISOL	ISOL
8. Jharkhand	ISOL	SCT	ISOL	ISOL	ISOL
9. Bihar	ISOL	SCT	SCT	ISOL	ISOL
10. East Uttar Pradesh	ISOL	SCT	SCT	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	ISOL	DRY	DRY
12. Uttarakhand	ISOL	SCT	SCT	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	SCT	ISOL	DRY	DRY
14. Punjab	ISOL	SCT	ISOL	DRY	DRY
15. Himachal Pradesh	SCT	SCT	ISOL	ISOL	ISOL
16. Jammu & Kashmir	SCT	SCT	ISOL	ISOL	ISOL
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	ISOL	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	ISOL	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	ISOL	ISOL	ISOL	ISOL	ISOL
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	DRY	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	SCT	SCT	ISOL	ISOL
32. Coastal Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
33. North Interior Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	SCT	SCT	SCT
35. Kerala	SCT	SCT	SCT	SCT	SCT
36. Lakshadweep	ISOL	ISOL	ISOL	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 Widespread (FWS) Many Places	1-25	Isolated (ISOL)
No Rain	Dry		

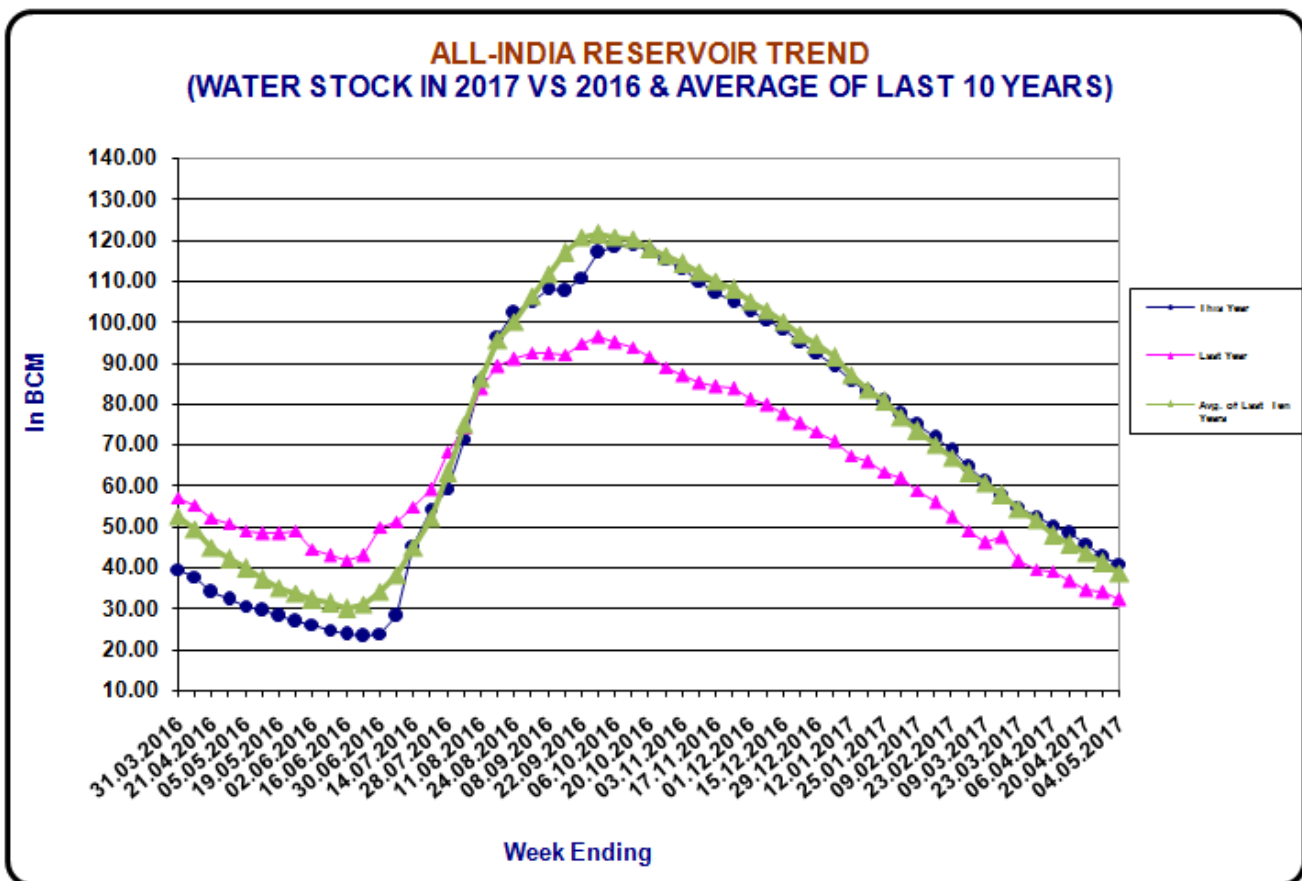
## 2. Reservoir Status (For the week ending on 04.05.2017)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 62% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **decreased** to 41.07 BCM from the previous week's level of 42.66 BCM. Current storage is higher than the last year's position of 32.13 BCM and the average of last 10 year's storage of 38.59 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	26	128	106
Last Week	27	125	104
The percentage to live capacity at FRL was 20% on 04/05/2016, 30% on 04/05/2015, 32% on 04/05/2014 and 26% on 04/05/2013.			
<i>Source: CWC</i>			

There were 49 reservoirs having storage more than 80% of normal storage, 14 reservoirs having storage between 50% to 80%, 13 reservoirs having storage between 30% to 50%, 15 reservoirs having storage upto 30% of Normal Storage and 04 reservoirs 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 2016-17 (As on 30.04.2017)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	692	214
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto April, 2017	1750	594	162	419	301
Availability upto 30.04.2017	3178	1055	380	1069	371
Sales upto 30.04.2017	904	191	146	155	108
Closing Stock upto 30.04.2017	2274	864	234	914	263

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

### 4. Pest & Diseases:

- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. Progressive procurement of Rice as on 05.05.2017 (lakh tonnes)

Table: 5.1

State	Total procurement in marketing season 2015-16 (Oct. – Sept.)	Progressive Procurement as on 05.05.2017	
		In Marketing season 2016-17	In Marketing season 2015-16
Andhra Pradesh	43.36	31.52	37.56
Telangana	15.79	17.13	12.64
Chhattisgarh	34.42	46.62	34.42
Haryana	28.61	35.83	28.61
Kerala	3.82	3.01	3.54
Madhya Pradesh	8.49	13.14	8.41
Maharashtra	2.30	2.47	1.61
Odisha	33.69	28.07	26.77
Punjab	93.50	110.52	93.50
Tamil Nadu	11.92	1.41	10.07
Uttar Pradesh	29.10	23.54	29.10
Uttarakhand	5.98	7.06	5.97
West Bengal	15.68	16.85	13.22
<b>All-India</b>	<b>342.18</b>	<b>351.45</b>	<b>320.62</b>

6. Progressive procurement of Wheat as on 05.05.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (April – March)	Progressive Procurement as on 05.05.2017	
		In Marketing season 2017-18	In Marketing season 2016-17
Haryana	67.52	72.01	65.75
Madhya Pradesh	39.92	54.08	37.26
Punjab	106.49	112.20	101.99
Rajasthan	7.62	8.04	5.57
Uttar Pradesh	7.97	11.40	4.96
<b>All-India</b>	<b>229.62</b>	<b>257.85</b>	<b>215.63</b>