

**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: 18.04.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 13.04.2017.**

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

- *In the Pre Monsoon season, at All-India level, the rainfall during the week (06<sup>th</sup> April, 2017 – 12<sup>th</sup> April, 2017) has been 31% 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 215% in North West India and lower by 92% in Central India, 34% in East & North East India, 31% in South Peninsula.*
- *The cumulative rainfall in the country during the Pre monsoon season i.e. 01<sup>st</sup> March to 12<sup>th</sup> April, 2017 has been 11% 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 42% in East & North East India, 25% in South Peninsula and lower by 52% in Central India, 5% in North West India.*
- *Out of 36 met sub-divisions, 10 met subdivisions constituting 23% of the total area of the country has received large excess/excess rainfall, 10 met sub-divisions constituting 30% of the total area of the country has received normal rainfall, 07 met sub-divisions constituting 18% of the total area of the country has received deficient, 07 met sub-divisions constituting 25% of the total area of the country has received large deficient rainfall and 02 met subdivisions constituting 04% 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 13<sup>th</sup> April, 2017 has been 48.42 BCM as against 36.65 BCM on 13.04.2016 (last year) and 45.68 BCM of normal (average of the last 10 years) storage. Current year's storage is 132% of last year's storage and 106% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 13.04.2017 for the Kharif marketing season 2016-17 was 333.70 lakh tonnes against the procurement of 311.62 lakh tonnes in the corresponding period of last year.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

## 1. Pre Monsoon Season (March–May) during the week ending on 12<sup>th</sup> April, 2017

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

- **Rainfall during the week (06<sup>th</sup> April, 2017 to 12<sup>th</sup> April, 2017)** Rainfall was large excess/excess in 09 subdivision, normal in 02, deficient/large deficient in 16 and no rain in 09 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> March, 2017 to 12<sup>th</sup> April, 2017)** Rainfall was large excess/excess in 10, normal in 10, deficient/large deficient in 14 and no rain in 02 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 (12.04.2017)				Cumulative (01.03.17 to 12.04.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	21.7	6.9	215	LE	57.4	60.2	-5	N
Central India	0.1	1.9	-92	LD	6.3	13.2	-52	D
South Peninsular India	4.3	6.2	-31	D	27.0	21.6	25	E
East & North-East India	15.0	22.8	-34	D	151.5	106.4	42	E
Country as a whole	10.0	7.6	31	E	49.2	44.3	11	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 12<sup>th</sup> Apr., 2017**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> March to 12 <sup>th</sup> April, 2017					
	11 APR 2012	10 APR 2013	09 APR 2014	15 APR 2015	13 APR 2016	12 APR 2017
Large Excess	-	-	-	-	-	05
Excess	02	05	15	30	09	05
Normal	06	05	06	04	10	10
<b>Total</b>	<b>08</b>	<b>10</b>	<b>21</b>	<b>34</b>	<b>19</b>	<b>20</b>
Deficient	11	07	09	02	09	07
Large Deficient	-	-	-	-	-	07
Scanty	15	16	06	00	08	-
No rain	02	03	00	00	00	02
<b>Total</b>	<b>28</b>	<b>26</b>	<b>15</b>	<b>02</b>	<b>17</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>(-) 44%</b>	<b>(-) 54%</b>	<b>5%</b>	<b>102%</b>	<b>(-) 4%</b>	<b>11%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 18<sup>th</sup> Apr.,2017 to 22<sup>nd</sup> Apr.,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	06 APR	07 APR	08 APR	09 APR	10 APR	11 APR	12 APR
1	ANDAMAN & NICOBAR ISLANDS	DRY	SCI	SCI	SCI	FWS	FWS	SCI
2	ANDHRA PRADESH	ISOL	ISOL	WS	FWS	FWS	SCI	ISOL
3	ASSAM & MEGHALAYA	FWS	SCI	FWS	FWS	SCI	ISOL	ISOL
4	NAGA, MANIPUR & TRIPURA	WS	SCI	ISOL	ISOL	ISOL	ISOL	ISOL
5	SUB-HIMALY. BENG. & BIHAR	SCI	ISOL	ISOL	ISOL	ISOL	DRY	DRY
6	CANTON WEST BENGAL	ISOL	ISOL	SCI	SCI	DRY	DRY	DRY
7	ODISHA	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	DRY	ISOL	DRY
9	BIHAR	ISOL	ISOL	SCI	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	WS	WS	ISOL	ISOL	DRY	DRY	DRY
13	HARYANA, CHH. & DELHI	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	FWS	ISOL	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	WS	FWS	ISOL	DRY	ISOL	DRY	DRY
16	JAMMU & KASHMIR	WS	WS	WS	ISOL	DRY	DRY	DRY
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
22	SARAWATI, KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHIWARADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARSHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
29	TELANGANA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
30	KERALA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	DRY	SCI	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INT. KARNATAKA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INT. KARNATAKA	SCI	SCI	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA	ISOL	FWS	DRY	ISOL	SCI	ISOL	ISOL
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	DRY	DRY	DRY

LEGENDS:					
WS	WIDE SPREAD / MOST PLACES (75-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)		
SCI	SCATTERED / FEW PLACES (25% to 50%)	ISOL	ISOLATED (up to 25%)	DRY	NO STATION REPORTED RAINFALL
* Heavy Rainfall (84.5-115.5 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	18-Apr Today	19Apr Wed	20Apr Thu	21Apr Fri	22Apr Sat
1. Andaman & Nicobar Islands	SCT	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	ISOL	SCT	SCT	SCT	SCT
3. Assam & Meghalaya	SCT	FWS	WS	FWS	FWS
4. N. M. M. & T.	SCT	FWS	WS	WS	WS
5. S.H. West Bengal & Sikkim	ISOL	FWS	FWS	SCT	SCT
6. Gangetic West Bengal	ISOL	SCT	ISOL	ISOL	ISOL
7. Odisha	ISOL	ISOL	ISOL	DRY	DRY
8. Jharkhand	DRY	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	ISOL	ISOL	ISOL	ISOL
10. East Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
11. West Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
12. Uttarakhand	DRY	DRY	DRY	ISOL	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	ISOL
14. Punjab	DRY	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	DRY	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	ISOL	ISOL	SCT	ISOL	ISOL
17. West Rajsthan	DRY	DRY	DRY	ISOL	ISOL
18. East Rajasthan	DRY	DRY	DRY	ISOL	ISOL
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	ISOL	ISOL	ISOL	ISOL
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	DRY	ISOL	ISOL
32. Coastal Karnataka	ISOL	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	ISOL	DRY	DRY	DRY	DRY
35. Kerala	ISOL	ISOL	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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

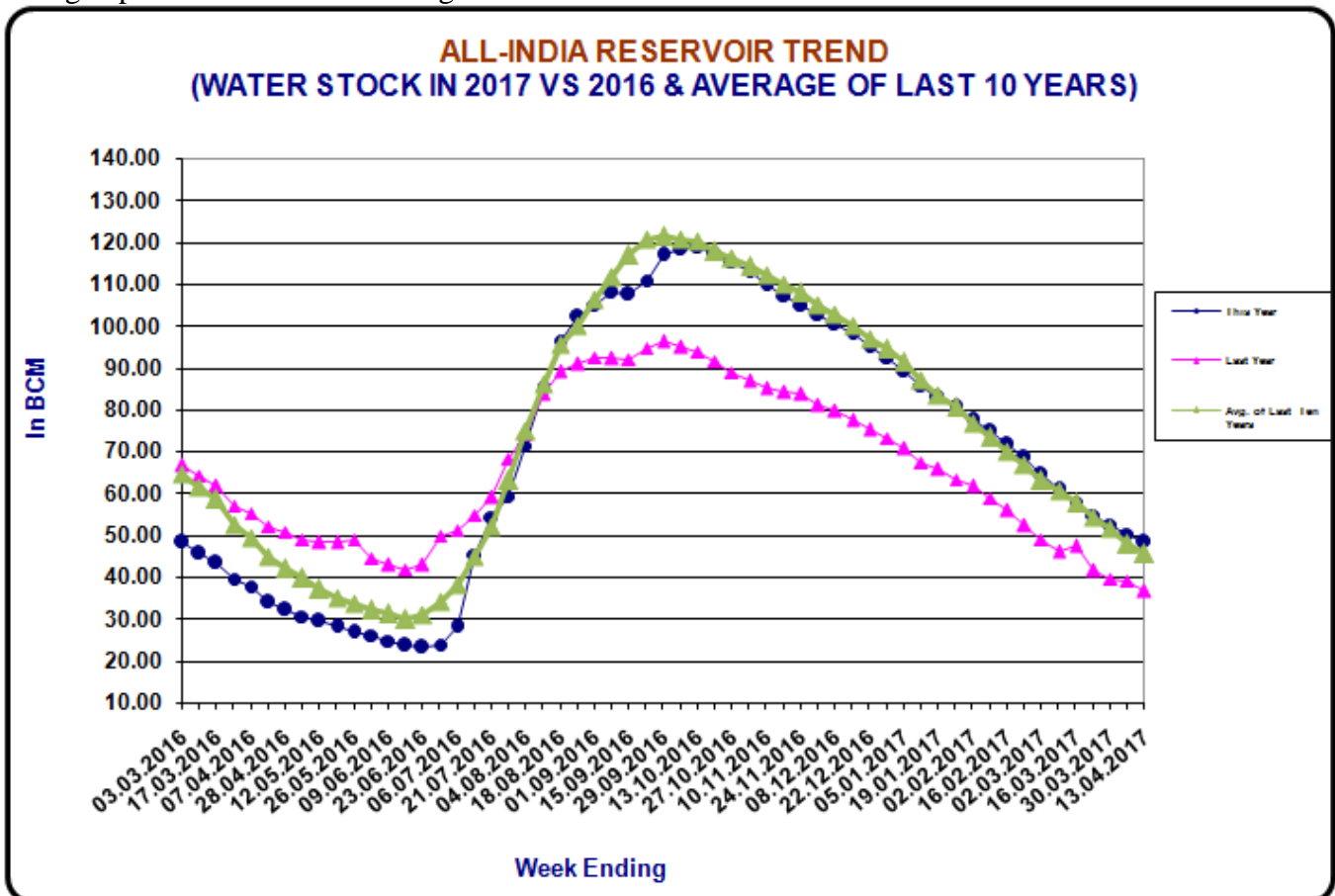
## 2. Reservoir Status (For the week ending on 13.04.2017)

- **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 48.42 BCM from the previous week's level of 50.24 BCM. Current storage is higher than the last year's position of 36.65 BCM and the average of last 10 year's storage of 45.68 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	31	132	106
Last Week	32	128	105
The percentage to live capacity at FRL was 23% on 13/04/2016, 33% on 13/04/2015, 38% on 13/04/2014 and 30% on 13/04/2013.			
<i>Source: CWC</i>			

There were 50 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%, 13 reservoirs having storage upto 30% of Normal 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 2016-17 (As on 11.04.2017)**

<i>(in '000 Tonnes)</i>					
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 11.04.2017	1904	708	120	778	242
Sales upto 11.04.2017	61	4	7	8	8
Closing Stock upto 11.04.2017	1843	704	113	770	234

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

### 4. Pest & Diseases:

- Incidence of Red rot, stem borer, Stalk borer in **Trace** intensity on sugarcane has been reported in Haridwar & Dehradun districts of Uttarakhand state; Pyrilla, Internode borer, Termite & Rodents in **Trace** intensity and Red rot in **Trace to Low** intensity in Sitapur, Bareilly, Pilibhit, Lakhimpur Khiri districts of Uttar Pradesh state. Early Shoot borer in **Trace** intensity in Basti, Deoria, Gorakhpur, Sant Kabir nagar, Faizabad, Kushinagar, Siddarthnagar districts of Uttar Pradesh state. The Crop stage is at Planting to harvesting.
- Incidence of Mango hopper, Stem borer, Bark Eating Caterpillar and Mealy in **Trace to Low** intensity on Mango has been reported in Lucknow, Sitapur, Hardoi and Bareilly districts of Uttar Pradesh state. The plant stage is Inflorescence to fruit setting.
- Incidence of Stem borer, Paddy stem rot, Fe deficiency in **trace** intensity on Rice has been reported in Medak, Medchal, Sangareddy, Rangareddy, Nalgonda districts of Telangana state. The crop is at booting to flowering stage.
- Incidence of Rice blast, Bacterial leaf blight, Sheath blight and sheath rot in **Trace** intensity on Rice has been reported in West Godavari district of Andhra Pradesh state. The crop is at harvesting stage.
- Incidence of Leaf spot in **Trace** intensity on Groundnut has reported in Janagoan and Kothaguden districts of Telangana state. The crop stage is at flowering to peg initiation.
- Incidence of Aphid, Leaf Eating Caterpillar, Tikka disease and Wilt in **Trace** intensity on Groundnut has reported in Mayurbhanj, Jajpur, Keonjhar, Cuttack, and Sambalpur districts of Odisha State. The crop stage is at vegetative to peg formation.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. Progressive procurement of Kharif Rice as on 13.04.2017 (lakh tonnes)

Table: 5.1

State	Total procurement in marketing season 2015-16 (Oct. – Sept.)	Progressive Procurement as on 13.04.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	43.36	25.92	30.19
Telangana	15.79	11.14	10.36
Chhattisgarh	34.42	46.62	39.72
Haryana	28.61	35.70	28.61
Kerala	3.82	2.51	2.98
Madhya Pradesh	8.49	13.14	8.41
Maharashtra	2.30	2.46	1.59
Odisha	33.69	25.09	25.21
Punjab	93.50	110.47	93.50
Tamil Nadu	11.92	1.40	9.33
Uttar Pradesh	29.10	23.54	29.10
Uttrakhand	5.98	7.06	5.97
West Bengal	15.68	14.72	11.88
All-India	342.18	333.70	311.62