

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: 07.06.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 02.06.2017.

Summary observations of the Group on Agenda Items

- *In the Pre Monsoon season, at All-India level, the rainfall during the week (25th May, 2017 – 31st May, 2017) has been 17% 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 57% in North West India, 21% in Central India, 12% in East & North East India and 04% in South Peninsula.*
- *The cumulative rainfall in the country during the Pre monsoon season i.e. 01st March to 31st May, 2017 has been 02% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher by 13% in East & North East India but lower than LPA by 41% in Central India, 9% in South Peninsula and 8% in North West India.*
- *Out of 36 met sub-divisions, 05 met subdivisions constituting 14% of the total area of the country has received large excess/excess rainfall, 13 met sub-divisions constituting 34% of the total area of the country has received normal rainfall, 15 met sub-divisions constituting 44% of the total area of the country has received deficient and 03 met sub-divisions constituting 08% of the total area of the country has received large deficient rainfall.*
- *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 01st June, 2017 has been 33.41 BCM as against 26.03 BCM on 01.06.2016 (last year) and 31.77 BCM of normal (average of the last 10 years) storage. Current year's storage is 128% of last year's storage and 105% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 01.06.2017 for 2016-17 was 375.46 lakh tonnes against the procurement of 330.61 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 298.54 lakh tonnes against the procurement of 229.28 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 31st May, 2017

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

- **Rainfall during the week (25th May, 2017 to 31st May, 2017)** Rainfall was large excess/excess in 18 subdivision, normal in 11, deficient/large deficient in 06 and no rain in 01 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2017 to 31st May, 2017)** Rainfall was large excess/excess in 05, normal in 13 and deficient/large deficient in 18 sub-divisions out of 36 meteorological sub-divisions.

Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (31.05.2017)				Cumulative (01.03.17 to 31.05.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	10.5	6.7	57	E	102.5	111.6	-8	N
Central India	7.7	6.4	21	E	23.6	40.0	-41	D
South Peninsular India	20.6	19.9	4	N	112.2	123.7	-9	N
East & North-East India	58.9	52.5	12	N	419.4	372.3	13	N
Country as a whole	19.3	16.5	17	N	128.4	131.5	-2	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: 1st Mar. to 31st May, 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st March to 31st May, 2017</i>					
	31 MAY 2012	31 MAY 2013	31 MAY 2014	31 MAY 2015	31 MAY 2016	31 MAY 2017
Large Excess	-	-	-	-	-	02
Excess	08	04	15	26	08	03
Normal	14	12	12	08	16	13
Total	22	16	27	34	24	18
Deficient	09	13	07	02	09	15
Large Deficient	-	-	-	-	-	03
Scanty	05	07	02	00	03	-
No rain	00	00	00	00	00	00
Total	14	20	09	02	12	18
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 31%	(-) 22%	(-) 1%	38%	0%	(-) 2%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 05th June, 2017 to 09th June, 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	25 MAY	26 MAY	27 MAY	28 MAY	29 MAY	30 MAY	31 MAY
1	ANDAMAN & NICO.ISLANDS	WS	WS	WS	WS	FWS	WS	WS
2	ARUNACHAL PRADESH	WS	WS	FWS	SCT	ISOL	WS	WS*
3	ASSAM & MEGHALAYA	WS	WS	SCT	ISOL	ISOL	WS	WS
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	SCT	SCT	SCT	SCT	WS	WS**
5	SUB-HIM.W. BENG. & SIKKIM	FWS	FWS	WS	FWS	ISOL	SCT	WS
6	GANGETIC WEST BENGAL	DRY	ISOL	WS	ISOL	SCT	ISOL	FWS
7	ODISHA	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
8	JHARKHAND	ISOL	SCT	FWS	DRY	SCT	SCT	SCT
9	BIHAR	ISOL	SCT	WS	ISOL	FWS	ISOL	SCT
10	EAST UTTAR PRADESH	DRY	ISOL	SCT	ISOL	SCT	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	ISOL	SCT	FWS	ISOL	ISOL
12	UTTARAKHAND	ISOL	FWS	WS	FWS	WS	SCT	FWS
13	HARYANA CHD. & DELHI	DRY	DRY	DRY	ISOL	FWS	ISOL	ISOL
14	PUNJAB	DRY	DRY	ISOL	DRY	SCT	DRY	FWS
15	HIMACHAL PRADESH	ISOL	ISOL	WS	ISOL	FWS	SCT	FWS
16	JAMMU & KASHMIR	ISOL	DRY	SCT	DRY	SCT	DRY	FWS
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	DRY	ISOL	SCT	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	DRY	ISOL	DRY	ISOL	SCT	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	DRY	ISOL	ISOL	FWS	FWS
24	MADHYA MAHARASHTRA	DRY	ISOL	ISOL	DRY	ISOL	ISOL	SCT
25	MARATHAWADA	DRY	ISOL	ISOL	ISOL	DRY	DRY	ISOL
26	VIDARBHA	DRY	DRY	DRY	ISOL	SCT	ISOL	ISOL
27	CHHATTISGARH	DRY	ISOL	ISOL	FWS	SCT	ISOL	SCT
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	FWS	ISOL	ISOL	DRY	DRY
29	TELANGANA	DRY	ISOL	SCT	ISOL	SCT	DRY	ISOL
30	RAYALASEEMA	ISOL	ISOL	FWS	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	SCT	FWS	WS
33	NORTH INT.KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
34	SOUTH INT.KARNATAKA	SCT	ISOL	FWS	SCT	ISOL	ISOL	SCT
35	KERALA	SCT	FWS	FWS	SCT	FWS	WS*	WS*
36	LAKSHADWEEP	SCT	SCT	SCT	SCT	SCT	WS	WS
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%)	DRY	NO STATION REPORTED RAINFALL			
* ACTIVE (R/F $1\frac{1}{2}$ - 4 times the normal & WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)								
** VIGOROUS (R/F More than 4 times the normal & WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)								
• 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	05-Jun Today	06Jun Tue	07Jun Wed	08Jun Thu	09Jun Fri
1. Andaman & Nicobar Islands	FWS	WS	WS	WS	WS
2. Arunachal Pradesh	SCT	SCT	SCT	FWS	FWS
3. Assam & Meghalaya	FWS	SCT	FWS	WS	WS
4. N. M. M. & T.	FWS	SCT	FWS	WS	WS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	ISOL	FWS	FWS	FWS	FWS
7. Odisha	ISOL	SCT	SCT	FWS	FWS
8. Jharkhand	ISOL	FWS	FWS	FWS	FWS
9. Bihar	ISOL	FWS	FWS	FWS	FWS
10. East Uttar Pradesh	ISOL	SCT	FWS	FWS	FWS
11. West Uttar Pradesh	ISOL	ISOL	SCT	SCT	SCT
12. Uttarakhand	ISOL	SCT	WS	WS	WS
13. Haryana, Chd & Delhi	DRY	ISOL	SCT	SCT	SCT
14. Punjab	ISOL	ISOL	SCT	SCT	SCT
15. Himachal Pradesh	ISOL	SCT	FWS	WS	WS
16. Jammu & Kashmir	ISOL	FWS	WS	FWS	FWS
17. West Rajsthan	DRY	DRY	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	SCT	SCT	SCT	SCT
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	SCT	SCT	SCT	SCT	SCT
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	SCT	FWS	FWS	FWS	FWS
24. Madhya Maharashtra	SCT	FWS	SCT	SCT	SCT
25. Marathawada	FWS	FWS	FWS	FWS	FWS
26. Vidharbha	ISOL	SCT	SCT	SCT	SCT
27. Chhattisgarh	SCT	SCT	SCT	SCT	SCT
28. Coastal Andhra Pradesh	ISOL	SCT	SCT	FWS	FWS
29. Telangana	SCT	FWS	FWS	FWS	FWS
30. Rayalaseema	ISOL	SCT	SCT	SCT	SCT
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	FWS	FWS
33. North Interior Karnataka	SCT	SCT	FWS	FWS	FWS
34. South Interior Karnataka	SCT	SCT	FWS	FWS	FWS
35. Kerala	WS	FWS	SCT	SCT	SCT
36. Lakshadweep	WS	FWS	SCT	SCT	SCT

% 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		

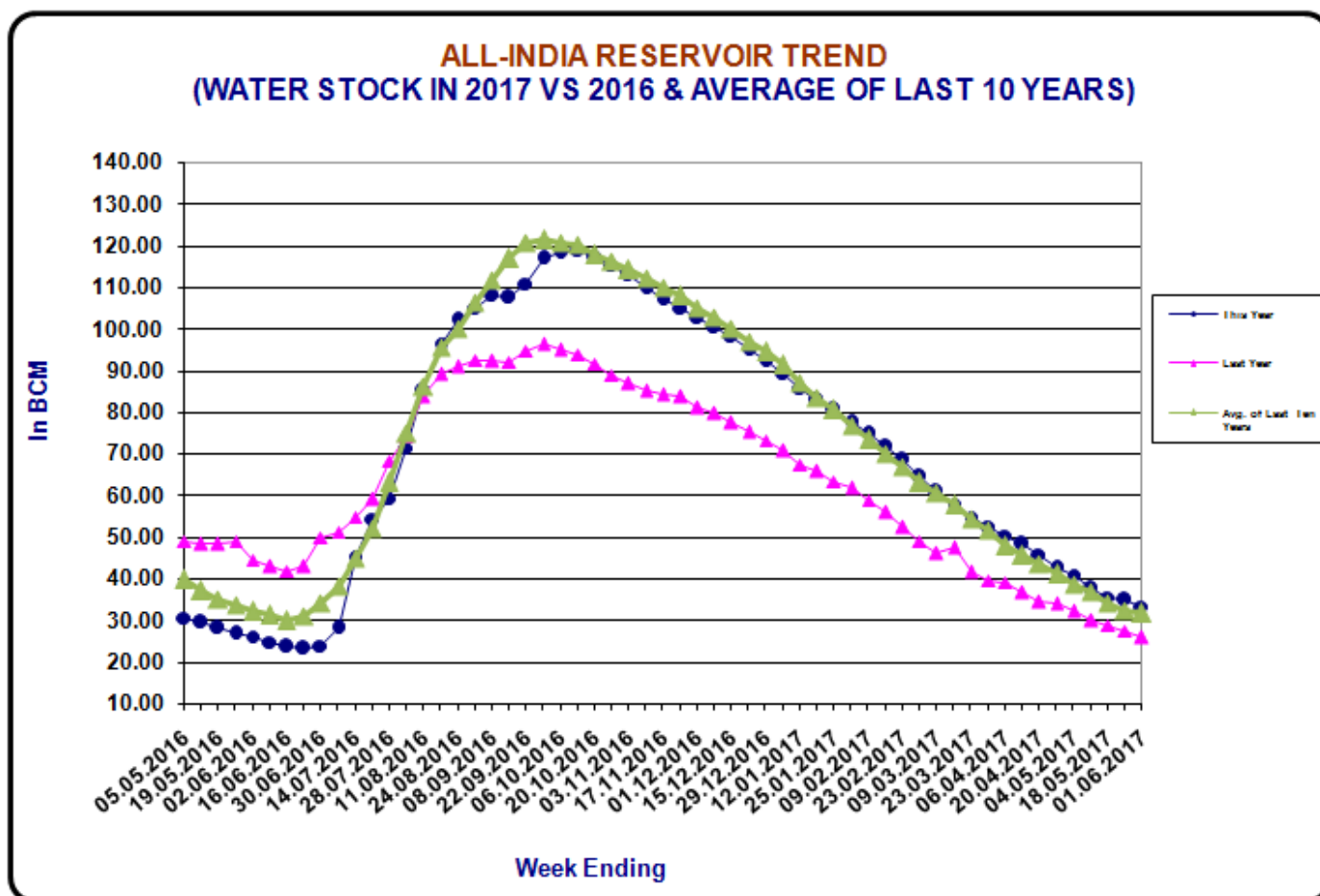
2. Reservoir Status (For the week ending on 01.06.2017)

- **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 33.41 BCM from the previous week's level of 35.05 BCM. Current storage is higher than the last year's position of 26.03 BCM and the average of last 10 year's storage of 31.77 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	21	128	105
Last Week	22	127	109
The percentage to live capacity at FRL was 16% on 01/06/2016, 26% on 01/06/2015, 27% on 01/06/2014 and 21% on 01/06/2013.			
<i>Source: CWC</i>			

There were 45 reservoirs having storage more than 80% of normal storage, 13 reservoirs having storage between 50% to 80%, 15 reservoirs having storage between 30% to 50%, 18 reservoirs having storage upto 30% of Normal Storage and 06 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 31.05.2017)

(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 May, 2017	1897	720	209	556	356
Availability upto 31.05.2017	5030	1554	610	1494	648
Sales upto 31.05.2017	2394	577	292	324	313
Closing Stock upto 31.05.2017	2636	977	318	1169	336

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

4. Pest & Diseases:

- Incidence of Slug caterpillar on Coconut has been reported in **moderate** intensity in Ferrargunj block of South Andaman district of Andaman & Nicobar Island.
- Incidence of Rugose spiralling whitefly on coconut, guava and banana orchard has been reported in Mulki, Karnad, Kolnad and Dharmastana blocks of Mangalore district of Karnataka State.
- Mango growing area should be free from these pests under Pest Free Area (PFA) as per NSPM-13. However, incidence of Mango nut weevil on Mango has been reported in **traces** in Vizianagaram, West Godavari, Krishna, Prakasham, Chittoor, Kadapa & Kurnool districts of Andhra Pradesh State; in **low** intensity in Krishnagiri district of Tamilnadu State and in **low to moderate** intensity on Mango has been reported in Bengaluru Rural, Kolar, Chikkaballapur&Ramanagara districts of Karnataka State.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. Progressive procurement of Rice as on 01.06.2017 (lakh tonnes)

Table: 5.1

State	Total procurement in marketing season 2015-16 (Oct. – Sept.)	Progressive Procurement as on 01.06.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	43.36	35.72	42.12
Telangana	15.79	33.27	15.52
Chhattisgarh	34.42	46.62	34.42
Haryana	28.61	35.83	28.61
Kerala	3.82	3.07	3.75
Madhya Pradesh	8.49	13.14	8.41
Maharashtra	2.30	2.62	1.61
Odisha	33.69	29.57	27.88
Punjab	93.50	110.52	93.50
Tamil Nadu	11.92	1.41	10.55
Uttar Pradesh	29.10	23.54	29.10
Uttrakhand	5.98	7.06	5.97
West Bengal	15.68	18.75	13.84
All-India	342.18	375.46	330.61

6. Progressive procurement of Wheat as on 01.06.2017 (lakh tonnes)

Table: 6.2

State	Total procurement in marketing season 2016-17 (April – March)	Progressive Procurement as on 01.06.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	67.52	74.11	67.28
Madhya Pradesh	39.92	67.24	39.90
Punjab	106.49	117.05	106.49
Rajasthan	7.62	11.39	7.53
Uttar Pradesh	7.97	28.58	7.97
All-India	229.62	298.54	229.28