

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: 10.07.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 07.07.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (29th June, 2017 – 05th July, 2017) has been 21% 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 82% in North West India, 21% in East & North East India and 18% in Central India but lower than LPA by 43% in South Peninsula.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 05th July, 2017 has been 5% 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 47% in North West India & 5% in Central India but lower than LPA by 9% in East & North East India and 1% in South Peninsula.*
- *Out of 36 met sub-divisions, 04 met subdivisions constituting 16% of the total area of the country has received large excess, 08 met subdivisions constituting 22% of the total area of the country has received excess rainfall, 21 met sub-divisions constituting 57% of the total area of the country has received normal rainfall and 03 met sub-divisions constituting 5% of the total area of the country has received deficient.*
- *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 06th July, 2017 has been 33.11 BCM as against 27.96 BCM on 06.07.2016 (last year) and 36.86 BCM of normal (average of the last 10 years) storage. Current year's storage is 118% of last year's storage and 90% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 38.1% of the normal area under Kharif crops has been sown upto 07.07.2017. Area sown under all Kharif crops taken together has been reported to be 404.27 lakh hectares at All India level as compared to 371.39 lakh hectares in the corresponding period of last year.*
- *As compared to normal area as on date, total area coverage this year is higher by 4.5 lakh ha. under Rice, 2.7 lakh ha. under Urad, 2.4 lakh ha. under Moong, 11.5 lakh ha. under Bajra, 3.9 lakh ha. under Cotton, 2.7 lakh ha. under Sugarcane and lower by 1.0 lakh ha. under Groundnut.*

- *Higher production of pulses expected this year on account of higher area coverage under pulses this year as compared to the corresponding period of last year.*
- *All-India progressive procurement of Rice as on 07.07.2017 for 2016-17 was 386.53 lakh tonnes against the procurement of 340.68 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 308.01 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

1. **Monsoon Season (June – September) during the week ending on 05th July, 2017**

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

- **Rainfall during the week (29th June, 2017 to 05th July, 2017)** Rainfall was large excess/excess in 16 subdivision, normal in 11 and deficient/large deficient in 09 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2017 to 05th July, 2017)** Rainfall was large excess/excess in 12, normal in 21 and deficient in 03 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (05.07.2017)				Cumulative (01.06.17 to 05.07.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	63.6	34.9	82	LE	138.6	94.5	47	E
Central India	77.1	65.5	18	N	223.8	212.8	5	N
South Peninsular India	28.1	48.9	-43	D	192.9	194.3	-1	N
East & North-East India	124.6	102.6	21	E	385.4	425.2	-9	N
Country as a whole	70.9	58.7	21	E	217.3	206.7	5	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 June to 05th July, 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 05th July, 2017</i>					
	04 JUL 2012	03 JUL 2013	02 JUL 2014	08 JUL 2015	06 JUL 2016	05 JUL 2017
Large Excess	-	-	-	-	-	04
Excess	00	21	00	04	14	08
Normal	10	11	05	23	18	21
Total	10	32	05	27	32	33
Deficient	17	04	20	09	04	03
Large Deficient	-	-	-	-	-	00
Scanty	09	00	11	00	00	-
No rain	00	00	00	00	00	00
Total	26	04	31	09	04	03
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 30%	27%	(-) 43%	(-) 4%	1%	5%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 10th July, 2017 to 14th July, 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	29 JUN	30 JUN	01 JUL	02 JUL	03 JUL	04 JUL	05 JUL
1	ANDAMAN & NICO.ISLANDS	WS	SCT	FWS	SCT	SCT	SCT	FWS
2	ARUNACHAL PRADESH	FWS	WS*	WS*	WS*	WS	WS	WS
3	ASSAM & MEGHALAYA	FWS	WS	WS*	WS	WS	WS*	WS
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS	WS	WS	WS	WS*	WS
5	SUB-HIM.W. BENG. & SIKKIM	FWS	FWS*	WS	WS	WS	WS	WS
6	GANGETIC WEST BENGAL	FWS	SCT	SCT	WS*	WS	WS	FWS
7	ODISHA	FWS	SCT	FWS	SCT	SCT	FWS	SCT
8	JHARKHAND	SCT	SCT	SCT	WS*	WS*	WS	WS*
9	BIHAR	ISOL	ISOL	FWS	WS	WS*	WS*	WS*
10	EAST UTTAR PRADESH	ISOL	SCT	SCT	FWS*	FWS*	FWS*	WS*
11	WEST UTTAR PRADESH	WS	SCT	SCT	FWS*	SCT	FWS*	FWS*
12	UTTARAKHAND	WS	WS	FWS	WS	WS*	FWS	FWS*
13	HARYANA CHD. & DELHI	WS	WS	WS	WS**	SCT	ISOL	ISOL
14	PUNJAB	WS	WS	SCT	DRY	SCT	ISOL	SCT
15	HIMACHAL PRADESH	WS	WS	FWS	SCT	FWS*	SCT	ISOL
16	JAMMU & KASHMIR	WS	WS	FWS	ISOL	SCT	ISOL	SCT
17	WEST RAJASTHAN	FWS	FWS**	FWS**	SCT	SCT	ISOL	DRY
18	EAST RAJASTHAN	WS*	FWS	SCT	SCT	FWS*	SCT	ISOL
19	WEST MADHYA PRADESH	FWS	SCT	SCT	SCT	FWS	FWS	ISOL
20	EAST MADHYA PRADESH	FWS*	WS*	FWS*	SCT	FWS	WS	FWS*
21	GUJARAT REGION D.D. & N.H.	FWS*	WS*	WS*	WS*	WS*	WS*	SCT
22	SAURASTRA KUTCH & DIU	FWS*	WS**	WS*	WS**	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS*	WS*	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	FWS	FWS*	FWS*	FWS*	FWS	FWS	FWS
25	MARATHAWADA	ISOL	ISOL	DRY	ISOL	SCT	ISOL	ISOL
26	VIDARBHA	SCT	FWS	FWS	WS*	WS	SCT	FWS
27	CHHATTISGARH	FWS	FWS	FWS	FWS	WS	WS	FWS
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	SCT	SCT	SCT	ISOL
29	TELANGANA	ISOL	SCT	FWS	ISOL	SCT	ISOL	ISOL
30	RAYALASEEMA	ISOL	DRY	ISOL	ISOL	ISOL	ISOL	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS	WS	WS
33	NORTH INT.KARNATAKA	FWS	SCT	FWS	SCT	ISOL	FWS	SCT
34	SOUTH INT.KARNATAKA	FWS	FWS	FWS	FWS	SCT	FWS	FWS
35	KERALA	WS	WS	WS	WS	WS	WS	FWS
36	LAKSHADWEEP	WS	FWS	WS	WS	WS	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 with 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 with 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)
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Table: 1.4

Met-Sub-Division	10 Jul Today	11 Jul Tue	12 Jul Wed	13 Jul Thu	14 Jul Fri
1. Andaman & Nicobar Islands	FWS	FWS	WS	WS	FWS
2. Arunachal Pradesh	WS	WS	FWS	FWS	WS
3. Assam & Meghalaya	WS	WS	FWS	FWS	FWS
4. N. M. M. & T.	WS	WS	WS	FWS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	FWS
6. Gangetic West Bengal	FWS	WS	WS	WS	FWS
7. Odisha	FWS	FWS	WS	WS	WS
8. Jharkhand	WS	WS	WS	WS	WS
9. Bihar	WS	WS	WS	FWS	FWS
10. East Uttar Pradesh	WS	WS	WS	WS	FWS
11. West Uttar Pradesh	SCT	FWS	FWS	FWS	SCT
12. Uttarakhand	WS	WS	WS	WS	FWS
13. Haryana, Chd & Delhi	ISOL	SCT	FWS	FWS	ISOL
14. Punjab	SCT	FWS	WS	FWS	ISOL
15. Himacha Pradesh	FWS	WS	WS	WS	FWS
16. Jammu & Kashmir	SCT	FWS	FWS	FWS	SCT
17. West Rajasthan	DRY	ISOL	SCT	SCT	FWS
18. East Rajasthan	ISOL	SCT	FWS	FWS	WS
19. West Madhya Pradesh	ISOL	ISOL	SCT	FWS	WS
20. East Madhya Pradesh	SCT	SCT	FWS	FWS	WS
21. Gujarat Region	SCT	SCT	FWS	WS	WS
22. Saurashtra & Kutch	SCT	SCT	FWS	FWS	FWS
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	ISOL	SCT	SCT	FWS	FWS
25. Marathawada	ISOL	ISOL	SCT	FWS	FWS
26. Vidharbha	ISOL	ISOL	SCT	FWS	WS
27. Chhattisgarh	FWS	FWS	FWS	FWS	WS
28. Coastal Andhra Pradesh	SCT	SCT	FWS	FWS	WS
29. Telangana	SCT	SCT	FWS	FWS	FWS
30. Rayalaseema	ISOL	SCT	SCT	SCT	FWS
31. Tamilnadu & Puducherry	ISOL	ISOL	SCT	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	FWS
33. North Interior Karnataka	SCT	SCT	FWS	FWS	FWS
34. South Interior Karnataka	SCT	FWS	FWS	FWS	FWS
35. Kerala	FWS	FWS	FWS	WS	FWS
36. Lakshadweep	FWS	FWS	WS	WS	FWS

% 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		

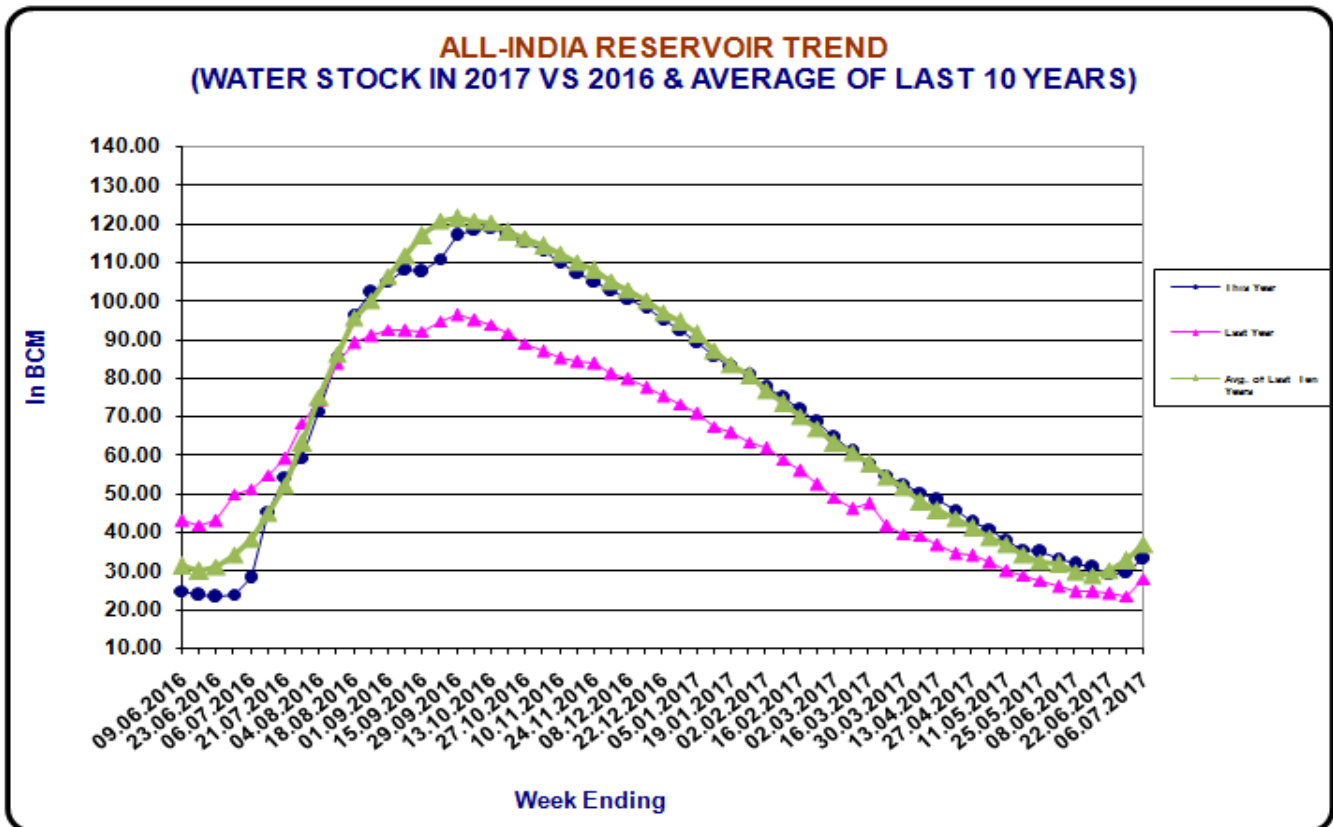
2. Reservoir Status (For the week ending on 06.07.2017)

- **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 increased to 33.11 BCM from the previous week's level of 29.39 BCM. Current storage is higher than the last year's position of 27.96 BCM and lower than the average of last 10 year's storage of 36.86 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	118	90
Last Week	19	125	90
The percentage to live capacity at FRL was 18% on 06/07/2016, 31% on 06/07/2015, 24% on 06/07/2014 and 33% on 06/07/2013.			
<i>Source: CWC</i>			

There were 46 reservoirs having storage more than 80% of normal storage, 16 reservoirs having storage between 50% to 80%, 12 reservoir having storage between 30% to 50%, 17 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 2017 (As on 06.07.2017)

(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 July, 2017	2845	907	365	1030	517
Availability upto 06.07.2017	7692	2428	956	2206	1097
Sales upto 06.07.2017	5280	1586	698	1001	788
Closing Stock upto 06.07.2017	2411	842	261	1205	308

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

4. Pest & Diseases:

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

5. All India Crop Situations

Table: 5.1

All India Crop Situation - Kharif (2017-18) as on 07.07.2017

(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2017	% of Normal for whole season	Last Year 2016	Normal as on date	Last Year
Rice	395.94	86.70	79.81	20.2	75.28	-6.9	4.5
Jowar	23.46	6.94	6.21	26.5	7.19	-0.7	-1.0
Bajra	76.66	16.38	30.35	39.6	18.88	14.0	11.5
Maize	73.30	37.28	41.49	56.6	41.23	4.2	0.3
Total Coarse Cereals	192.06	63.77	80.78	42.1	70.11	17.0	10.7
Total Cereals	588.01	150.47	160.59	27.3	145.39	10.1	15.2
Tur	39.24	9.11	14.25	36.3	15.10	5.1	-0.9
Urad	24.79	4.32	10.13	40.9	7.40	5.8	2.7
Moong	23.41	6.25	12.49	53.4	10.08	6.2	2.4
Kulthi	2.40	0.06	0.04	1.7	0.10	0.0	-0.1
Others	15.74	2.25	7.20	45.7	3.20	4.9	4.0
Total Pulses	105.58	22.00	44.11	41.8	35.88	22.1	8.2
Total Foodgrains	693.59	172.47	204.70	29.5	181.27	32.2	23.4
Groundnut	41.49	16.02	16.30	39.3	17.30	0.3	-1.0
Soyabean	110.36	47.96	53.57	48.5	48.56	5.6	5.0
Sunflower	2.29	0.59	0.53	23.2	0.91	-0.1	-0.4
Sesamum	17.97	2.48	2.11	11.7	2.51	-0.4	-0.4
Nigerseed	2.92	0.15	0.07	2.3	0.14	-0.1	-0.1
Castorseed	11.84	0.55	0.29	2.5	0.32	-0.3	0.0
Total Oilseeds	186.86	67.75	72.87	38.99	69.74	5.1	3.1
Cotton	122.45	71.70	71.82	58.7	67.89	0.1	3.9
Sugarcane	50.05	45.00	47.93	95.8	45.22	2.9	2.7
Jute & Mesta	8.39	7.74	6.95	82.8	7.27	-0.8	-0.3
All- Crops	1061.34	364.66	404.27	38.1	371.39	39.6	32.9

Source: Crops & TMOP Divisions, DAC

Note: Area figures are as per eye assessment of State Agriculture Departments.

Normal Area: 5 years average of the area during the period of 2011-12 to 2015-16.

6. Progressive procurement of Rice as on 07.07.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 07.07.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.10	43.27
Telangana	30.00	35.92	15.80
Bihar	20.00	12.34	12.23
Chhattisgarh	35.00	46.62	34.42
Haryana	29.00	35.83	28.61
Kerala	2.22	3.08	3.76
Madhya Pradesh	9.00	13.14	8.41
Maharashtra	3.25	3.06	2.29
Odisha	31.00	35.70	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.42	11.04
Uttar Pradesh	33.50	23.54	29.10
Uttrakhand	6.00	7.06	5.97
West Bengal	25.00	19.18	15.45
All-India	380.00	386.53	340.68

7. Progressive procurement of Wheat as on 07.07.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 07.07.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.11	67.52
Madhya Pradesh	85.00	67.24	39.92
Punjab	115.00	117.05	106.49
Rajasthan	17.50	12.45	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	308.01	229.62