

**F. No. 3-1/ 2015-16-CFCC-E&S
GOVERNMENT OF INDIA
MINISTRY OF AGRICULTURE
DEPARTMENT OF AGRICULTURE & COOPERATION
(CROP FORECAST COORDINATION CENTRE)**

Room No. 344-A, Krishi Bhawan, New Delhi

Dated: 28.07.2015

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
24.07.2015.**

Summary observations of the Group on Agenda Items

- **Details of the mean maximum temperature during the week 16th July to 22nd July, 2015, were as under:-**
 - *Above normal by more than 4°C over isolated pockets of Telangana and Madhya Maharashtra, by 2 to 4°C over many parts of West Rajasthan, Gujarat, Telangana, Coastal Andhra Pradesh, Marathwada, Madhya Maharashtra, North Interior Karnataka, some parts of Rayalaseema, South Interior Karnataka, Tamil Nadu, isolated pockets of Arunachal Pradesh, Konkan & Goa, Vidarbha, West Madhya Pradesh, East Rajasthan, Chhattisgarh, Coastal & South Interior Karnataka.*
 - *Normal to near normal in remaining parts of the country.*
- **Details of the mean minimum temperature during the week 16th July to 22nd July, 2015, were as under:-**
 - *Above normal by 2 to 4°C over isolated pockets of Himachal Pradesh, West Rajasthan and Gujarat.*
 - *Below normal by 2 to 4°C over isolated pockets of Bihar and Jammu & Kashmir.*
 - *Normal to near normal in remaining parts of the country.*
- *In the monsoon season, weekly Rainfall for the country as a whole during the week 16th July to 22nd July, 2015 was 12% lower than Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was lower by 3% in East & North East India, 12% in Central India, 11% in South Peninsula and 20% in North West India.*
- *In the monsoon season, cumulative Rainfall for the country as a whole during the period 1st June to 22nd July, 2015 was 7% lower than Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was higher by 6% in North West India and lower by 6% in East & North East India, 13% in Central India and 12% in South Peninsula.*
- *Out of a total of 36 met sub-divisions, 24 met sub-divisions constituting 72% of the total area of the country has received excess/normal rainfall and 12 met sub-divisions constituting 28% of the total area of the country has received deficient rainfall.*

- *Out of 613 districts, 132 districts (22%) received excess, 246 districts (40%) received normal, 203 districts (33%) received deficient and 32 districts (5%) received scanty rainfall during the above period.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 157.80 BCM at Full Reservoir Level (FRL). Current live storage in these reservoirs as on 23rd July, 2015 was 58.60 BCM as against 50.77 BCM on 23.07.2014 (last year) and 54.20 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 115% of the last year's storage and 108% of the normal storage.*
- *As per latest information available on sowing of Kharif crops, around 65.5% of the normal area under Kharif crops has been sown upto 24.07.2015. Area sown under all Kharif crops taken together has been reported to be 693.83 lakh hectares at All India level as compared to 550.42 lakh hectares in the corresponding period of last year.*
- *Area coverage was higher by 2.8 lakh ha. under Bajra, 3.7 lakh ha. under Maize, 4.2 lakh ha. under Urad, 3.6 lakh ha. under Moong, 15.7 lakh ha. under Soyabean, 3.1 lakh ha. under Sesamum and 4.6 lakh ha. under Cotton . Area coverage was lower by 6.1 lakh ha. under Rice[U.P. (4.26), Odisha (2.91)], 3.3 lakh ha. under Jowar and 2.7 lakh ha. under Sugarcane [U.P. (1.75), A.P.(0.65)] as compared to average area (as on date).*
- *The All Commodities inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of June, 2015, decreased to (-)2.40% from the level of (-)2.36 in the month of May, 2015. The inflation rate was 5.66% during the corresponding period of last year.*
- *The Primary Articles inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of June, 2015, increased to (-) 0.76% from the level of (-) 0.77% in the month of May, 2015. The inflation rate was 7.01% during the corresponding period of last year.*
- *The inflation for non-food items has increased to 1.06% from the previous month's level of (-) 2.24% and for the food items has decreased to 2.88% from the previous month's level of 3.80%.*
- *Among the foodgrains, Rice has increased to (-) 1.74% from the previous month's level of (-) 1.77% and Pulses to 33.67% from the previous month's level of 22.84%. The inflation for Cereals has decreased to (-) 0.43% from the previous month's level of (-) 0.13% and Wheat to 1.64% from the previous month's level of 2.79%.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

1. Monsoon Season (June – September) during the week ending on 22nd July, 2015

Sub-division-wise daily distribution of rainfall and minimum temperature are shown in Table-1.1
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- **Rainfall during the week (16th July, 2015 to 22nd July, 2015)** Rainfall was excess/normal in 15 and deficient/scanty in 21 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June to 22nd July, 2015)** Rainfall was excess/normal in 24 and deficient in 12 out of 36 meteorological sub-divisions.

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

Region	Week Ending (22.07.2015)				Cumulative (01.06.15 to 22.07.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	43.7	54.4	-20	D	232.3	218.2	6	N
Central India	68.3	77.8	-12	N	341.1	392.5	-13	N
South Peninsular India	44.8	50.2	-11	N	274.2	312.4	-12	N
East & North-East India	93.7	96.3	-3	N	625.2	667.3	-6	N
Country as a whole	60.2	68.1	-12	N	339.8	367.0	-7	N

E: Excess, N: Normal, D: Deficient, S: Scanty, 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

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to</i>					
	21 JUL 2010	20 JUL 2011	25 JUL 2012	24 JUL 2013	23 JUL 2014	22 JUL 2015
Excess	05	08	01	18	00	04
Normal	21	22	13	11	14	20
Total	26	30	14	29	14	24
Deficient	10	06	18	07	19	12
Scanty	00	00	04	00	03	00
No rain	00	00	00	00	00	00
Total	10	06	22	07	22	12
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 14%	(-) 1%	(-) 22%	16%	(-) 25%	(-) 7%

Source: IMD

1. North-west India - Uttar Pradesh, Rajasthan, Haryana, Chandigarh and Delhi, Punjab, Uttaranchal, Himachal Pradesh, and Jammu and Kashmir.
Central India - Madhya Pradesh, Chhattisgarh, Maharashtra and Gujarat

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

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

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE DAILY DISTRIBUTION OF RAINFALL-2015								
S.No.	SUB-DIVISIONS	RAINFALL						
		16 JULY	17 JULY	18 JULY	19 JULY	20 JULY	21 JULY	22 JULY
1	ANDAMAN & NICOBAR ISLANDS	WS	WS	FWS	SCT	WS	WS*	FWS
2	ARUNACHAL PRADESH	WS	ISOL	ISOL	ISOL	FWS	WS	FWS
3	ASSAM & MEGHALAYA	WS	SCT	ISOL	SCT	FWS	WS	WS
4	NAGA,MANI,MIZO.& TRIPURA	WS*	WS*	WS*	WS*	WS	WS	WS
5	SUB-HIM.WEST BENGAL & SIKKIM	WS	ISOL	SCT	FWS	FWS	SCT	FWS
6	GANGETIC WEST BENGAL	WS*	FWS	WS*	SCT	WS*	FWS	WS
7	ODISHA	FWS*	SCT	FWS	FWS	SCT	SCT	SCT
8	JHARKHAND	WS**	WS	FWS	ISOL	FWS	FWS	FWS
9	BIHAR	WS*	FWS	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	FWS*	FWS	SCT	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	SCT	SCT	ISOL	SCT	SCT	ISOL
12	UTTARAKHAND	ISOL	WS	SCT	FWS	FWS	FWS	FWS
13	HARYANA CHANDIGARH & DELHI	DRY	SCT	ISOL	FWS*	ISOL	ISOL	ISOL
14	PUNJAB	ISOL	FWS*	ISOL	SCT	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	FWS*	WS**	SCT	SCT	SCT	FWS	SCT
16	JAMMU & KASHMIR	ISOL	WS*	SCT	FWS	ISOL	FWS	ISOL
17	WEST RAJASTHAN	DRY	DRY	ISOL	SCT	SCT	SCT	SCT
18	EAST RAJASTHAN	ISOL	ISOL	SCT	FWS	FWS*	SCT	FWS
19	WEST MADHYA PRADESH	DRY	ISOL	FWS*	WS**	WS**	WS*	FWS
20	EAST MADHYA PRADESH	ISOL	SCT	FWS	FWS	SCT	FWS	SCT
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	FWS*
22	SAURASTRA KUTCH & DIU	ISOL	DRY	DRY	ISOL	ISOL	ISOL	FWS*
23	KONKAN & GOA	FWS	WS	WS	WS	WS	WS*	WS*
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
25	MARATHAWADA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	FWS
26	VIDARBHA	ISOL	ISOL	SCT	FWS	FWS	FWS	SCT
27	CHHATTISGARH	FWS	ISOL	FWS	FWS	SCT	SCT	ISOL
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	ISOL	SCT	SCT	SCT
29	TELANGANA	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
30	RAYALASEEMA	SCT	ISOL	ISOL	ISOL	SCT	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS*	WS	WS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	SCT	ISOL	ISOL	ISOL	ISOL
34	SOUTH INTERIOR KARNATAKA	SCT	SCT	SCT	FWS*	WS*	FWS	SCT
35	KERALA	WS	WS	WS*	WS*	WS	WS	WS
36	LAKSHADWEEP	FWS	WS	WS	WS**	WS	WS	WS

LEGENDS:					
WS	WIDE SPREAD / MOST PLACES (More than 75%)		FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)	
SCT	SCATTERED / FEW PLACES (26% to 50%)		ISOL	ISOLATED (Less than 25%)	
			DRY	DRY (Nil Rainfall)	
*	ACTIVE (3/4 1 st - 4 times the normal & WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)			**	VIGOROUS (3/4 More than 4 times the normal & WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)

2. Reservoir Status (For the week ending on 23.07.2015)

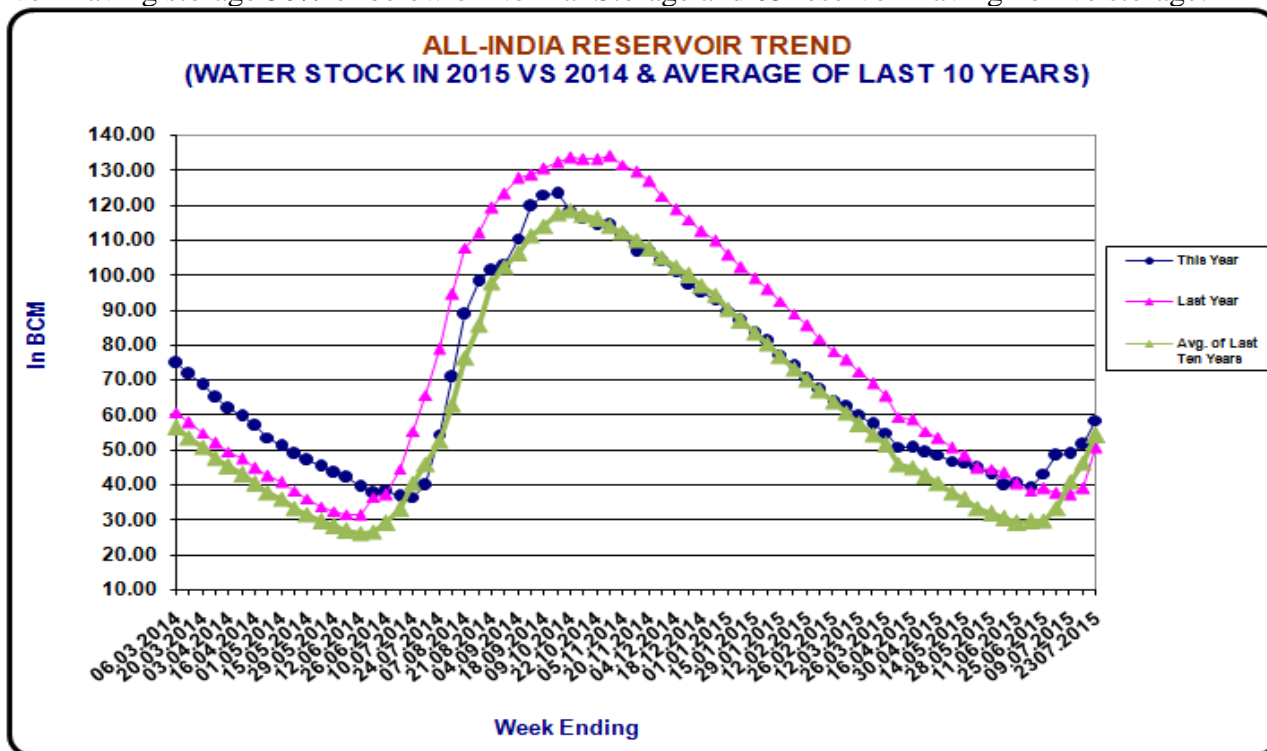
- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 74% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **increased to** 58.60 BCM from the previous week's level of 51.62 BCM. Current storage is **higher** than the last year's position of 50.77 BCM and more than the average of last 10 year's storage of 54.20 BCM.

Table – 2.1 : For 91 major reservoirs of the country

Period	Current Year's Storage as % of FRL*	Current Year's storage as % of last year	Current year as a % of 10 years average level
Current Week	37	115	108
Last Week	33	133	112
The percentage to live capacity at FRL was 32% on 23/07/2014, 47% on 23/07/2013, 19% on 19/07/2012 and 35% on 21/07/2011.			
* <i>Live storage as % to Full Reservoir Level (FRL) of 157.80 Billion Cub. Mts.(BCM)</i>			

Source: CWC

There were 60 reservoirs having storage more than 80%, 14 reservoirs having storage between 50% to 80% of Normal Storage, 09 reservoir having storage between 30% to 50% of Normal Storage and 08 reservoir having storage 30% or below of Normal Storage and 03 reservoir 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 2015 (As on 20.07.2015)

(in '000 Tonne)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2015	130	224	289	407	256
Requirement for Kharif, 2015	15490	5093	1831	5273	3311
Requirement upto July, 2015	3100	931	407	957	542
Availability upto 20.07.2015	8561	3337	892	2876	1466
Sales upto 20.07.2015	8003	2460	475	1929	961
Closing Stock as 20.07.2015	558	877	417	947	506

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

4. Pest & Diseases:

- Incidence of Citrus butterfly on Orange crop was reported in Trace to Moderate intensity village Loni, Block Arni of Yevatmal district of Maharashtra state. The crop was in 3 to 18 years old stage. The advisory to manage the infestation of this pest has been issued by the CIPMC, Nagpur.
- Incidence of Hairy caterpillar and Semi looper on Soyabean crop in Banswara district of South Rajasthan in Low to Moderate intensity and Hairy caterpillar on Soyabean crop in Mehsana, Patan, Sabarkantha & Banaskantha districts of Gujarat in Low intensity was recorded. The crop was in vegetative stage. The incharge of CIPMC, Sriganganagar was instructed to keep close monitoring of further spread of this pest.
- Incidence of Whitefly on Okra crop at fruiting stage was reported in Low to Moderate intensity in Mal/Malihabad District in Lucknow, Uttar Pradesh State. CIPMC stations at Lucknow and state Government of Uttar Pradesh were advised to take intensive monitoring and survey to prevent the spread of this pest in other fields. If situation warrants, recommended pesticides approved by CIB&RC may be suggested for control of this pest.
- An Advisory has been issued regarding the incidence of Cutworm in Trace to Low intensity and Snails in Moderate intensity on Maize crop at Sowing to Vegetative stage at Marh District in Jammu Division of Jammu & Kashmir state. The state Government and CIPMC Jammu were advised to keep close watch on further spread of this disease. The necessary control measures as recommended by CIB&RC may be advised to the farmers.
- The incidence of Mites on Coconut crop at vegetative to fruiting stage was reported in Trace to Moderate intensity in Puri District in Bhubaneswar, Odisha State. CIPMC station located at Bhubaneswar and state Government of Odisha were advised to take intensive monitoring and survey to prevent the spread of this pest in other fields. If situation warrants, recommended pesticides approved by CIB&RC may be suggested for control of this pest.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. Crop Situation:

Table: 5.1

All India Crop Situation - Kharif (2015-16) as on 24.07.2015							
							(In lakh hectares)
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2015	% of Normal for whole season	Last Year 2014	Normal as on date	Last Year
Rice	388.34	194.58	188.52	48.5	176.53	-6.1	12.0
Jowar	27.27	17.72	14.41	52.8	7.46	-3.3	7.0
Bajra	84.80	50.10	52.86	62.3	29.36	2.8	23.5
Maize	72.50	59.99	63.73	87.9	45.83	3.7	17.9
Total Coarse Cereals	204.41	135.01	135.77	66.4	87.18	0.8	48.6
Total Cereals	592.75	329.59	324.29	54.7	263.71	-5.3	60.6
Tur	39.28	23.67	23.90	60.9	19.48	0.2	4.4
Urad	23.78	14.51	18.68	78.6	9.78	4.2	8.9
Moong	24.46	14.85	18.41	75.3	10.88	3.6	7.5
Kulthi	2.67	0.10	0.19	7.1	0.09	0.1	0.1
Others	18.56	10.95	11.45	61.7	7.98	0.5	3.5
Total Pulses	108.75	64.08	72.63	66.8	48.21	8.6	24.4
Total Foodgrains	701.50	393.67	396.92	56.6	311.92	3.3	85.0
Groundnut	44.97	27.37	27.12	60.3	22.55	-0.3	4.6
Soyabean	104.00	89.10	104.81	100.8	77.77	15.7	27.0
Sunflower	3.39	1.06	0.53	15.7	0.92	-0.5	-0.4
Sesamum	18.62	6.17	9.24	49.6	5.59	3.1	3.7
Nigerseed	3.44	0.33	0.32	9.3	0.09	0.0	0.2
Castorseed	10.77	1.55	1.00	9.3	0.93	-0.6	0.1
Total Oilseeds	185.19	125.59	143.02	77.22	107.84	17.4	35.2
Cotton	114.96	94.93	99.52	86.6	76.13	4.6	23.4
Sugarcane	48.18	49.29	46.59	96.7	46.42	-2.7	0.2
Jute & Mesta	8.77	8.30	7.77	88.6	8.09	-0.5	-0.3
All- Crops	1058.59	671.76	693.83	65.5	550.42	22.1	143.4

6. Percentage Variations in the Wholesale Price Indices (WPI) of Major items

Table-6.1

Period / commodities	Weight	Inflation (year on year)		
		June, 2015	May, 2015	June, 2014
All Commodities	100	-2.40	-2.36	5.66
Primary Articles	20.12	-0.76	-0.77	7.01
(a) Food Articles	14.34	2.88	3.80	8.32
Cereals	3.37	-0.43	-0.13	5.60
Rice	1.79	-1.74	-1.77	10.24
Wheat	1.12	1.64	2.79	0.88
Pulses	0.72	33.67	22.84	0.61
Gram	0.33	33.71	20.44	-13.69
Arhar	0.13	42.26	29.93	2.36
Moong	0.08	21.17	13.47	17.97
Masur	0.05	31.47	24.60	16.15
Urad	0.10	38.23	29.72	19.55
Vegetables	1.74	-7.07	-5.54	-5.44
Potato	0.20	-52.40	-51.95	46.46
Onion	0.18	18.54	20.41	-11.41
Fruits	2.11	7.47	8.65	22.42
Milk	3.24	5.18	6.85	10.82
Egg, Meat & Fish	2.41	-2.25	0.86	10.20
(b) Non-Food Articles	4.26	1.06	-2.24	3.40
Oilseeds	1.78	2.59	-1.01	4.79
Fuel & Power	14.91	-10.03	-10.51	9.04