

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: 14.07.2015

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 10.07.2015.

Summary observations of the Group on Agenda Items

- **Details of the mean maximum temperature during the week 02nd July to 08th July, 2015, were as under:-**
 - *Above normal by 4°C over some parts of Telangana and isolated pockets of North Interior Karnataka, Marathwada and Vidarbha by 2 to 4°C over Manipur. Mizoram, Madhya Maharashtra and Rayalaseema, many parts of Gujarat, Marathwada, Konkan & Goa, Telangana, Andhra Pradesh, North Interior Karnataka, Kerala and Tamil Nadu, some parts of Vidarbha, Assam & Meghalaya, Odisha, Coastal Karnataka, Lakshadweep, Andaman & Nicobar Islands and isolated pockets of Jharkhand, Madhya Pradesh, Chhattisgarh and South Interior Karnataka.*
 - *Normal to near normal in remaining parts of the country.*
- **Details of the mean minimum temperature during the week 02nd July to 08th July, 2015, were as under:-**
 - *Above normal by 2 to 4°C over some parts of Andaman & Nicobar Islands, some parts of Lakshadweep, isolated pockets of Coastal Andhra Pradesh, Telangana, Rayalaseema, North Interior Karnataka, Marathwada, Gujarat Region, Saurashtra, West Rajasthan and Tamil Nadu.*
 - *Below normal by 2 to 4°C over isolated pockets of Jammu & Kashmir and Jharkhand.*
 - *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 02nd July to 08th July, 2015 was 51% 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 14% in East & North East India, 28% in North West India, 76% in Central India and 81% in South Peninsula.***
- ***In the monsoon season, cumulative Rainfall for the country as a whole during the period 1st June to 08th July, 2015 was 4% 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 9% in North West India and lower by 4% in East North East India, 8% in Central India, 7% in South Peninsula.***

- *Out of a total of 36 met sub-divisions, 27 met sub-divisions constituting 87% of the total area of the country has received excess/normal rainfall and 09 met sub-divisions constituting 13% of the total area of the country has received deficient rainfall.*
- *Out of 609 districts, 153 districts (25%) received excess, 209 districts (34%) received normal, 212 districts (35%) received deficient and 35 districts (6%) 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 09th July, 2015 was 48.85 BCM as against 37.28 BCM on 09.07.2014 (last year) and 40.95 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 131% of the last year's storage and 119% of the normal storage.*
- *As per latest information available on sowing of Kharif crops, around 42.0% of the normal area under Kharif crops has been sown upto 10.07.2015. Area sown under all Kharif crops taken together has been reported to be 445.11 lakh hectares at All India level as compared to 275.10 lakh hectares in the corresponding period of last year.*
- *Area coverage was higher by 3.1 lakh ha. under Bajra, 10.9 lakh ha. under Maize, 5.3 lakh ha. under Tur, 2.9 lakh ha. under Urad, 1.4 lakh ha. under Moong, 6.9 lakh ha. under Groundnut, 39.1 lakh ha. under Soyabean, 1.1 lakh ha. under Sesamum and 22.3 lakh ha. under Cotton. Area coverage was lower by 17.8 lakh ha. under Rice [Assam (2.33), Chhatt.(4.02), Mah. (1.17), Odisha (2.46), Punjab (4.48), U.P.(6.52)] and 1.7 lakh ha. under Sugarcane as compared to average area (as on date).*
- Supply of fertilizer & seeds was reported normal/satisfactory.

1. Monsoon Season (June – September) during the week ending on 08th July, 2015

Sub-division-wise daily distribution of rainfall and minimum temperature are shown in Table-1.1

- **Rainfall during the week (02nd July, 2015 to 08th July, 2015)** Rainfall was excess/normal in 09 and deficient/scanty in 27 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June to 08th July, 2015)** Rainfall was excess/normal in 27 and deficient in 09 out of 36 meteorological sub-divisions.

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

Region	Week Ending (01.07.2015)				Cumulative (01.06.15 to 01.07.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	52.6	29.4	79	E	95.3	74.2	28	E
Central India	34.2	62.3	-45	D	207.5	173.4	20	E
South Peninsular India	33.4	45.9	-27	D	191.8	166.1	15	N
East & North-East India	80.2	96.5	-17	N	362.2	365.4	-1	N
Country as a whole	47.0	54.4	-14	N	194.6	172.1	13	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>					
	07 JUL 2010	06 JUL 2011	11 JUL 2012	10 JUL 2013	09 JUL 2014	08 JUL 2015
Excess	11	12	00	20	00	04
Normal	14	15	15	11	07	23
Total	25	27	15	31	07	27
Deficient	10	07	17	05	20	09
Scanty	01	02	04	00	09	00
No rain	00	00	00	00	00	00
Total	11	09	21	05	29	09
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 10%	1%	(-) 22%	19%	(-) 43%	(-) 4%

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

SouthPeninsula - 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

SUB-DIVISIONWISE DAILY DISTRIBUTION OF RAINFALL - 2015								
S.No.	METEOROLOGICAL SUB-DIVISIONS	RAINFALL						
		02 JULY	03 JULY	04 JULY	05 JULY	06 JULY	07 JULY	08 JULY
1	ANDAMAN & N ISLANDS	WS	FWS	SCT	SCT	FWS	SCT	ISOL
2	ARUNACHAL PRADESH	FWS	FWS	WS	WS*	ISOL	ISOL	ISOL
3	ASSAM & MEGHALAYA	SCT	SCT	FWS	FWS	SCT	ISOL	SCT
4	NAGA,MANI,MIZO,TRIPURA	ISOL	SCT	ISOL	ISOL	SCT	WS	SCT
5	SHWB &SIKIM	FWS	WS	WS	WS*	FWS	SCT	FWS
6	GANGETIC WEST BENGAL	SCT	FWS	FWS	SCT	SCT	WS*	FWS
7	ODISHA	ISOL	SCT	SCT	ISOL	ISOL	SCT	SCT
8	JHARKHAND	SCT	SCT	SCT	SCT	WS*	WS*	WS*
9	BIHAR	SCT	SCT	SCT	SCT	FWS*	WS*	WS*
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	WS*	FWS	FWS
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	FWS**	FWS*	SCT
12	UTTARAKHAND	WS	SCT	ISOL	ISOL	FWS*	WS*	FWS
13	HARYANA,CHD. & DELHI	ISOL	ISOL	ISOL	ISOL	ISOL	FWS*	SCT
14	PUNJAB	ISOL	ISOL	ISOL	DRY	FWS*	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	ISOL	FWS*	SCT	FWS
16	JAMMU & KASHMIR	DRY	DRY	DRY	DRY	SCT	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	DRY	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL
20	EAST MADHYA PRADESH	FWS	SCT	SCT	ISOL	ISOL	ISOL	SCT
21	GUJARAT REGION DD & NH	DRY	DRY	DRY	ISOL	DRY	DRY	ISOL
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
23	KONKAN & GOA	SCT	ISOL	SCT	ISOL	ISOL	SCT	WS
24	MADHYA MAHARASHTRA	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
25	MARATHAWADA	SCT	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBA	SCT	ISOL	DRY	DRY	DRY	DRY	ISOL
27	CHHATTISGARH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	SCT
28	COASTAL ANDHRA PRADESH	ISOL	SCT	ISOL	ISOL	DRY	DRY	ISOL
29	TELANGANA	SCT	ISOL	ISOL	DRY	DRY	DRY	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	DRY	DRY	DRY	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
32	COASTAL KARNATAKA	WS	FWS	WS	SCT	ISOL	SCT	FWS
33	NORTH INT. KARNATAKA	SCT	ISOL	DRY	DRY	ISOL	DRY	ISOL
34	SOUTH INT. KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
35	KERALA	FWS	SCT	FWS	FWS	FWS	SCT	WS
36	LAKSHADWEEP	SCT	WS	FWS	SCT	FWS	DRY	SCT

LEGENDS FOR RAINFALL

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)	RAINFALL ACTIVITY	= ACTIVE ** VISIBIOUS

2. Reservoir Status (For the week ending on 09.07.2015)

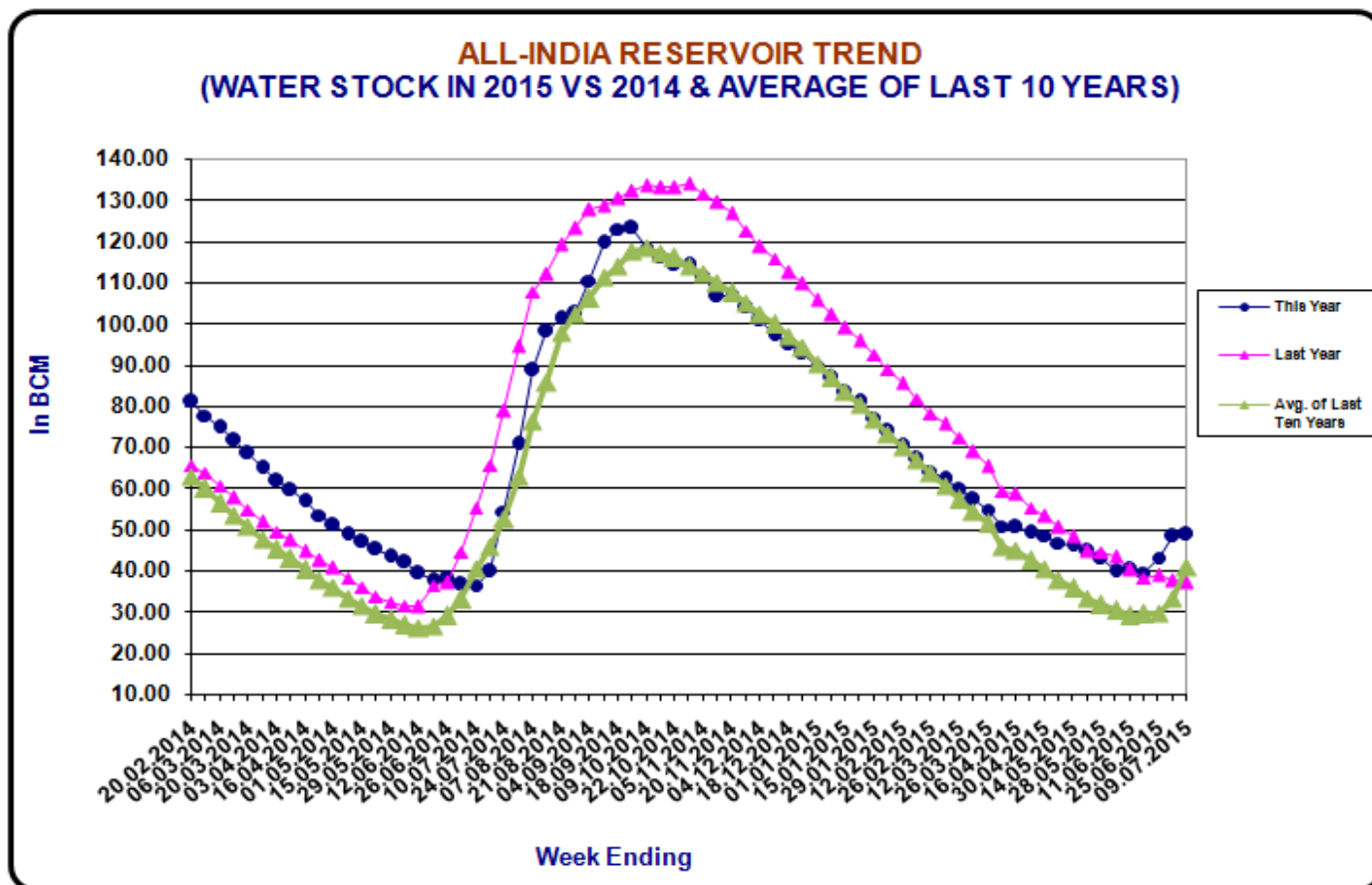
- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 74% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **increased to** 48.85 BCM from the previous week's level of 48.26 BCM. Current storage is **higher** than the last year's position of 37.28 BCM and more than the average of last 10 year's storage of 40.95 BCM.

Table – 2.1 : For 91 major reservoirs of the country

<u>Period</u>	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	31	131	119
Last Week	31	128	144
The percentage to live capacity at FRL was 24% on 09/07/2014, 32% on 09/07/2013, 16% on 05/07/2012 and 29% on 07/07/2011.			
* Live storage as % to Full Reservoir Level (FRL) of 157.80 <i>Billion Cub. Mts.(BCM)</i>			

Source: CWC

There were 70 reservoirs having storage more than 80%, 10 reservoirs having storage between 50% to 80% of Normal Storage, 05 reservoir having storage between 30% to 50% of Normal Storage and 06 reservoir having storage 30% or below of Normal Storage and 02 reservoir having no live storage.



Source: Central Water Commission

* The State wise details (reservoir position) are given in the Annex. III

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 09.07.2015)

(in '000 Tonne)

<i>Availability / Sale / Closing Stock</i>	<i>Urea</i>	<i>DAP</i>	<i>MOP</i>	<i>Complex</i>	<i>SSP</i>
<i>Opening Stock as on 01.04.2015</i>	<i>130</i>	<i>224</i>	<i>289</i>	<i>407</i>	<i>256</i>
<i>Requirement for Kharif, 2015</i>	<i>15490</i>	<i>5093</i>	<i>1831</i>	<i>5273</i>	<i>3311</i>
<i>Requirement upto July, 2015</i>	<i>3100</i>	<i>931</i>	<i>407</i>	<i>957</i>	<i>542</i>
<i>Availability upto 09.07.2015</i>	<i>7647</i>	<i>2927</i>	<i>768</i>	<i>2557</i>	<i>1342</i>
<i>Sales upto 09.07.2015</i>	<i>7214</i>	<i>2282</i>	<i>457</i>	<i>1751</i>	<i>891</i>
<i>Closing Stock as 09.07.2015</i>	<i>433</i>	<i>645</i>	<i>312</i>	<i>806</i>	<i>452</i>

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

4. Pest & Diseases:

- The incidence of pest & diseases generally remained below Economic Threshold Level for most of the crops.
- During survey, the incidence of Pyrilla on sugarcane crop at vegetative to tillering stage was reported in Low to Moderate intensity in Gorakhpur, Deoria, Kushinagar, Sant Kabirnagar Districts of U.P. State. Since the incidence of this pest was reported in the month of April earlier this year and was suppressed to the Low level in the later part of May. Now, this pest emerged again, CIPMC station located at Gorakhpur and Lucknow and state Government of U.P. were advised to take intensive monitoring and survey for 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.
- During survey, the incidence of Root borer on sugarcane crop at vegetative stage was reported in Trace to Moderate intensity in Kabirdham District of Chhattisgarh State. CIPMC station located at Chhattisgarh and state Government of Chhattisgarh were advised to take intensive monitoring and survey for 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.
- During survey, the incidence of Whitefly on Okra crop at fruiting stage was reported in Low to Moderate intensity in Mal/Malihabad District in Lucknow, U.P. State. CIPMC station located at Lucknow and state Government of U.P. were advised to take intensive monitoring and survey for 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.
- Supply of fertilizer & seeds was reported normal/satisfactory.
- 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 10.07.2015							
							(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	107.34	89.59	23.1	94.73	-17.8	-5.1
Jowar	27.27	8.52	13.77	50.5	5.25	5.3	8.5
Bajra	84.80	20.06	23.20	27.4	9.23	3.1	14.0
Maize	72.50	35.63	46.50	64.1	23.79	10.9	22.7
Total Coarse Cereals	204.41	68.12	81.80	40.0	38.36	13.7	43.4
Total Cereals	592.75	175.46	171.39	28.9	133.09	-4.1	38.3
Tur	39.28	8.52	13.77	35.1	5.25	5.3	8.5
Urad	23.78	5.35	8.24	34.7	2.26	2.9	6.0
Moong	24.46	6.25	7.64	31.2	3.44	1.4	4.2
Kulthi	2.67	0.02	0.15	5.6	0.02	0.1	0.1
Others	18.56	6.35	2.81	15.1	11.77	-3.5	-9.0
Total Pulses	108.75	26.48	32.61	30.0	22.71	6.1	9.9
Total Foodgrains	701.50	201.94	204.00	29.1	155.79	2.1	48.2
Groundnut	44.97	14.78	21.65	48.1	11.69	6.9	10.0
Soyabean	104.00	36.35	75.39	72.5	7.90	39.0	67.5
Sunflower	3.39	0.64	0.43	12.7	0.46	-0.2	0.0
Sesamum	18.62	2.03	3.12	16.8	1.76	1.1	1.4
Nigerseed	3.44	0.08	0.12	3.6	0.01	0.0	0.1
Castorseed	10.77	0.79	0.55	5.1	0.42	-0.2	0.1
Total Oilseeds	185.19	54.67	101.26	54.67	22.24	46.6	79.0
Cotton	114.96	65.55	87.83	76.4	45.10	22.3	42.7
Sugarcane	48.18	46.01	44.29	91.9	43.92	-1.7	0.4
Jute & Mesta	8.77	8.27	7.74	88.2	8.05	-0.5	-0.3
All- Crops	1058.59	376.44	445.11	42.0	275.10	68.7	170.0