

**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: 22.07.2015

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 17.07.2015.**

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

- **Details of the mean maximum temperature during the week 09<sup>th</sup> July to 15<sup>th</sup> July, 2015, were as under:-**
  - *Above normal by more than 4°C over many parts of Marathwada, Telangana, Coastal Andhra Pradesh, some parts of North Interior Karnataka and isolated pockets of Madhya Maharashtra, Vidarbha and Rayalaseema, by 2 to 4°C over many parts of Gujarat, Konkan & Goa, Assam, Nagaland, Madhya Maharashtra, Vidarbha, North Interior Karnataka, Rayalaseema, Tamil Nadu and Andaman & Nicobar Islands, some parts of Arunachal Pradesh, Rajasthan, West Madhya Pradesh, Telangana, Coastal Andhra Pradesh, Coastal and South Interior Karnataka, Kerala and isolated pockets of Chattisgarh and Odisha.*
  - *Below normal by 4 to 6 °C over many parts of Punjab, some parts of West Uttar Pradesh and isolated pockets of Haryana, by 2 to 4 °C over Jammu & Kashmir, many parts of Himachal Pradesh, Haryana & Delhi, West Uttar Pradesh, some parts of Punjab, Uttarakhand and isolated pockets of Rajasthan.*
  - *Normal to near normal in remaining parts of the country.*
- **Details of the mean minimum temperature during the week 09<sup>th</sup> July to 15<sup>th</sup> July, 2015, were as under:-**
  - *Above normal by 2 to 4°C over many parts of Marathwada, Telangana, some parts of West Rajasthan, Gujarat Region, North Interior Karnataka, Tamil Nadu and Andaman & Nicobar Islands and isolated pockets of Madhya Maharashtra, East Rajasthan, Vidarbha, Coastal Andhra Pradesh and Rayalaseema.*
  - *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 09<sup>th</sup> July to 15<sup>th</sup> July, 2015 was 14% 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 15% in East & North East India, 32% in Central India, 39% in South Peninsula and higher by 28% in North West India.***

- *In the monsoon season, cumulative Rainfall for the country as a whole during the period 1<sup>st</sup> June to 15<sup>th</sup> July, 2015 was 6% 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 15% in North West India and lower by 6% in East North East India, 13% in Central India, 12% in South Peninsula.*
- *Out of a total of 36 met sub-divisions, 24 met sub-divisions constituting 76% of the total area of the country has received excess/normal rainfall and 12 met sub-divisions constituting 24% of the total area of the country has received deficient rainfall.*
- *Out of 609 districts, 155 districts (25%) received excess, 216 districts (36%) received normal, 211 districts (35%) received deficient and 27 districts (4%) 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 16<sup>th</sup> July, 2015 was 51.62 BCM as against 38.96 BCM on 16.07.2014 (last year) and 46.21 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 133% of the last year's storage and 112% of the normal storage.*
- *As per latest information available on sowing of Kharif crops, around 53.2% of the normal area under Kharif crops has been sown upto 17.07.2015. Area sown under all Kharif crops taken together has been reported to be 563.35 lakh hectares at All India level as compared to 346.34 lakh hectares in the corresponding period of last year.*
- *Area coverage was higher by 3.2 lakh ha. under Tur, 4.5 lakh ha. under Urad, 5.8 lakh ha. under Moong, 4.0 lakh ha. under Groundnut, 33.3 lakh ha. under Soyabean, 2.5 lakh ha. under Sesamum and 16.8 lakh ha. under Cotton . Area coverage was lower by 17.0 lakh ha. under Rice[U.P. (5.68), Pun. (3.96), WB. (3.23), Odisha (2.22), Assam (2.02)], 3.0 lakh ha. under Jowar[(M.P.(1.05), Mah. (2.14)], 3.0 lakh ha. under Bajra [Har. (1.45), U.P. (2.26)], 1.6 lakh ha. under Sugarcane [Mah. (1.63)] as compared to average area (as on date).*
- *Availability position of seeds and fertilizers has been found satisfactory.*

## 1. Monsoon Season (June – September) during the week ending on 15<sup>th</sup> July, 2015

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

- **Rainfall during the week (09<sup>th</sup> July, 2015 to 15<sup>th</sup> July, 2015)** Rainfall was excess/normal in 17 and deficient/scanty in 19 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June to 15<sup>th</sup> 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 country<sup>1</sup>**

Region	Week Ending (15.07.2015)				Cumulative (01.06.15 to 15.07.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	66.2	51.7	28	E	188.7	163.8	15	N
Central India	48.2	70.9	-32	D	272.9	314.7	-13	N
South Peninsular India	28.6	46.7	-39	D	230.0	262.2	-12	N
East & North-East India	88.0	103.4	-15	N	537.8	571.0	-6	N
Country as a whole	56.2	65.4	-14	N	280.8	298.9	-6	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: 1<sup>st</sup> June to**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> June to</i>					
	14 JUL 2010	13 JUL 2011	18 JUL 2012	17 JUL 2013	16 JUL 2014	15 JUL 2015
Excess	07	06	01	20	00	04
Normal	16	22	10	10	07	20
<b>Total</b>	<b>23</b>	<b>28</b>	<b>11</b>	<b>30</b>	<b>07</b>	<b>24</b>
Deficient	13	08	22	06	20	12
Scanty	00	00	03	00	09	00
No rain	00	00	00	00	00	00
<b>Total</b>	<b>13</b>	<b>08</b>	<b>25</b>	<b>06</b>	<b>29</b>	<b>12</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>(-) 13%</b>	<b>(-) 3%</b>	<b>(-) 22%</b>	<b>16%</b>	<b>(-) 36%</b>	<b>(-) 6%</b>

**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						
		09 JULY	10 JULY	11 JULY	12 JULY	13 JULY	14 JULY	15 JULY
1	ANDAMAN & NICOBAR ISLANDS	SCT	FWS	SCT	WS	WS	FWS*	WS
2	ARUNACHAL PRADESH	ISOL	FWS	ISOL	SCT	FWS	FWS	WS**
3	ASSAM & MEGHALAYA	SCT	SCT	SCT	SCT	SCT	SCT	WS*
4	NAGA,MANI,MIZO.& TRIPURA	WS*	SCT	FWS	SCT	ISOL	SCT	SCT
5	SUB-HIM.WEST BENGAL & SIKKIM	SCT	FWS	FWS	ISOL	SCT	FWS	WS*
6	GANGETIC WEST BENGAL	WS*	WS**	WS*	SCT	ISOL	SCT	SCT
7	ODISHA	WS	WS*	WS*	SCT	ISOL	SCT	SCT
8	JHARKHAND	FWS	WS*	WS*	SCT	ISOL	ISOL	ISOL
9	BIHAR	FWS	FWS	FWS	SCT	ISOL	ISOL	FWS*
10	EAST UTTAR PRADESH	SCT	SCT	WS	WS*	SCT	ISOL	ISOL
11	WEST UTTAR PRADESH	ISOL	FWS	WS*	WS**	FWS*	ISOL	ISOL
12	UTTARAKHAND	FWS	WS	WS*	WS	WS	ISOL	ISOL
13	HARYANA CHANDIGARH & DELHI	ISOL	SCT	FWS*	WS*	WS*	ISOL	ISOL
14	PUNJAB	ISOL	ISOL	FWS*	WS*	FWS*	ISOL	DRY
15	HIMACHAL PRADESH	SCT	WS*	WS*	WS	WS	ISOL	ISOL
16	JAMMU & KASHMIR	SCT	WS*	WS*	WS**	WS*	ISOL	DRY
17	WEST RAJASTHAN	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	SCT	FWS*	SCT	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	FWS*	WS*	FWS*	FWS	SCT	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	ISOL	DRY
23	KONKAN & GOA	WS	FWS	FWS	FWS	FWS	SCT	ISOL
24	MADHYA MAHARASHTRA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
25	MARATHAWADA	DRY	ISOL	DRY	DRY	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	WS*	WS*	WS*	ISOL	ISOL	SCT	SCT
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	FWS*
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	FWS**
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS	WS*	WS	WS	WS	FWS	FWS
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
34	SOUTH INTERIOR KARNATAKA	SCT	FWS	SCT	SCT	ISOL	ISOL	ISOL
35	KERALA	WS	WS	WS	WS	SCT	SCT	WS
36	LAKSHADWEEP	SCT	WS	WS	FWS	FWS	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)
RAINFALL ACTIVITY	*	ACTIVE		**	VIGOROUS			

## 2. Reservoir Status (For the week ending on 16.07.2015)

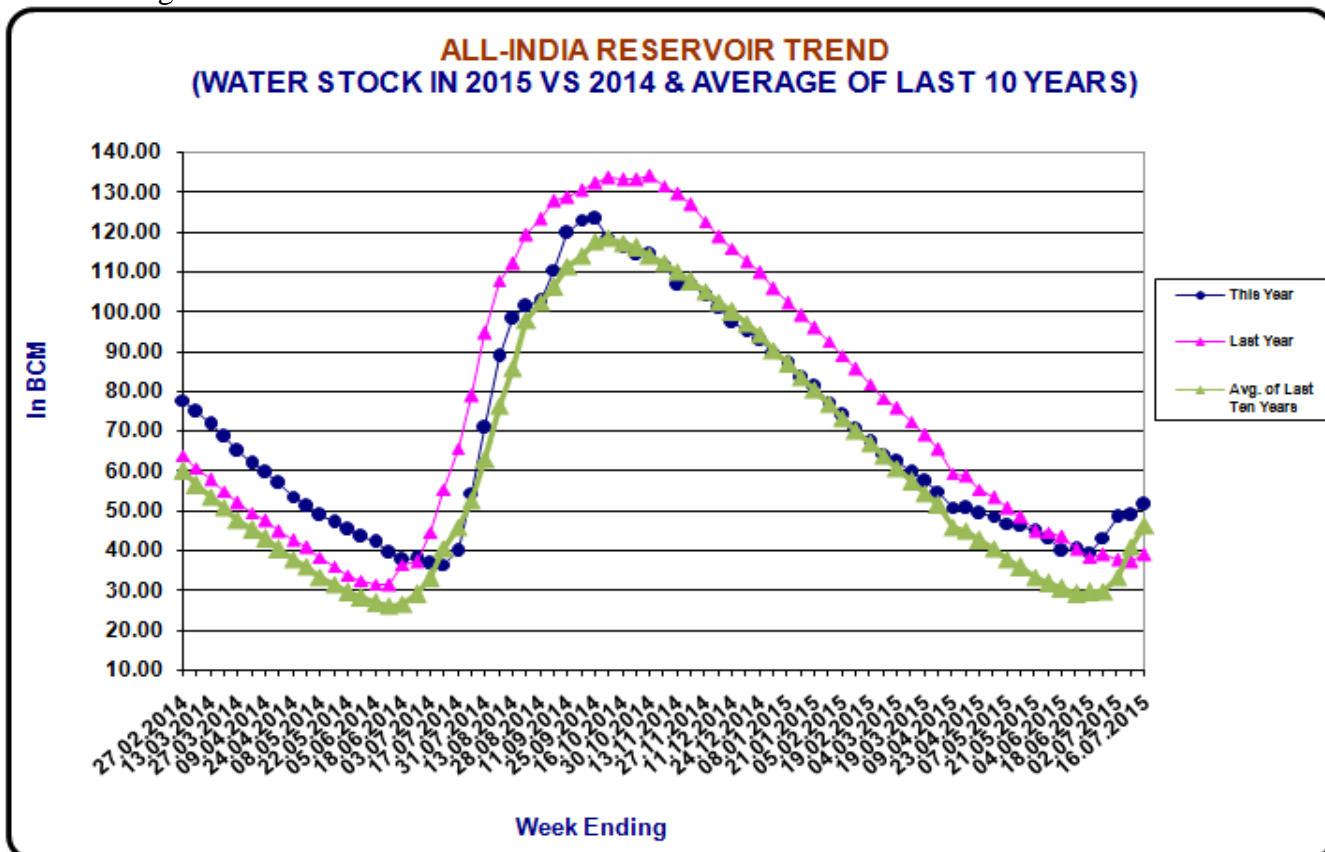
- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 74% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs increased to 51.62 BCM from the previous week's level of 46.18 BCM. Current storage is higher than the last year's position of 38.96 BCM and more than the average of last 10 year's storage of 46.21 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	33	133	112
Last Week	29	124	113
The percentage to live capacity at FRL was 25% on 16/07/2014, 38% on 16/07/2013, 18% on 12/07/2012 and 30% on 14/07/2011.			
* Live storage as % to Full Reservoir Level (FRL) of 157.80 <u>Billion Cub. Mts.(BCM)</u>			

Source: CWC

There were 58 reservoirs having storage more than 80%, 19 reservoirs having storage between 50% to 80% of Normal Storage, 04 reservoir having storage between 30% to 50% of Normal Storage and 10 reservoir having storage 30% or below of Normal Storage and 02 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 16.07.2015)**

(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 16.07.2015	8323	3205	846	2799	1416
Sales upto 16.07.2015	7737	2383	467	1875	932
Closing Stock as 16.07.2015	586	822	379	924	484

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

### 4. Pest & Diseases:

- 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 Uttar Pradesh State. CIPMC stations at Gorakhpur and Lucknow and state Government of U.P. 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.
- 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 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.
- 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.
- 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 17.07.2015							
							(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	149.11	132.11	34.0	126.55	-17.0	5.6
Jowar	27.27	14.27	11.32	41.5	2.95	-3.0	8.4
Bajra	84.80	38.61	35.62	42.0	13.81	-3.0	21.8
Maize	72.50	50.67	51.38	70.9	27.64	0.7	23.7
<b>Total Coarse Cereals</b>	<b>204.41</b>	<b>108.88</b>	<b>102.35</b>	<b>50.1</b>	<b>47.65</b>	<b>-6.5</b>	<b>54.7</b>
<b>Total Cereals</b>	<b>592.75</b>	<b>257.99</b>	<b>234.46</b>	<b>39.6</b>	<b>174.20</b>	<b>-23.5</b>	<b>60.3</b>
Tur	39.28	17.12	20.30	51.7	10.85	3.2	9.4
Urad	23.78	8.96	13.46	56.6	3.66	4.5	9.8
Moong	24.46	9.29	15.06	61.6	5.04	5.8	10.0
Kulthi	2.67	0.02	0.16	6.0	0.04	0.1	0.1
Others	18.56	5.80	7.01	37.8	4.33	1.2	2.7
<b>Total Pulses</b>	<b>108.75</b>	<b>41.18</b>	<b>55.99</b>	<b>51.5</b>	<b>23.92</b>	<b>14.8</b>	<b>32.1</b>
<b>Total Foodgrains</b>	<b>701.50</b>	<b>299.17</b>	<b>290.45</b>	<b>41.4</b>	<b>198.11</b>	<b>-8.7</b>	<b>92.3</b>
Groundnut	44.97	20.28	24.33	54.1	15.21	4.0	9.1
Soyabean	104.00	62.37	95.66	92.0	19.50	33.3	76.2
Sunflower	3.39	0.82	0.46	13.5	0.68	-0.4	-0.2
Sesamum	18.62	3.23	5.77	31.0	1.95	2.5	3.8
Nigerseed	3.44	0.12	0.19	5.4	0.02	0.1	0.2
Castorseed	10.77	1.05	0.73	6.8	0.72	-0.3	0.0
<b>Total Oilseeds</b>	<b>185.19</b>	<b>87.87</b>	<b>127.12</b>	<b>68.63</b>	<b>38.07</b>	<b>39.3</b>	<b>89.1</b>
Cotton	114.96	76.39	93.22	81.1	55.99	16.8	37.2
Sugarcane	48.18	46.44	44.80	93.0	46.09	-1.6	-1.3
Jute & Mesta	8.77	8.29	7.76	88.5	8.07	-0.5	-0.3
<b>All- Crops</b>	<b>1058.59</b>	<b>518.15</b>	<b>563.35</b>	<b>53.2</b>	<b>346.34</b>	<b>45.2</b>	<b>217.0</b>