

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: 16.06.2015

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 12.06.2015.

Summary observations of the Group on Agenda Items

- **During the week 04th June to 10th June, 2015, details of the mean maximum temperature were as under:-**
 - Above normal by 2 to 4°C over Tripura, some parts of Bihar and isolated pockets of East Uttar Pradesh, West Bengal, Madhya Maharashtra and Mizoram.*
 - Below normal by 2 to 4°C over Jammu & Kashmir, some parts of Arunachal Pradesh, Odisha, Chhattisgarh, West Rajasthan, Coastal Andhra Pradesh and isolated pockets of Punjab, Haryana, Assam.*
 - Normal to near normal in remaining parts of the country.*
- **During the week 04th June to 10th June, 2015, details of the mean minimum temperature were as under:-**
 - Below normal by 2 to 4°C over isolated pockets of Jammu & Kashmir, and Vidarbha.*
 - Above normal by 2 to 4°C over isolated pockets of Bihar, Jharkhand, West Bengal and West Madhya Pradesh.*
 - 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 04th June to 10th June, 2015 was 5% 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 33% in Central India, 27% in North West India, 13% in South Peninsula and higher by 22% in East & North East India.***
- ***In the monsoon season, cumulative Rainfall for the country as a whole during the period 1st June to 10th June, 2015 was almost at the same level of Long Period Average (LPA). Rainfall (% departure from LPA) in the four broad geographical divisions of the country during the above period was higher by 24% in East & North East India and lower by 13% in North West India, 31% in Central India, 2% in South Peninsula.***

- *Out of a total of 36 met sub-divisions, 17 met sub-divisions constituting 54% of the total area of the country has received excess/normal rainfall and 19 met sub-divisions constituting 46% of the total area of the country has received deficient/scanty rainfall.*
- *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 11th June, 2015 was 40.41 BCM as against 40.30 BCM on 11.06.2014 (last year) and 29.06 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 100% of the last year's storage and 139% of the normal storage.*
- *All-India progressive procurement of Wheat as on 12.06.2015 for the marketing season 2015-16 was 273.90 lakh tonnes against the procurement of 268.16 lakh tonnes upto the corresponding period of last year.*

Monsoon Season (June – September) during the week ending on 10th June, 2015

Sub-division-wise daily distribution of rainfall and minimum temperature are shown in Table-1

- **Rainfall during the week (04th June, 2015 to 10th June, 2015)** Rainfall was excess/normal in 17 and deficient/scanty in 19 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June to 10th June, 2015)** Rainfall was excess/normal in 17 and deficient in 19 out of 36 meteorological sub-divisions.

Table-2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (10.06.2015)				Cumulative (01.06.15 to 10.06.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	6.9	9.4	-27	D	11.0	12.7	-13	N
Central India	14.2	21.2	-33	D	18.2	26.5	-31	D
South Peninsular India	28.6	32.9	-13	N	43.0	43.8	-2	N
East & North-East India	85.6	70.0	22	E	115.4	93.1	24	E
Country as a whole	26.2	27.6	-5	N	36.4	36.2	0	N

E: Excess, N: Normal, D: Deficient, S: Scanty, NR: No Rain.

Source: India Meteorological Department, New Delhi

Table – 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	For the period from 1 st June to					
	09 JUN 2010	08 JUN 2011	13 JUN 2012	13 JUN 2013	11 JUN 2014	10 JUN 2015
Excess	09	16	01	25	03	11
Normal	07	09	05	05	05	06
Total	16	25	06	30	08	17
Deficient	07	08	11	03	10	07
Scanty	13	03	19	03	18	12
No rain	00	00	00	00	00	00
Total	20	11	30	06	28	19
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 6%	17%	(-) 42%	23%	(-) 44%	0%

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

SUB-DIVISIONWISE REALISED DAILY DISTRIBUTION OF RAINFALL & MINIMUM TEMPERATURE-2015

S.No.	METEOROLOGICAL SUB-DIVISIONS	RAINFALL							MAXIMUM TEMPERATURE						
		04 JUN	05 JUN	06 JUN	07 JUN	08 JUN	09 JUN	10 JUN	04 JUN	05 JUN	06 JUN	07 JUN	08 JUN	09 JUN	10 JUN
1	A & N ISLANDS	FWS	SCT	ISOL	ISOL	DRY	SCT	SCT	N	AN	N	AAN	AAN	N	AAN
2	ARUNACHAL PRADESH	SCT	SCT	FWS	WS	WS	WS*	WS	N	N	N	N	N	N	N
3	ASSAM & MEGHALAYA	SCT	SCT	FWS	FWS	WS	WS*	WS	N	N	N	N	N	N	N
4	NNMT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	N	N	N	N	N	N	N
5	SHWB &SIKKIM	FWS	SCT	FWS	FWS	SCT	FWS	FWS	N	AN	AN	AAN	N	N	N
6	GANGETIC W- BENGAL	DRY	ISOL	ISOL	ISOL	DRY	DRY	SCT	N	N	AN	AAN	AAN	AAN	AAN*
7	ORISSA	FWS	ISOL	SCT	ISOL	ISOL	ISOL	ISOL	ABN	N	N	N	N	N	MAN**
8	JHARKHAND	ISOL	ISOL	SCT	DRY	ISOL	ISOL	ISOL	ABN	N	N	AAN	AAN	AAN**	MAN*
9	BIHAR	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL	N	N	AN	AN	AAN*	AAN**	AAN*
10	EAST UTTAR PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY	ABN	AN	AN	AAN	AAN*	AAN*	AAN*
11	WEST UTTAR PRADESH	SCT	DRY	DRY	DRY	DRY	DRY	DRY	ABN	N	N	AAN	AAN*	AAN*	AAN
12	UTTARAKHAND	DRY	DRY	ISOL	DRY	ISOL	ISOL	DRY	N	N	N	N	N	N	AAN
13	HARYANA CHD. & DELHI	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY	ABN	N	N	N	AAN	N	N
14	PUNJAB	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY	ABN	MBN	N	N	AAN	N	AAN
15	HIMACHAL PRADESH	FWS	SCT	SCT	ISOL	ISOL	DRY	ISOL	BN	BN	N	N	AAN	N	AAN
16	JAMMU & KASHMIR	WS	WS	WS	DRY	DRY	FWS	SCT	ABN	MBN	ABN	N	N	N	N
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	ABN	ABN	N	AAN*	AAN*	N	N
18	EAST RAJASTHAN	SCT	DRY	DRY	DRY	DRY	DRY	DRY	ABN	N	N	AAN*	AAN*	N	N
19	WEST MP	ISOL	ISOL	ISOL	DRY	DRY	ISOL	ISOL	N	N	N	AN	AAN*	AN*	AAN
20	EAST MP	ISOL	ISOL	DRY	ISOL	DRY	ISOL	ISOL	N	N	N	N	AAN*	AAN*	AAN*
21	GUJARAT REG. DD & NH	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL	N	AN	AN	AAN	N	N	N
22	SAURASTRA K & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	N	AN	AN	AAN	N	N	N
23	KONKAN & GOA	DRY	SCT	ISOL	SCT	FWS	FWS	SCT	AAN	N	AN	AN	AAN	N	N
24	MADHYA MAHARASHTRA	DRY	SCT	SCT	ISOL	FWS	SCT	SCT	AAN	N	N	N	N	N	N
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	FWS	FWS	ISOL	N	N	N	N	N	ABN	N
26	VIDARBHA	DRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	N	N	N	N	AAN	N	AAN
27	CHHATTISGARH	ISOL	ISOL	SCT	SCT	ISOL	DRY	ISOL	ABN	N	N	N	N	N	AAN
28	COASTAL AP	ISOL	ISOL	FWS	ISOL	SCT	SCT	ISOL	N	ABN	ABN	ABN	MBN	BN	N
29	TELANGANA	ISOL	SCT	ISOL	SCT	ISOL	SCT	DRY	N	N	N	N	N	N	AAN
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT	N	N	N	N	N	N	N
31	TAMIL & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	N	N	N	N	N	N	N
32	COASTAL KARNATAKA	SCT	FWS	ISOL	ISOL	FWS	WS	WS	N	N	AN	N	N	N	N
33	NORTH INT. KARNATAKA	ISOL	SCT	ISOL	SCT	ISOL	ISOL	SCT	N	N	N	N	N	N	AAN
34	SOUTH INT. KARNATAKA	ISOL	FWS*	ISOL	ISOL	ISOL	ISOL	SCT	N	N	N	N	N	N	AAN
35	KERALA	FWS	WS	FWS	ISOL	WS	WS	FWS	N	N	AN	AN	N	AAN	AAN
36	LAKSHADWEEP	SCT	WS	ISOL	WS	WS	WS	FWS	N	N	N	N	N	N	N

LEGENDS FOR RAINFALL		LEGENDS FOR TEMPERATURE			
WDS	WIDESPREAD/ MOST PLACES	BN	BELOW NORMAL (N-2) °C	AN	ABOVE NORMAL (N+2) °C
ISOL	ISOLATED	MD	MAINLY DRY	MAN	MARKEDLY ABOVE NORMAL (N+3 AND ABOVE) °C
LEGENDS FOR TEMPERATURE		ABN	APRECIABLY BELOW NORMAL (N-3, -4) °C	**	Severe Cold wave conditions
N	NORMAL (N,N+1,N-1) °C				
MBN	MARKEDLY BELOW NORMAL (N-3 AND BELOW) °C				
AAN	APRECIABLY ABOVE NORMAL (N+3,+4) °C				
*	Cold wave conditions				

Reservoir Status (For the week ending on 11.06.2015)

- **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 40.41 BCM from the previous week's level of 39.95 BCM. Current storage is **higher** than the last year's position of 40.30 BCM and more than the average of last 10 year's storage of 29.06 BCM.

Table – 4: For 91 major reservoirs of the country

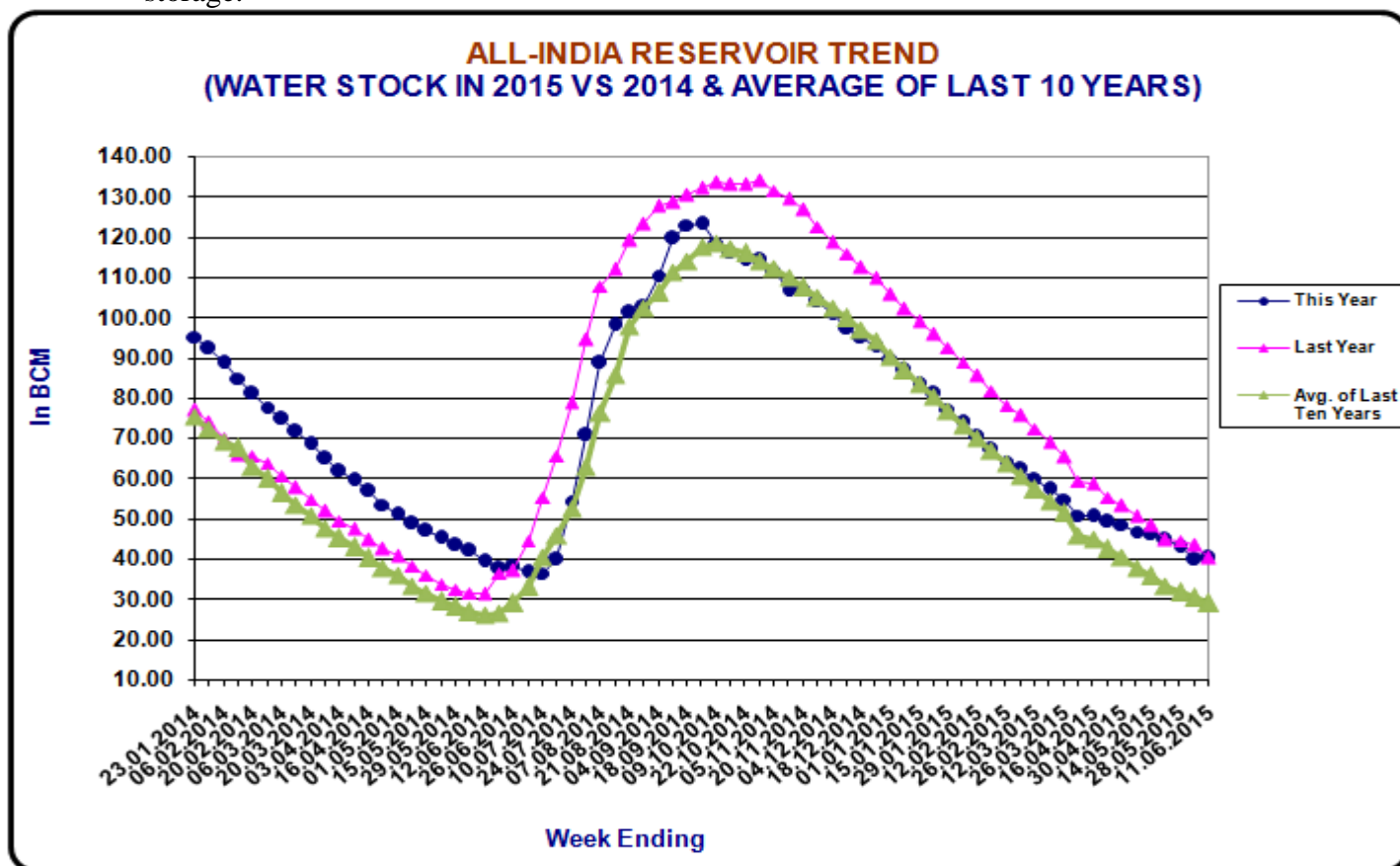
Period	Current Year's Storage as % of FRL*	Current Year's storage as % of last year	Current year as a % of 10 years average level
Current Week	26	100	139
Last Week	33	86	110

The percentage to live capacity at FRL was 26% on 11/06/2014, 20% on 11/06/2013, 19% on 07/06/2012 and 24% on 09/06/2011.

* Live storage as % to Full Reservoir Level (FRL) of 157.80 Billion Cub. Mts.(BCM)

Source: CWC

- There were 68 reservoirs having storage more than 80%, 13 reservoirs having storage between 50% to 80% of Normal Storage, 04 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**

Fertilizer Position:

Table – 5: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Kharif 2015 (As on 11.06.2015)

(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 June, 2015</i>	<i>3016</i>	<i>1088</i>	<i>403</i>	<i>1056</i>	<i>711</i>
<i>Availability upto 11.06.2015</i>	<i>5483</i>	<i>1708</i>	<i>555</i>	<i>1695</i>	<i>892</i>
<i>Sales upto 11.06.2015</i>	<i>4822</i>	<i>1200</i>	<i>218</i>	<i>773</i>	<i>430</i>
<i>Closing Stock as on 11.06.2015</i>	<i>661</i>	<i>508</i>	<i>337</i>	<i>923</i>	<i>462</i>

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

Pest & Diseases:

- The incidence of pest & diseases generally remained below Economic Threshold Level for most of the crops.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

All India Crop Situation - Rabi (2014-15)

Crop Name	Normal Area	Area sown reported (In lakh hectares)			
		3rd Adv. Est. (2014-15)	% of Normal	Final Est. (2013-14)	Difference
Wheat	290.44	303.72	104.6	304.73	-1.0
Rice	43.44	40.28	92.7	46.87	-6.6
Jowar	41.82	33.15	79.3	35.16	-2.0
Maize	13.20	15.18	115.0	17.57	-2.4
Barley	6.75	6.72	99.5	6.74	0.0
Total Coarse Cereals	61.77	55.04	89.1	59.46	-4.4
Total Cereals	395.65	399.04	100.9	411.06	-12.0
Gram	84.14	83.89	99.7	99.27	-15.4
Urad	8.30	8.58	103.4	7.16	1.4
Moong	7.06	8.60	121.8	10.45	-1.9
Total Pulses	132.08	133.42	101.0	148.84	-15.4
Total Foodgrains	527.73	532.46	100.9	559.90	-27.4
Rapeseed & Mustard	62.09	59.99	96.6	66.46	-6.5
Groundnut	8.71	8.08	92.7	8.60	-0.5
Safflower	2.57	1.42	55.1	1.78	-0.4
Sunflower	7.27	3.38	46.5	4.23	-0.9
Linseed	3.46	2.90	84.0	2.93	0.0
Total Oilseeds (Nine)	86.56	75.76	87.5	84.00	-8.2
All- Crops	614.28	608.22	99.0	643.90	-35.7

Procurement:

Table – 7: Progressive procurement of Wheat as on 12.06.2015 (lakh tonnes)

State	Total procurement in marketing season 2014-15 (April to March.)	Progressive Procurement as on 12.06.2015	
		In Marketing season 2015-2016	In Marketing season 2014-2015
Punjab	116.41	99.52	107.72
Haryana	64.95	67.56	64.14
Uttar Pradesh	6.28	20.53	4.69
Madhya Pradesh	70.94	72.61	70.94
Rajasthan	21.59	12.82	20.61
All-India	280.23	273.90	268.16