

F. No. 3-1/ 2014-15-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: 29.04.2015

SUBJECT: SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 24.04.2015.

Summary observations of the Group on Agenda Items

- *During the week 16th April to 22nd April, 2015, the maximum temperature were below normal by 2 to 4^o C over Marathwada, many parts of East Uttar Pradesh, Chhattisgarh, Vidarbha, Telangana, Rayalseema, Interior Karnataka, Tamil Nadu, a few / isolated parts of Madhya Pradesh, Odisha, Madhya Maharashtra, Bihar, Jharkhand, West Bengal and Kerala, above normal by 2 to 4^o over many parts of Saurashtra & Kutch, a few parts of West Rajasthan and normal to near normal in remaining parts of the country, Lakshadweep and Andaman & Nicobar Islands.*
- *The minimum temperature during the above period was below normal by 2 to 4^o C over a few / isolated parts of Andhra Pradesh, Telangana, Madhya Maharashtra, South Interior Karnataka and Kerala, above normal by 2 to 6^o over Saurashtra & Kutch, many parts of West Rajasthan, Gujarat region, a few / isolated parts of Uttarkhand, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Gangetic West Bengal, Sikkim and Jharkhand, and normal to near normal in remaining parts of the country Lakshadweep and Andaman & Nicobar Islands.*
- *In the pre-monsoon season, cumulative weekly Rainfall for the country as a whole during the week 16th April to 22nd April, 2015 was 63% higher 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 142% in North West India, 98% in South Peninsula, 29% in East & North East India and lower by -11% in Central India.*
- *In the pre-monsoon season, cumulative Rainfall for the country as a whole during the period 1st March to 22nd April, 2015 was 96% higher 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 226% in Central India, 156% in North West India, 130% in South Peninsula and 1% in East & North East India.*
- *Out of a total of 36 met sub-divisions, 35 met sub-divisions constituting 95% of the total area of the country has received excess/normal rainfall and 01met sub-divisions constituting 5% of the total area of the country received deficient 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 23rd April, 2015 was 49.25 BCM as against 55.39 BCM on 23.04.2014 (last year) and 42.53 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 89% of the last year's storage and 116% of the normal storage.*
- *All-India progressive procurement of Rice as on 24.04.2015 for the marketing season 2014-15 was 254.27 lakh tonnes against the procurement of 255.62 lakh tonnes upto the corresponding period of last year.*
- *All-India progressive procurement of Wheat as on 24.04.2015 for the marketing season 2015-16 was 86.24 lakh tonnes against the procurement of 100.80 lakh tonnes upto the corresponding period of last year*

Pre-Monsoon Season (March – May) during the week ending on 22nd April, 2015

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

- **Rainfall during the week (16th April, 2015 to 22nd April, 2015)** Rainfall was excess/normal in 23 deficient/scanty in 10 and no rain in 3 out of 36 meteorological sub-divisions. (Sub-division wise weekly rainfall distribution is given in **Annex I**).
- **Cumulative rainfall (01st March to 22nd April, 2015)** Rainfall was excess/normal in 35 and deficient/scanty in 01 out of 36 meteorological sub-divisions. (The sub-division-wise seasonal rainfall distribution is given in **Annex II**).

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

Region	Week Ending (22.04.2015)				Cumulative (01.03.15 to 22.04.15)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	15.7	6.5	142	E	180.0	70.4	156	E
Central India	2.3	2.6	-11	N	53.7	16.5	226	E
South Peninsular India	18.0	9.1	98	E	78.4	34.1	130	E
East & North-East India	35.5	27.4	29	D	143.9	142.7	1	N
Country as a whole	14.8	9.1	63	E	111.8	56.9	96	E

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 March

No. of Sub-Divisions with rainfall	For the period from 1 st March to					
	21 APR 2010	20 APR 2011	25 APR 2012	24 APR 2013	23 APR 2014	22 APR 2015
Excess	03	09	06	06	16	29
Normal	04	06	07	08	06	06
Total	07	15	13	14	22	35
Deficient	08	15	14	15	08	01
Scanty	19	04	09	06	06	00
No rain	02	02	00	01	00	00
Total	29	21	23	22	14	01
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 36%	(-) 12%	(-) 27%	(-) 34%	(-) 5%	96%

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 DAILY DISTRIBUTION OF RAINFALL AND MAXIMUM & MINIMUM TEMPERATURES - 2015

S.No	METEOROLOGICAL SUB-DIVISIONS	RAINFALL							MAXIMUM TEMPERATURE							MINIMUM TEMPERATURE						
		16 APR	17 APR	18 APR	19 APR	20 APR	21 APR	22 APR	16 APR	17 APR	18 APR	19 APR	20 APR	21 APR	22 APR	16 APR	17 APR	18 APR	19 APR	20 APR	21 APR	22 APR
1	A & N ISLANDS	DRY	DRY	DRY	ISOL	FWS	WS	WS	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2	ARUNACHAL PRADESH	ISOL	FWS	WS	WS	ISOL	ISOL	WS	AAN	N	ABN	ABN	N	N	ABN	AAN	N	N	N	N	N	N
3	ASSAM & MEGHALAYA	DRY	ISOL	WS	WS	ISOL	FWS	WS	AAN	N	ABN	ABN	N	N	ABN	AAN	N	N	N	N	N	N
4	N.M.M.&TRIPURA	DRY	DRY	ISOL	WS	ISOL	FWS	FWS	AAN	N	N	ABN	N	N	N	AAN	N	N	N	N	N	N
5	S.H.W.B &SIKKIM	ISOL	ISOL	ISOL	SCT	WS	ISOL	DRY	AN	N	MBN	ABN	N	BN	N	AAN	N	N	N	AAN	N	N
6	GANGETIC W. BENGAL	ISOL	ISOL	DRY	ISOL	ISOL	DRY	DRY	ABN	BN	N	N	N	N	N	N	N	N	AAN	AAN	N	N
7	ODISHA	SCT	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ABN	N	N	N	N	N	N	BN	N	N	N	AN	AN	AN
8	JHARKHAND	ISOL	ISOL	ISOL	DRY	DRY	DRY	ISOL	BN	ABN	N	N	AAN	N	AAN	N	N	N	AAN	N	N	N
9	BIHAR	ISOL	DRY	ISOL	ISOL	ISOL	DRY	ISOL	BN	N	N	ABN	N	N	N	N	N	N	N	AN	N	N
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY	ABN	ABN	N	AN	N	N	N	N	N	N	AAN	N	N	N
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	AN	N	N	N	N	N	AN	N	AAN	AAN	N
12	UTTARAKHAND	SCT	WS	DRY	DRY	FWS	DRY	ISOL	N	N	N	N	N	N	N	N	N	N	AAN	AAN	N	N
13	HAR.CHD. & DELHI	SCT	ISOL	DRY	DRY	DRY	DRY	DRY	MBN	BN	N	AN	AAN	N	N	N	N	N	AAN	N	N	N
14	PUNJAB	WS	WS	DRY	DRY	DRY	DRY	DRY	MBN	N	N	N	AAN	N	N	N	N	N	MAN	AAN	N	N
15	HIMACHAL PRADESH	WS	WS	DRY	DRY	SCT	ISOL	ISOL	MBN	N	AN	N	AAN	N	N	N	N	N	AAN	N	N	N
16	JAMMU & KASHMIR	WS	WS	DRY	ISOL	WS	WS	ISOL	ABN	N	AN	ABN	N	BN	N	N	N	N	AN	N	N	N
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY	N	AN	AAN	MAN	AAN	N	N	N	N	AAN	N	AAN	AAN	N
18	EAST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	ABN	N	AAN	AAN	AAN	N	N	N	N	AAN	AAN	AAN	N	N
19	WEST M.PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY	MBM	BN	N	AN	AAN	AAN	N	N	N	AN	N	AN	N	AN
20	EAST M.PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	MBN	ABN	N	AN	AAN	AAN	N	N	N	N	N	N	N	N
21	GUJ.REG. D.D & N.H	ISOL	DRY	DRY	DRY	DRY	DRY	DRY	N	N	N	AN	N	AAN	N	N	N	AAN	N	AAN	AAN	N
22	SAURASTRA K & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY	AN	AN	AN	N	AAN	AAN	N	N	N	AAN	AAN	AAN	N	N
23	KONKAN & GOA	DRY	ISOL	ISOL	DRY	DRY	DRY	DRY	N	N	N	N	N	AAN	N	N	N	N	AN	N	N	AN
24	M. MAHARASHTRA	ISOL	ISOL	DRY	DRY	DRY	ISOL	ISOL	ABN	N	N	N	N	AAN	N	N	N	AAN	N	N	N	N
25	MARATHAWADA	ISOL	SCT	DRY	DRY	DRY	DRY	ISOL	MBN	ABN	N	N	N	N	N	N	N	ABN	ABN	BN	N	N
26	VIDARBHA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY	MBN	ABN	N	N	N	AAN	N	N	N	MBN	ABN	ABN	N	N
27	CHHATTISGARH	ISOL	ISOL	DRY	DRY	DRY	DRY	ISOL	MBN	ABN	N	N	AAN	N	N	N	N	ABN	N	BN	N	AN
28	COASTAL A.PRADESH	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY	N	N	N	N	N	N	N	N	N	ABN	N	N	N	N
29	TELANGANA	ISOL	ISOL	ISOL	DRY	DRY	ISOL	DRY	MBN	ABN	ABN	N	N	N	N	N	N	ABN	BN	ABN	N	AN
30	RAYALASEEMA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY	ABN	ABN	ABN	N	N	N	N	N	N	ABN	N	ABN	N	N
31	TAMIL & PUDUCHERRY	SCT	SCT	FWS	ISOL	ISOL	ISOL	ISOL	ABN	N	BN	ABN	N	BN	N	N	N	N	N	ABN	N	N
32	COASTAL KARNATAKA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	FWS	N	N	N	N	N	N	N	N	N	N	N	BN	N	N
33	N. I. KARNATAKA	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY	ABN	ABN	N	N	N	N	N	N	N	ABN	N	BN	N	N
34	S. I. KARNATAKA	ISOL	ISOL	ISOL	ISOL	DRY	ISOL	SCT	ABN	ABN	N	N	N	N	N	N	N	BN	N	BN	N	N
35	KERALA	ISOL	SCT	SCT	ISOL	SCT	SCT	WS	N	N	N	N	N	N	N	N	N	N	N	N	N	N
36	LAKSHADWEEP	FWS	FWS	SCT	DRY	DRY	DRY	WS	N	N	N	N	N	N	N	N	N	N	N	N	N	N

LEGENDS FOR RAINFALL	
WS	WIDESPREAD/MOST PLACES
FWS	FAIRLY WIDESPREAD/ MANY PLACES
*	ACTIVE
SCT	SCATTERED/FEW PLACES
**	VIGOROUS
ISOL	ISOLATED
DRY	DRY/MAINLY DRY

LEGENDS FOR TEMPERATURE	
N	NORMAL (N,N+1,N-1) ^o C
BN	BELOW NORMAL (N-2) ^o C
AN	ABOVE NORMAL (N+2) ^o C
ABN	APRECIABLY BELOW NORMAL (N-3,-4) ^o C
AAN	APRECIABLY ABOVE NORMAL (N+3,+4) ^o C
MBN	MARKEDLY BELOW NORMAL (N-5 AND BELOW) ^o C
MAN	MARKEDLY ABOVE NORMAL (N+5 AND ABOVE) ^o C
*	Cold /Heat wave conditions
**	Severe Cold/ Heat wave conditions

Reservoir Status (For the week ending on 23.04.2015)

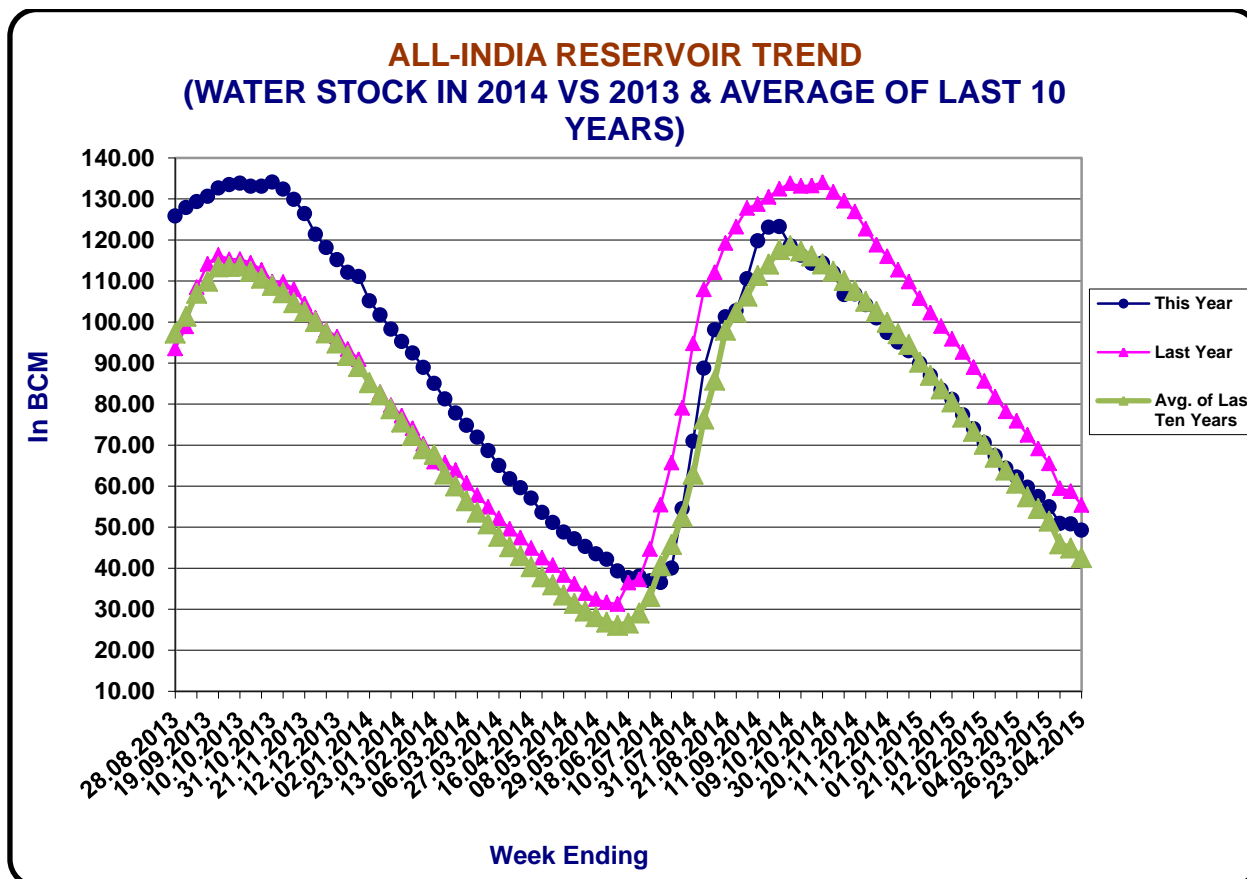
- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 74% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **decreased** to 49.25 BCM from the previous week's level of 52.44 BCM. Current storage is **lower** than the last year's position of 55.39 BCM and more than the average of last 10 year's storage of 42.53 BCM.

Table – 4: For 85 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	31	89	116
Last Week	33	86	110
The percentage to live capacity at FRL was 35% on 23/04/2014, 26% on 23/04/2013, 29% on 19/04/2012 and 32% on 21/04/2011.			
* <i>Live storage as % to Full Reservoir Level (FRL) of 157.80 Billion Cub. Mts.(BCM)</i>			

Source: CWC

- There were 63 reservoirs having storage more than 80%, 15 reservoirs having storage between 50% to 80% of Normal Storage, 09 reservoir having storage between 30% to 50% of Normal Storage and 04 reservoir having storage 30% or below of Normal Storage and 01 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 23.04.2015)

(in '000 Tonnes)

<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>15415</i>	<i>5093</i>	<i>1831</i>	<i>5273</i>	<i>3311</i>
<i>Requirement upto April, 2015</i>	<i>1999</i>	<i>684</i>	<i>181</i>	<i>580</i>	<i>535</i>
<i>Availability upto 23.04.2015</i>	<i>1544</i>	<i>370</i>	<i>337</i>	<i>700</i>	<i>350</i>
<i>Sales upto 23.04.2015</i>	<i>690</i>	<i>49</i>	<i>6</i>	<i>55</i>	<i>36</i>
<i>Closing Stock as on 23.04.2015</i>	<i>854</i>	<i>321</i>	<i>331</i>	<i>645</i>	<i>314</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)			
		2nd Adv. Est. (2014-15)	% of Normal	Final Est. (2013-14)	Difference
Wheat	290.44	302.21	104.1	305.49	-3.3
Rice	43.44	40.90	94.1	46.87	-6.0
Jowar	41.82	31.23	74.7	35.16	-3.9
Maize	13.20	14.32	108.5	17.57	-3.3
Barley	6.75	7.09	105.1	6.74	0.4
Total Coarse Cereals	61.77	52.65	85.2	59.46	-6.8
Total Cereals	395.65	395.75	100.0	411.82	-16.1
Gram	84.14	83.52	99.3	99.27	-15.8
Urad	8.30	8.05	97.0	7.16	0.9
Moong	7.06	5.99	84.9	10.45	-4.5
Total Pulses	132.08	132.03	100.0	148.84	-16.8
Total Foodgrains	527.73	528.01	100.1	560.66	-32.6
Rapeseed & Mustard	62.09	62.01	99.9	66.46	-4.5
Groundnut	8.71	8.36	96.0	8.60	-0.2
Safflower	2.57	1.00	38.7	1.78	-0.8
Sunflower	7.27	3.59	49.3	4.23	-0.6
Linseed	3.46	2.95	85.2	2.93	0.0
Total Oilseeds (Nine)	86.56	77.89	90.0	84.00	-6.1
All- Crops	614.28	605.91	98.6	644.66	-38.8

Source: AS Divisions, DES

Procurement:

Table – 7: Progressive procurement of Rice as on 24.04.2015 (lakh tonnes)

State	Total procurement in marketing season 2013-14 (Oct. – Sept.)	Progressive Procurement as on 24.04.2015	
		In Marketing season 2014-2015	In Marketing season 2013-2014
Andhra Pradesh	37.38	19.71	40.49
Telangana	44.00	16.95	0.00
Chhattisgarh	43.0	33.55	42.85
Haryana	24.06	20.09	24.05
Kerala	4.00	3.14	2.86
Madhya Pradesh	10.14	8.07	10.40
Maharashtra	2.00	1.37	1.29
Odisha	28.22	26.63	21.68
Punjab	81.06	77.81	81.06
Tamil Nadu	7.00	0.06	0.59
Uttar Pradesh	11.27	16.18	11.05
Uttarakhand	4.63	4.31	3.86
West Bengal	13.59	13.31	8.27
All-India	319.00	254.27	255.62

Table – 8: Progressive procurement of Wheat as on 24.04.2015 (lakh tonnes)

State	Total procurement in marketing season 2014-15 (April to March.)	Progressive Procurement as on 24.04.2015	
		In Marketing season 2015-2016	In Marketing season 2014-2015
Punjab	116.41	13.86	21.46
Haryana	64.95	35.41	40.18
Uttar Pradesh	6.28	1.78	0.41
Madhya Pradesh	70.94	32.73	35.43
Rajasthan	21.59	2.13	3.29
All-India	280.23	86.24	100.80