

**F.NO. 3-1/2009-NCFC – E&S**  
**GOVERNMENT OF INDIA**  
**MINISTRY OF AGRICULTURE**  
**DEPARTMENT OF AGRICULTURE & COOPERATION**  
**(NATIONAL CROP FORECASTING CENTRE)**

Room No. 344-A, Krishi Bhawan  
New Delhi, Dated: 11<sup>th</sup> March, 2010

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
05.03.2010.**

*Summary observations of the Group on Agenda Item*

- *In the Post-Monsoon season, cumulative rainfall received for the country as a whole during the period 1<sup>st</sup> January to 28<sup>th</sup> February, 2010 was 24.6 mm which is 44% less than L.P.A.*
- *In South Peninsula, rainfall during the above period was 8% less than LPA.*
- *Actual Mean Maximum temperature anomaly ranged between 4<sup>0</sup>C and above over most parts of West Rajasthan, some parts of Jammu & Kashmir, Himachal Pradesh, East Rajasthan, Punjab, Haryana, Delhi, Bihar, Jharkhand, Gangetic West Bengal, Orissa, East Madhya Pradesh, 0 to 2<sup>0</sup>C over most parts of Sikkim, Arunachal Pradesh, Assam & Meghalaya, South Gujarat, South Saurashtra & Kutch, Marathwada, Karnataka, Kerala, Lakshadweep Islands, some parts of Punjab, East Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Chattisgarh, Nagaland, Orissa, Andhra Pradesh, Tamil Nadu, Konkan & Goa, Madhya Maharashtra, Vidarbha, Andaman & Nicobar Island 0 to 2<sup>0</sup>C below normal over some parts of Andaman & Nicobar Islands, 2 to 4<sup>0</sup>C over remaining parts of the country.*
- *Minimum Temperature anomaly ranged 6<sup>0</sup>C and above over some parts of West Rajasthan, Punjab, 4 to 6<sup>0</sup>C over most parts of West Rajasthan, Haryana, Delhi, some parts of Punjab, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, 2 to 4<sup>0</sup>C over most parts of Himachal Pradesh, Uttarakhand, Uttar Pradesh, Gangetic West Bengal, Manipur, Mizoram, Tripura, Madhya Pradesh, Gujarat, Saurashtra & Kutch, some parts of Jammu & Kashmir, Punjab, Haryana, Bihar, Jharkhand, Arunachal Pradesh, Assam, Orissa, Chattisgarh, Andhra Pradesh, Konkan, Madhya Maharashtra, Marathwada, 2<sup>0</sup>C below normal over some parts of Karnataka, Raylaseema, Marathwada, Kerala, Tamil Nadu and Andaman & Nicobar Island, 0 to 2<sup>0</sup>C over remaining parts of the Country.*
- *In 81 important water reservoirs monitored by CWC in different parts of the country, total live storage has decreased from 54.52 BCM on 25.02.2010 to 51.85 BCM on 04.03.2010.*
- *Area sown reported till 05.03.2010 under Coarse Cereals, Pulses and Oilseeds was 104%, 121% and 98% of the normal area respectively.*

- *As per latest information available on sowing of crops, around 106% of the normal area under rabi crops have been sown upto 26.02.2010. Area sown under all rabi crops taken together has been reported to be 620.43 lakh hectares at All India level as compared to 623.13 lakh hectares in the corresponding period of 2009.*
- *Area reported was higher by 2.3 lakh ha. under Wheat and 5.8 lakh ha. under Gram. Area coverage is lower by 3.6 lakh ha. under Rice, 3.7 lakh ha. under Jowar, 1.9 lakh ha. under Rapeseed & Mustard and 2.6 lakh ha. under Sunflower.*
- *The incidence of pests & diseases generally remained below Economic Threshold Level (ETL) for all crops.*
- *The Primary Articles inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the week ending 20.02.2010 decreased to 15.00% from the previous week's level of 15.84%. The inflation rate was 5.65% during the corresponding period of last year.*
- *Among the foodgrains, inflation for Rice has increased to 9.62% from the previous week's level of 9.50%; Inflation for Wheat has decreased to 14.00% from the previous week's level of 14.93% and for Pulses to 35.23% from the previous week's level of 35.74%. Inflation for Cereals remained steady from the previous week's level of 11.58%.*
- *The inflation for non-food items decreased to 3.89% from the previous week's level of 12.78% and for the food items has increased to 17.87% from the previous week's level of 17.58%.*
- *All-India progressive procurement of Rice as on 05.03.2010 was 234.26 lakh tonnes which is lower than the procurement of 242.50 lakh tonnes upto the corresponding period of last year.*

## Salient aspects of discussions / presentations in the meeting

### **Rainfall & Temperature (As reported by India Meteorological Department, (IMD))**

#### Winter Season Rainfall (January - February) during the week ending on 03<sup>rd</sup> March, 2010

- **Fairly widespread to widespread rainfall** occurred over Sub-Himalayan West Bengal & Sikkim and Jammu & Kashmir on one or two days of the week.
- **Isolated to scattered rainfall** occurred over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim and Himachal Pradesh, on may days of the week and over Andaman & Nicobar Islands, Arunachal Pradesh, Jammu & Kashmir and South Interior Karnataka on a few days of the week and over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Orissa, Coastal Andhra Pradesh, Rayalseema, Tamil Nadu and Kerala on one or two days of the week.
- Mainly **dry weather** prevailed over the remaining parts of the country during the week.
- Out of 36 meteorological sub-divisions, **rainfall during the week** was excess /normal in 05, deficient / scanty in 12 met sub-divisions and no rain in 19 met sub-divisions.
- Out of 36 meteorological sub-divisions, **cumulative rainfall (1<sup>st</sup> January to 28<sup>th</sup> February, 2010)** was in excess / normal in 12 met sub-divisions, deficient / scanty in 24 met sub-divisions and no rain in one met sub-divisions.

**Table-1: Weekly and Cumulative Rainfall in four regions of the country<sup>1</sup>**

Region	Week Ending (03.03.2010)				Cumulative (01.01.10 to 28.02.10)			
	(in mm)		Devi. (%)	Cat.	(in mm)		Deviation (%)	Category
	Actual	Normal			Actual	Normal		
<b>North-West India</b>	<b>6.5</b>	<b>12.5</b>	<b>-48</b>	<b>D</b>	<b>57.5</b>	<b>83.6</b>	<b>-31</b>	<b>D</b>
<b>Central India</b>	<b>0.1</b>	<b>2.6</b>	<b>-96</b>	<b>S</b>	<b>8.6</b>	<b>19.0</b>	<b>-55</b>	<b>D</b>
<b>South Peninsular India</b>	<b>0.4</b>	<b>1.6</b>	<b>-73</b>	<b>S</b>	<b>14.8</b>	<b>16.1</b>	<b>-8</b>	<b>N</b>
<b>North-East India</b>	<b>9.0</b>	<b>9.9</b>	<b>-9</b>	<b>N</b>	<b>7.3</b>	<b>53.9</b>	<b>-86</b>	<b>S</b>
<b>Country as a whole</b>	<b>3.6</b>	<b>6.6</b>	<b>-46</b>	<b>D</b>	<b>24.6</b>	<b>43.8</b>	<b>-44</b>	<b>D</b>

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

Source: India Meteorological Department, New Delhi

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.

## **Temperature**

### **Minimum Temperature**

- Appreciably above normal to markedly above normal over West Uttar Pradesh and Haryana, Punjab, West Rajasthan on most days of the week and over Jammu & Kashmir, East Rajasthan and West Madhya Pradesh on many days of the week and over Nagaland, Manipur, Mizoram & Tripura, Uttarakhand, Himachal Pradesh and Gujarat Region on a few days of the week and over East Uttar Pradesh on one or two days of the week.
- Above normal to appreciably above normal over West Bengal, Orissa, Bihar, East Madhya Pradesh and Saurashtra & Kutch on most days of the week and over Assam & Meghalaya, Jharkhand, East Uttar Pradesh, Uttarakhand, Gujarat Region, Maharashtra & Goa and Andhra Pradesh on many days of the week and over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Chhattisgarh, Tamil Nadu and interior Karnataka on a few days of the week and over Andaman & Nicobar Islands, Himachal Pradesh, Jammu & Kashmir, East Rajasthan, West Madhya Pradesh, Coastal Karnataka and Kerala, on one or two days of the week.
- Appreciably below normal over Vidarbha on 25<sup>th</sup> February and over Tamil Nadu on 3<sup>rd</sup> March, 2010.
- Below normal over Andaman & Nicobar Islands, Assam & Meghalaya, Konkan & Goa, Madhya Maharashtra, Marathawada, Chhattisgarh, Tamil Nadu and Karnataka on one or two days of the week.
- Minimum temperatures were near normal over the remaining parts of the country.

### **Maximum Temperature**

- Appreciably above normal to markedly above normal over Orissa, Uttarakhand, Haryana, Himachal Pradesh, Rajasthan on most days of the week and over Jharkhand, West Uttar Pradesh, Punjab, Jammu & Kashmir and Madhya Pradesh on many days of the week and over East Uttar Pradesh and Gujarat State on a few days of the week.
- Above normal to appreciably above normal over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura,, Gangetic West Bengal, Bihar, Marathawada, Vidarbha, Chhattisgarh, Andhra Pradesh, Tamil Nadu, Karnataka, Kerala and Lakshadweep on most days of the week and over Konkan & Goa and Madhya Maharashtra on many days of the week and over Andaman & Nicobar Islands, East Uttar Pradesh and Madhya Pradesh on a few days of the week and over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Jharkhand, West Uttar Pradesh, Punjab, Jammu & Kashmir and Gujarat State on one or two days of the week.
- Markedly below normal on 2<sup>nd</sup> March and appreciably below normal on 3<sup>rd</sup> March, 2010 over Assam & Meghalaya.
- Below normal over Konkan & Goa on 25<sup>th</sup> February and over Sub-Himalayan West Bengal & Sikkim on 27<sup>th</sup> February, 2010.
- Maximum temperatures were near normal over the remaining parts of the country.

## ***Weather Outlook / Forecast for the period 04<sup>th</sup> - 10<sup>th</sup> March, 2010 by IMD***

### ***Outlook for the Week Ending 10<sup>th</sup> March, 2010***

- *Isolated to scattered rainfall would occur over Northeastern States and over Western Himalayan region and Punjab during 1<sup>st</sup> half of the week.*

### ***Zone-wise Weather Forecast:***

#### ***North-West India (J&K, HP, Uttaranchal, Punjab, Haryana, Delhi, West UP)***

- *Mainly dry weather over the region.*

#### ***East India (East UP, Bihar, Jharkhand, West Bengal & Sikkim, Orissa)***

- *Mainly dry weather over the region.*

#### ***North-East India (Arunachal Pradesh, NMM&T, Assam & Meghalaya)***

- *Isolated rain/thundershowers over Arunachal Pradesh and Assam & Meghalaya.*
- *Mainly dry weather over the rest region.*

#### ***South India (Tamil Nadu, AP, Kerala, Karnataka, Andaman & Nicobar Islands, Lakshadweep)***

- *Mainly dry weather over the region.*

#### ***West India (Maharashtra, Other than Vidarbha, Gujarat, Rajasthan)***

- *Mainly dry weather over the region.*

#### ***Central India (MP, Chhattisgarh, Vidarbha)***

- *Mainly dry weather over the region.*

## Reservoir Status (For the week ending on 04.03.2010)

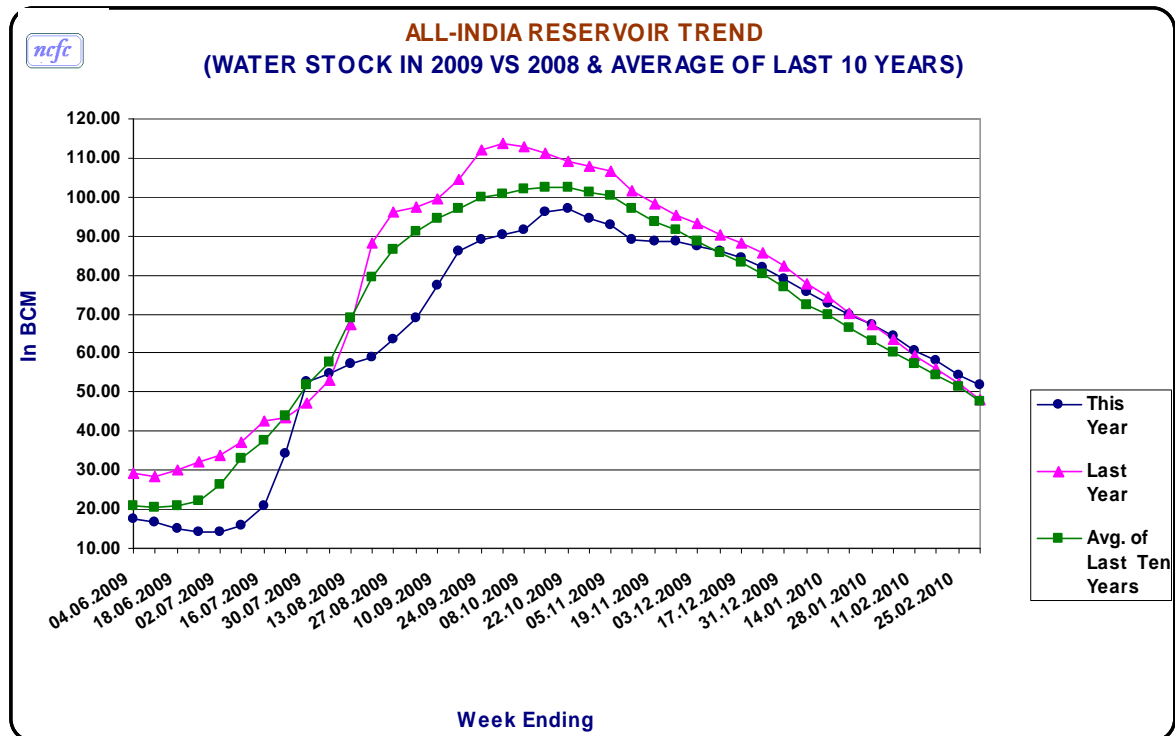
- The **Central Water Commission** monitors the live storage of **81** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **151.77** billion cubic meters (BCM), which is about 67% of total reservoir capacity in the country.
- Water stock in 81 major reservoirs **decreased** to 51.85 BCM from the previous week's level of 54.52 BCM. Current storage is less than the last year's position of 48.20 BCM and the average of last 10 year's storage of 47.83 BCM.

**Table – 2: For 81 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	34	108	108
Last Week	36	104	106
The percentage to live capacity at FRL was 32% on 04/03/2009, 38% on 04/03/2008, 49% on 01/03/2007 and 48% on 01/03/2006 .			
* <i>Live storage as % to Full Reservoir Level (FRL) of 151.77 Billion Cub. Mts.(BCM)</i>			

Source: CWC

- There were 50 reservoirs having storage more than 80%, 13 reservoirs having storage between 50% to 80% of Normal Storage, 11 reservoirs having storage between 30% to 50% of Normal Storage and 6 reservoirs having storage below 30% of normal storage.
- There was only one reservoir namely Sriramsagar (AP) having no live storage.



Source: Central Water Commission

### ***Fertilizer Position:***

***Table – 3: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP and MOP during February, 2010***

*(in '000 Tonnes)*

<i>Availability / Sale / Closing Stock</i>	<i>Urea</i>	<i>DAP</i>	<i>MOP</i>	<i>Complex</i>
<i>Requirement for February, 2009</i>	<i>1624</i>	<i>405</i>	<i>298</i>	<i>449</i>
<i>Availability during 1<sup>st</sup> to 28<sup>th</sup> February, 2010</i>	<i>1922</i>	<i>287</i>	<i>934</i>	<i>997</i>
<i>Sales during 1<sup>st</sup> to 28<sup>th</sup> February, 2010</i>	<i>1516</i>	<i>202</i>	<i>543</i>	<i>576</i>
<i>Closing Stock as on 28.02.2010</i>	<i>406</i>	<i>86</i>	<i>391</i>	<i>421</i>
<i>Requirement for March, 2010</i>	<i>1463</i>	<i>331</i>	<i>235</i>	<i>352</i>

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

### **Pest & Diseases:**

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

**Table:4**

<b>Statement on All India Crop Situation - Rabi (2009-10) as on 05-03-2010</b>							
Crop Name	Normal Area for whole Rabi Season	Area sown reported			Change vis-à-vis prev. year		Changes in major States (abs. %)
		This Year as on 05-03-2010	% of Col. 3 to Col. 2	Last Year as on 05-03-2009	Absolute	Percentage	
		1	2	3	4	5	
Wheat	270.99	278.17	102.6	275.89	2.3	0.8	Bih (+1.9, +8.9), Chhat (+0.9, +105.6), Guj (-2.9, -24.2), HP (+0.2, +5.6), Kar (+0.2, +9.0), MP (+4.8, +12.6), Maha (+0.7, +6.6), Raj (-3.2, -14.6), UP (-1.0, -1.1), WB (+0.7, +23.8)
Rice	39.80	39.59	99.5	43.23	-3.6	-8.4	AP (-2.3, -15.4), Ass (-0.3, -7.1), Kar (+0.4, +14.1), Ori (-0.6, -20.1), TN (-0.2, -11.0), WB (-0.8, -5.0)
Jowar	47.53	45.70	96.1	49.42	-3.7	-7.5	AP (+0.4, +23.7), Kar (-0.8, -6.3), Maha (-3.6, -10.9)
Maize	8.70	11.61	133.4	11.75	-0.1	-1.2	AP (-0.8, -21.5), Bih (+0.3, +10.8), Kar (-0.1, -11.8), Maha (+0.2, +22.9), TN (+0.2, +9.7)
Barley	6.30	7.60	120.6	7.18	0.4	5.8	M.P. (+0.2, +16.9), Raj (-0.3, -9.4), UP (+0.5, +26.1)
Total Coarse Cereals	62.54	65.27	104.4	68.73	-3.5	-5.0	AP (-0.4, -7.2), Bih (+0.4, +11.3), Kar (-0.9, -6.8), MP (+0.2, +16.7), Maha (-3.4, -10.0), Raj (-0.3, -9.4), TN (+0.3, +6.2), UP (+0.6, +23.8)
Total Cereals	373.33	383.03	102.6	387.85	-4.8	-1.2	
Gram	71.45	89.21	124.9	83.44	5.8	6.9	AP (+0.7, +11.5), Chhat (+0.4, +14.8), Guj (-0.8, -33.7), Kar (+2.7, +31.5), MP (+4.7, +17.1), Maha (+1.6, +13.7), Raj (-3.8, -30.4), U.P. (+0.2, +2.8)
Lentil	14.30	15.23	106.5	14.66	0.6	3.9	MP (+0.3, +6.2), UP (+0.2, +3.3)
Peas	7.32	7.26	99.2	8.12	-0.9	-10.6	MP (+0.1, +2.0), UP (-1.0, -21.4)
Kulthi(Horse Gram)	2.83	4.97	175.5	5.10	-0.1	-2.5	Chhat (-0.1, -30.2), Kar (-0.2, -11.2)
Urad	7.16	8.80	122.9	8.35	0.4	5.3	AP (+1.0, +38.5), Ori (+0.3, +11.5), TN (-0.9, -34.1)
Moong	6.50	7.50	115.4	6.88	0.6	9.0	AP (+0.1, +17.3), Ori (+0.9, +19.2), TN (-0.5, -39.6)
Lathyrus	6.41	4.28	66.7	4.25	0.0	0.6	
Others	3.22	7.10	220.6	6.19	0.9	14.8	
Total Pulses	119.19	144.35	121.1	136.99	7.4	5.4	AP (+3.0, +28.0), Bih (+0.2, +3.6), Chhatt (+0.5, +5.7), Guj (-0.8, -32.3), (Kar (+2.6, +24.9), MP (+5.0, +13.9), Maha(+1.6, +12.4), Ori (+1.4, +11.9), Raj (-3.8, -29.7), TN (-1.6, -28.1), UP (-0.5, -2.6)
Total Foodgrains	492.52	527.38	107.1	524.84	2.5	0.5	
Rapeseed & Mustard	65.27	64.92	99.5	66.87	-1.9	-2.9	Bih (-0.21, -10.6), Guj (-0.9, -29.3), Har (-0.9, -14.9), MP (+0.8, +10.0), Ori (+0.5, +46.4), Raj (-4.8, -17.1), UP (+4.1, +47.0), WB (-0.2, -3.3)
Groundnut	8.91	9.86	110.6	9.50	0.4	3.8	AP (+0.3, +10.1), Kar (+0.4, +20.1), Maha (+0.4, +100.0), TN (+0.4, +20.9), WB (+0.2, +133.3)
Safflower	3.59	2.67	74.3	2.81	-0.1	-5.2	Guj (-0.1, -100.0), Maha (-0.1, -6.0)
Sunflower	13.11	8.79	67.0	11.42	-2.6	-23.1	AP (-0.4, -11.8), Kar (-2.1, -34.7), Maha (-0.1, -5.2)
Sesamum	2.60	1.40	53.8	1.45	-0.1	-3.4	AP (-0.2, -44.1), TN (-0.3, -72.1), WB (+0.4, +1900.0)
Linseed	4.53	4.48	98.9	4.56	-0.1	-1.8	Chhat (-0.1, -5.4), MP (+0.2, +14.5), Maha(-0.1, -13.5)
Others	0.53	0.94	177.9	1.68	-0.7	-43.9	
Total Oilseed (Nine)	95.42	93.05	97.5	98.29	-5.2	-5.3	AP (-0.32, -3.8), Bih (-0.2, -8.9), Guj (-2.6, -54.7), Har (-0.9, -14.9), Kar (-1.9, -20.6), MP (+1.0, +10.7), Ori (+0.5, +12.3), Raj (-4.8, -17.0), UP (+4.1, +44.8), WB (+0.2, +3.4)
All- Crops	587.94	620.43	105.5	623.13	-2.7	-0.4	

Source: Crops & TMOP Divisions, DAC



## Procurement:

**Table – 5: Progressive procurement of Rice as on 05.03.2010 (lakh tonnes)**

State	Total procurement in marketing season 2008-09 (Oct. – Sept.)	Progressive Procurement as on 05.03.2010	
		In Marketing season 2009-2010	In Marketing season 2008-2009
Andhra Pradesh	90.60	30.66	41.35
Chhattisgarh	28.48	29.77	24.92
Haryana	14.25	18.12	14.05
Kerala	2.37	2.24	1.54
Maharashtra	2.61	1.60	1.49
Orissa	27.90	14.47	15.32
Punjab	85.53	92.67	83.74
Tamil Nadu	11.99	6.23	8.02
Uttar Pradesh	36.87	23.88	34.37
Uttaranchal	3.49	2.69	2.71
West Bengal	16.67	6.38	7.08
All-India	336.84	234.26	242.50