

**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> February, 2010

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
05.02.2010.**

**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 03<sup>rd</sup> February, 2010 was 7.3 mm which is 68% less the L.P.A.*
- *In South Peninsula, rainfall during the above period was 41% above the LPA.*
- *Actual Mean Maximum temperature anomaly ranged between 4<sup>o</sup>C and above over some parts of Jammu & Kashmir, Rajasthan and Kerala; 2 to 4<sup>o</sup>C over most parts of Jammu & Kashmir, Himachal Pradesh, Haryana, Delhi, Rajasthan, Uttar Pradesh, North East India, Saurashtra & Kutch, Lakshadweep Islands, some parts of Punjab, Bihar, Jharkhand, Madhya Pradesh, Kerala Tamil Nadu, Andaman & Nicobar Islands; 0 to 2<sup>o</sup>C below normal over most parts of Chattisgarh, Orissa, Telangana, Rayalaseema, South & North Interior Karnataka, Madhya Maharashtra, Marathwada, some parts of East Rajasthan, West Madhya Pradesh, Vidarbha, Coastal Andhra Pradesh, Coastal Karnataka, Tamil Nadu, Kerala; 2 to 4<sup>o</sup>C below normal over some parts of Orissa, Rayalseema, Tamil Nadu, South Interior Karnataka; 0 to 2<sup>o</sup>C over remaining parts of the country.*
- *Minimum Temperature anomaly ranged between 4<sup>o</sup>C and above over most parts of West Rajasthan, some parts of Haryana, East Rajasthan, West Madhya Pradesh, Gujarat; 2 to 4<sup>o</sup>C over most parts of East Rajasthan, Saurashtra & Kutch, some parts of Punjab, Haryana, West Rajasthan, West Madhya Pradesh, Chhattisgarh, Gujarat, Konkan & Goa, Madhya Maharashtra; 0 to 2<sup>o</sup>C below normal over most parts of Bihar, Jharkhand, West Bengal, Sikkim, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Vidarbha, Chhattisgarh, North & South Interior Karnataka, Telangana, Rayalaseema, some parts of Jammu & Kashmir, East Uttar Pradesh, East Rajasthan, Arunachal Pradesh, Madhya Pradesh, Orissa, Madhya Maharashtra, Marathwada, Coastal Andhra Pradesh, Kerala, Tamil Nadu; 2 to 4<sup>o</sup>C below normal over most parts of Orissa, some parts of Jammu & Kashmir, Jharkhand, Gangetic West Bengal, West Madhya Pradesh, North Madhya Maharashtra, North & South Interior Karnataka, Rayalaseema, Tamil Nadu; 0 to 2<sup>o</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 67.46 BCM on 28.01.2010 to 64.51 BCM on 04.02.2010.*

- *Area sown reported till 05.02.2010 under Coarse Cereals, Pulses and Oilseeds was 101%, 115% and 93% of the normal area respectively.*
- *As per latest information available on sowing of crops, around 100.3% of the normal area under rabi crops have been sown upto 05.02.2010. Area sown under all rabi crops taken together has been reported to be 589.46 lakh hectares at All India level as compared to 590.77 lakh hectares in the corresponding period of 2009.*
- *Area reported was higher by 1.7 lakh ha. under Wheat, 4.6 lakh ha. under Gram and 1.5 lakh ha. under Urad. Area coverage is lower by 4.2 lakh ha. under Jowar, 2.1 lakh ha. under Rapeseed & Mustard and 2.9 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 23.01.2010 decreased to 14.56% from the previous week's level of 14.66%. The inflation rate was 8.89% during the corresponding period of last year.*
- *Among the foodgrains, inflation for Wheat has increased to 15.96% from the previous week's level of 14.48%, Rice has decreased to 10.96% from the previous week's level of 12.60% and Cereals to 13.37% from the previous week's level of 14.06% and for Pulses to 44.43% from the previous week's level of 46.87%.*
- *The inflation for non-food items decreased to 4.14% from the previous week's level of 4.70% and for the food items has increased to 17.56% from the previous week's level of 17.40%.*
- *All-India progressive procurement of Rice as on 05.02.2010 was 204.25 lakh tonnes which is lower than the procurement of 213.04 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> February, 2010

- **Widespread rainfall** occurred on 29<sup>th</sup> and 30<sup>th</sup> January, 2010 and isolated on 28<sup>th</sup> January, 2010 over Jammu & Kashmir.
- **Scattered rainfall** occurred over Himachal Pradesh on 30<sup>th</sup> January, 2010.
- **Isolated rainfall occurred** over Andaman & Nicobar Islands, Punjab and West Rajasthan 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 deficient / scanty in 06 met sub-divisions and no rain in 30 met sub-divisions.
- Out of 36 meteorological sub-divisions, **cumulative rainfall (1<sup>st</sup> January to 03<sup>rd</sup> February, 2010)** was in excess / normal in 13 met sub-divisions, deficient / scanty in 22 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 (03.02.2010)				Cumulative (01.01.09 to 03.02.10)			
	(in mm)		Devi. (%)	Cat.	(in mm)		Devia- tion (%)	Cate- gory
	Actual	Normal			Actual	Normal		
<b>North-West India</b>	5.7	11.2	-49	D	10.2	44.4	-77	S
<b>Central India</b>	0.0	2.3	-99	S	4.7	10.5	-55	D
<b>South Peninsular India</b>	0.1	1.4	-95	S	12.6	8.9	41	E
<b>North-East India</b>	0.0	8.8	-100	NR	0.3	24.8	-99	S
<b>Country as a whole</b>	1.8	5.9	-70	S	7.3	22.9	-68	S

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**

- Below normal to appreciably below normal over Nagaland, Manipur, Mizoram & Tripura, Orissa and Chhattisgarh on most days of the week, over Assam & Meghalaya, Gangetic West Bengal, Jharkhand, Vidarbha and North Interior Karnataka on many days of the week, over Bihar and Marathawada on a few days of the week and over Uttar Pradesh, Haryana, Chandigarh & Delhi, Punjab, Himachal Pradesh, Jammu & Kashmir, East Madhya Pradesh, Andhra Pradesh, Tamil Nadu and South Interior Karnataka on one or two days of the week.
- Markedly above normal over West Rajasthan on a few days of the week and over Jammu & Kashmir and East Rajasthan on one day of the week.
- Above normal to appreciably above normal over West Madhya Pradesh, Konkan & Goa, Madhya Maharashtra on most days of the week, over Andaman & Nicobar Islands, Rajasthan, Gujarat State and Coastal Karnataka on many days of the week, over Arunachal Pradesh, Sub-Himalayan West Bengal, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi on a few days of the week and over Uttar Pradesh, Punjab, Jammu & Kashmir, East Madhya Pradesh, Marathawada, Vidarbha, Chhattisgarh, Telangana, Rayalaseema, Tamil Nadu and Lakshadweep on one or two days of the week.
- Minimum temperatures were near normal over the remaining parts of the country.

## ***Weather Outlook / Forecast for the period 4<sup>th</sup> - 10<sup>th</sup> February, 2010 by IMD***

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

- *Fairly widespread to widespread rainfall with heavy to very heavy falls at a few places will occur over Jammu & Kashmir from 5<sup>th</sup> February, 2010 and isolated heavy fall over Himachal Pradesh from 6<sup>th</sup> February, 2010 onwards.*
- *Isolated to scattered rainfall would occur over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Rajasthan and Uttar Pradesh during second half of the week.*
- *Dry weather condition will prevail over remaining parts of the country.*

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

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

- *Isolated rain/thundershowers over Punjab, Himachal Pradesh and Uttaranchal and at a few places over Himachal Pradesh and Jammu & Kashmir.*
- *Mainly dry weather over the rest 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.*
- *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)***

- *Isolated rain/thundershowers over the region for 24 hours.*
- *Mainly dry weather over the region.*

## Reservoir Status (For the week ending on 04.02.2010)

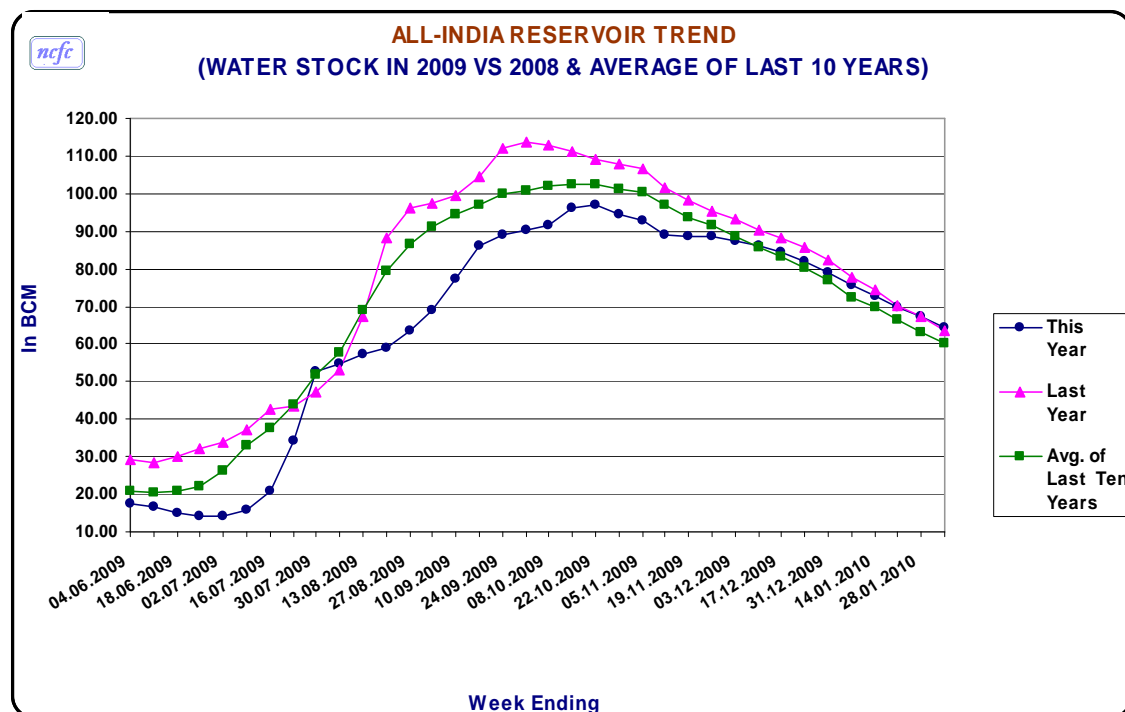
- The **Central Water Commission** monitors the live storage of **81** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **151.77** billion cubic meters (BCM), which is about 67% of total reservoir capacity in the country.
- Water stock in 81 major reservoirs **decreased** to 64.51 BCM from the previous week's level of 67.46 BCM. Current storage is less than the last year's position of 63.65 BCM and the average of last 10 year's storage of 60.25 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	43	101	107
Last Week	44	100	107
The percentage to live capacity at FRL was 42% on 04/02/2009, 47% on 04/02/2008, 57% on 01/02/2007 and 57% on 01/02/2006 .			
* <i>Live storage as % to Full Reservoir Level (FRL) of 151.77 Billion Cub. Mts.(BCM)</i>			

Source: CWC

- There were 51 reservoirs having storage more than 80%, 12 reservoirs having storage between 50% to 80% of Normal Storage, 10 reservoirs having storage between 30% to 50% of Normal Storage and 7 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 January, 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 January, 2009</i>	<i>2738</i>	<i>534</i>	<i>364</i>	<i>636</i>
<i>Availability during 1<sup>st</sup> to 21<sup>st</sup> January, 2010</i>	<i>1803</i>	<i>251</i>	<i>604</i>	<i>587</i>
<i>Sales during 1<sup>st</sup> to 21<sup>st</sup> January, 2010</i>	<i>1198</i>	<i>87</i>	<i>128</i>	<i>217</i>
<i>Closing Stock as on 21.01.2010</i>	<i>605</i>	<i>164</i>	<i>476</i>	<i>370</i>
<i>Requirement for February, 2010</i>	<i>1624</i>	<i>405</i>	<i>298</i>	<i>449</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 05-02-2010</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 05-02-2010	% of Col. 3 to Col. 2	Last Year as on 05-02-2009	Absolute	Percentage	
		1	2	3	4	5	
Wheat	270.99	277.58	102.4	275.87	1.7	0.6	Bih (+1.5, +7.1), Chhat (+0.9, +97.8), Guj (-2.9, -24.2), HP (+0.2, +5.6), Kar (+0.2, +9.0), MP (+4.8, +12.6), Maha (+0.5, +5.3), Raj (-3.2, -14.6), UP (-1.0, -1.1), WB (+0.7, +23.8)
Rice	39.80	22.61	56.8	23.75	-1.1	-4.8	AP (-1.3, -11.7), Ori (-0.3, -35.8), WB (+0.5, +7.7)
Jowar	47.53	44.99	94.7	49.15	-4.2	-8.5	AP (+0.4, +20.6), Kar (-0.8, -6.3), Maha (-4.0, -12.2), TN (+0.1, +6.0)
Maize	8.70	10.17	116.9	10.35	-0.2	-1.7	AP (-0.6, -19.0), Bih (+0.4, +13.7), Kar (-0.1, -11.8), Maha (+0.1, +12.3)
Barley	6.30	7.53	119.5	7.18	0.4	4.9	M.P. (+0.2, +16.9), Raj (-0.3, -9.4), UP (+0.5, +26.1)
Total Coarse Cereals	62.54	62.99	100.7	67.01	-4.0	-6.0	AP (-0.3, -5.6), Bih (+0.4, +13.1), Kar (-0.9, -6.8), MP (+0.2, +16.7), Maha (-3.9, -11.6), Raj (-0.3, -9.4), TN (+0.2, +5.6), UP (+0.6, +23.8)
Total Cereals	373.33	363.18	97.3	366.63	-3.4	-0.9	
Gram	71.45	87.56	122.6	82.98	4.6	5.5	AP (+0.7, +11.2), Chhat (+0.3, +9.7), Guj (-0.8, -33.7), Kar (+2.7, +31.5), MP (+4.7, +17.1), Maha (+0.5, +4.2), Raj (-3.8, -30.4), U.P. (+0.2, +2.8)
Lentil	14.30	15.21	106.3	14.66	0.5	3.7	MP (+0.3, +6.2), UP (+0.2, +3.3)
Peas	7.32	7.23	98.8	8.07	-0.8	-10.4	MP (+0.1, +2.0), UP (-1.0, -21.4)
Kulthi(Horse Gram)	2.83	4.84	171.0	4.31	0.5	12.2	Chhat (-0.1, -28.5), Kar (-0.2, -11.2), TN (+0.7, +2533.3)
Urad	7.16	6.97	97.3	5.43	1.5	28.3	AP (+0.9, +37.2), Ori (+0.2, +9.1), TN (+0.5, +87.4)
Moong	6.50	4.75	73.0	3.86	0.9	23.1	AP (+0.1, +21.9), Ori (+0.5, +18.3), TN (+0.2, +81.5)
Lathyrus	6.41	4.15	64.8	4.25	-0.1	-2.3	Chhat (-0.1, -2.7)
Others	3.22	6.65	206.5	5.99	0.7	10.9	
Total Pulses	119.19	137.35	115.2	129.55	7.8	6.0	AP (+2.9, +28.2), Bih (+0.2, -3.6), Chhatt (+0.2, +2.1), Kar (+2.6, +25.1), MP (+5.0, +13.9), Maha(+0.4, +3.5), Ori (+0.9, +10.0), Raj (-3.8, -29.7), TN (+0.9, +47.6), UP (-0.5, -2.6)
Total Foodgrains	492.52	500.53	101.6	496.18	4.4	0.9	
Rapeseed & Mustard	65.27	64.38	98.6	66.51	-2.1	-3.2	Chhat (+0.1, +8.8), Guj (-0.9, -29.3), Har (-0.9, -14.9), MP (+0.8, +10.0), Raj (-4.8, -17.1), UP (+4.2, +47.2), WB (-0.2, -3.3)
Groundnut	8.91	7.77	87.2	7.42	0.4	4.7	Kar (+0.3, +19.9), Ori (+0.2, +14.8), WB (-0.2, -100.0)
Safflower	3.59	2.67	74.3	2.80	-0.1	-4.8	Guj (-0.1, -100.0), Maha (-0.1, -6.0)
Sunflower	13.11	8.06	61.4	10.94	-2.9	-26.3	AP (-1.0, -27.8), Kar (-1.8, -31.0), Maha (-0.1, -8.8)
Sesamum	2.60	0.71	27.3	1.05	-0.3	-32.5	Ass (-0.1, -100.0), TN (-0.4, -85.6)
Linseed	4.53	4.42	97.5	4.48	-0.1	-1.4	Chhat (-0.1, -7.6), MP (+0.2, +14.5), Maha(-0.1, -13.5)
Others	0.53	0.89	167.5	1.39	-0.5	-36.1	
Total Oilseed (Nine)	95.42	88.92	93.2	94.59	-5.7	-6.0	AP (-1.1, -16.0), Guj (-1.0, -31.2), Har (-0.9, -14.9), Kar (-1.5, -18.5), MP (+1.0, +10.7), Maha (-0.3, -8.7), Ori (+0.4, +12.8), Raj (-4.8, -17.0), TN (-0.3, -15.6), UP (+4.1, +45.0), WB (-0.6, -11.5)
All- Crops	587.94	589.46	100.3	590.77	-1.3	-0.2	

Source: Crops & TMOP Divisions, DAC



## Procurement:

**Table – 5: Progressive procurement of Rice as on 05.02.2010 (lakh tonnes)**

State	Total procurement in marketing season 2008-09 (Oct. – Sept.)	Progressive Procurement as on 05.02.2010	
		In Marketing season 2009-2010	In Marketing season 2008-2009
<b>Andhra Pradesh</b>	<b>89.80</b>	<b>21.93</b>	<b>31.10</b>
<b>Chhattisgarh</b>	<b>28.48</b>	<b>25.87</b>	<b>22.30</b>
<b>Haryana</b>	<b>14.25</b>	<b>18.09</b>	<b>13.98</b>
<b>Kerala</b>	<b>2.37</b>	<b>1.62</b>	<b>1.35</b>
<b>Maharashtra</b>	<b>2.61</b>	<b>1.26</b>	<b>1.33</b>
<b>Orissa</b>	<b>27.90</b>	<b>10.93</b>	<b>11.82</b>
<b>Punjab</b>	<b>85.53</b>	<b>92.63</b>	<b>82.44</b>
<b>Tamil Nadu</b>	<b>11.99</b>	<b>1.97</b>	<b>6.05</b>
<b>Uttar Pradesh</b>	<b>36.87</b>	<b>21.29</b>	<b>29.94</b>
<b>Uttaranchal</b>	<b>3.49</b>	<b>2.34</b>	<b>2.21</b>
<b>West Bengal</b>	<b>16.67</b>	<b>3.60</b>	<b>5.46</b>
<b>All-India</b>	<b>336.84</b>	<b>204.25</b>	<b>213.04</b>