

**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: 23rd March, 2010

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
12.03.2010.**

Summary observations of the Group on Agenda Item

- *In the Pre-Monsoon season, cumulative rainfall received for the country as a whole during the period 1st March to 10th March, 2010 was 4.2 mm which is 53% less than L.P.A.*
- *Actual Mean Maximum temperature anomaly ranged between 4⁰C and above over some parts of Himachal Pradesh, East Uttar Pradesh, Bihar, Jharkhand, Chattisgarh, East Madhya Pradesh, Orissa, Coastal Andhra Pradesh, Tamil Nadu, Rayalaseema, South Interior Karnataka, 0 to 2⁰C over most parts of Jammu & Kashmir, Punjab, Uttar Pradesh, Sikkim, West Rajasthan, West Madhya Pradesh, Gujarat, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra, Karnataka, Kerala, Lakshadweep, Andaman & Nicobar Islands, some parts of Himachal Pradesh, Haryana, Uttarakhand, East Rajasthan, Arunachal Pradesh, Assam, Nagaland, Orissa, Coastal Andhra Pradesh, Marathwada, Vidarbha, 0 to 2⁰C below normal over some parts of Punjab, Kutch, Arunachal Pradesh, Andaman & Nicobar Island, 2 to 4⁰C over remaining parts of the country.*
- *Minimum Temperature anomaly ranged 4⁰C and above over most parts of Mizoram, Tripura, some parts of West Rajasthan, Assam, Manipur, Gangetic West Bengal, East Madhya Pradesh, Chhattisgarh, Orissa, 0 to 2⁰C over most parts of Himachal Pradesh, Uttarakhand, Punjab, East Uttar Pradesh, Bihar, Sikkim, Arunachal Pradesh, Kerala, Karnataka, Maharashtra, Lakshadweep, some parts of Haryana, Delhi, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Jharkhand, Sub-Himalayan West Bengal, Assam, Andhra Pradesh, Tamil Nadu, Andaman & Nicobar Island, 0 to 2⁰C below normal over most parts of Jammu & Kashmir, some parts of Punjab, South Interior Karnataka, Kerala, Andaman & Nicobar Island, 2 to 4⁰ 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 51.84 BCM on 04.03.2010 to 48.89 BCM on 11.03.2010.*
- *Area sown reported till 12.03.2010 under Coarse Cereals, Pulses and Oilseeds was 104%, 121% and 99% 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 12.03.2010. Area sown under all rabi crops taken together has been reported to be 622.15 lakh hectares at All India level as compared to 624.22 lakh hectares in the corresponding period of 2009.*
- *Area reported was higher by 2.3 lakh ha. under Wheat and 5.7 lakh ha. under Gram. Area coverage is lower by 3.9 lakh ha. under Rice, 3.7 lakh ha. under Jowar, 1.8 lakh ha. under Rapeseed & Mustard and 2.5 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 27.02.2010 increased to 15.08% from the previous week's level of 15.00%. The inflation rate was 5.55% during the corresponding period of last year.*
- *Among the foodgrains, inflation for Wheat has increased to 14.34% from the previous week's level of 14.00%; Inflation for Rice has decreased to 9.38% from the previous week's level of 9.62%, for Pulses to 33.38% from the previous week's level of 35.23% and for Cereals 11.53% from the previous week's level of 11.58%..*
- *The inflation for non-food items increased to 13.60% from the previous week's level of 3.89% and for the food items has decreased to 17.81% from the previous week's level of 17.87%.*
- *All-India progressive procurement of Rice as on 12.03.2010 was 241.41 lakh tonnes which is lower than the procurement of 247.56 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))

Pre-Monsoon Season Rainfall (March - May) during the week ending on 10th March, 2010

- **Widespread rainfall** occurred over Himachal Pradesh on 5th March and Jammu & Kashmir on 4th & 6th March, 2010.
- **Fairly widespread rainfall** occurred over Jammu & Kashmir on 5th March and over Assam & Meghalaya on 6th March, 2010.
- **Scattered rainfall** occurred over Punjab on 5th March and over Arunachal Pradesh on 6th March, 2010.
- **Isolated rainfall** occurred over Arunachal Pradesh, Assam & Meghalaya, Himachal Pradesh and West Rajasthan on a few days of the week and over Nagaland, Manipur, Mizoram & Tripura, West Uttar Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab, East Rajasthan, Tamil Nadu, South Interior Karnataka 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 01, deficient / scanty in 16 met sub-divisions and no rain in 19 met sub-divisions.
- Out of 36 meteorological sub-divisions, **cumulative rainfall (1st March to 10th March, 2010)** was in excess / normal in 01 met sub-divisions, deficient / scanty in 16 met sub-divisions and no rain in 19 met sub-divisions.

Table-1: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (10.03.2010)				Cumulative (01.03.10 to 10.03.10)			
	(in mm)		Devi. (%)	Cat.	(in mm)		Devia-tion (%)	Cate-gory
	Actual	Normal			Actual	Normal		
North-West India	4.6	10.3	-56	D	8.7	14.8	-41	D
Central India	0.0	1.6	-99	S	0.0	2.7	-99	S
South Peninsular India	0.1	3.2	-97	S	0.1	3.9	-98	S
North-East India	4.3	11.4	-62	S	9.3	16.3	-43	D
Country as a whole	2.1	6.1	-66	S	4.2	8.8	-53	D

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 Orissa, West Madhya Pradesh and Gujarat Region and Daman, Dadar & Nagar Haveli on most days of the week and over Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Rajasthan and East Madhya Pradesh on many days of the week and over Saurashtra & Kutch on a few days of the week.
- Above normal to appreciably above normal over Sub-Himalayan West Bengal & Sikkim, Vidarbha, Chhattisgarh, Andhra Pradesh and interior Karnataka on most days of the week and over Assam & Meghalaya, Bihar, Uttar Pradesh, Saurashtra & Kutch, Madhya Maharashtra, Marathwada, Kerala and Lakshadweep on many days of the week and over Uttarakhand, Haryana, Chandigarh & Delhi, Tamil Nadu and Coastal Karnataka on a few days of the week and over Arunachal Pradesh, Nagaland, Manipur, Mizoram & Tripura, Gangetic West Bengal, Jharkhand, Punjab, Himachal Pradesh, Jammu & Kashmir, Rajasthan, East Madhya Pradesh and Konkan & Goa on one or two days of the week.
- Appreciably below normal over Tamil Nadu on 4th March and East Uttar Pradesh on 10th March, 2010.
- Below normal over Andaman & Nicobar Islands, Bihar, Marathwada, Vidarbha and 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 Uttarakhand, Himachal Pradesh, Jammu & Kashmir and Chhattisgarh on most days of the week and over Orissa and Jharkhand on many days of the week and over Bihar, East Madhya Pradesh, Saurashtra & Kutch on a few days of the week.
- Above normal to appreciably above normal over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal & Sikkim, Marathwada, Vidarbha, Andhra Pradesh, Tamil Nadu, Karnataka, Kerala and Lakshadweep on most days of the week and over Gangetic West Bengal, Haryana & Chandigarh, East Rajasthan, West Madhya Pradesh on many days of the week and over Arunachal Pradesh, West Rajasthan and Madhya Maharashtra on a few days of the week and over Andaman & Nicobar Islands, Orissa, Jharkhand, Bihar, Uttar Pradesh, Punjab, East Madhya Pradesh, Gujarat Region, Daman, Dadar & Nagar Haveli, Konkan & Goa on one or two days of the week.
- Appreciably below normal over Himachal Pradesh on 4th March and over Arunachal Pradesh on 5th March and over Gujarat Region, Daman, Dadar & Nagar Haveli on 7th March, 2010.
- Below normal over Arunachal Pradesh on a few days of the week and over Haryana, Chandigarh & Delhi, Punjab, Gujarat, Dadar, Nagar Haveli, Daman & Diu and Konkan & Goa on one or two days of the week.
- Maximum temperatures were near normal over the remaining parts of the country.

Weather Outlook / Forecast for the period 11th - 17th March, 2010 by IMD

Outlook for the Week Ending 17th March, 2010

- *Isolated to scattered rainfall would occur over Arunachal Pradesh during the week.*
- *Isolated rainfall would occur over Madhya Maharashtra, Vidarbha, Chhattisgarh and Orissa during 1st half of the week.*

Zone-wise Weather Forecast:

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

- *Isolated rain/thundershowers over Jammu & Kashmir.*
- *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.*
- *Mainly dry weather over the rest region.*

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

- *Isolated rain/thundershowers over Kerala, Lakshadweep and Andaman & Nicobar Islands.*
- *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 11.03.2010)

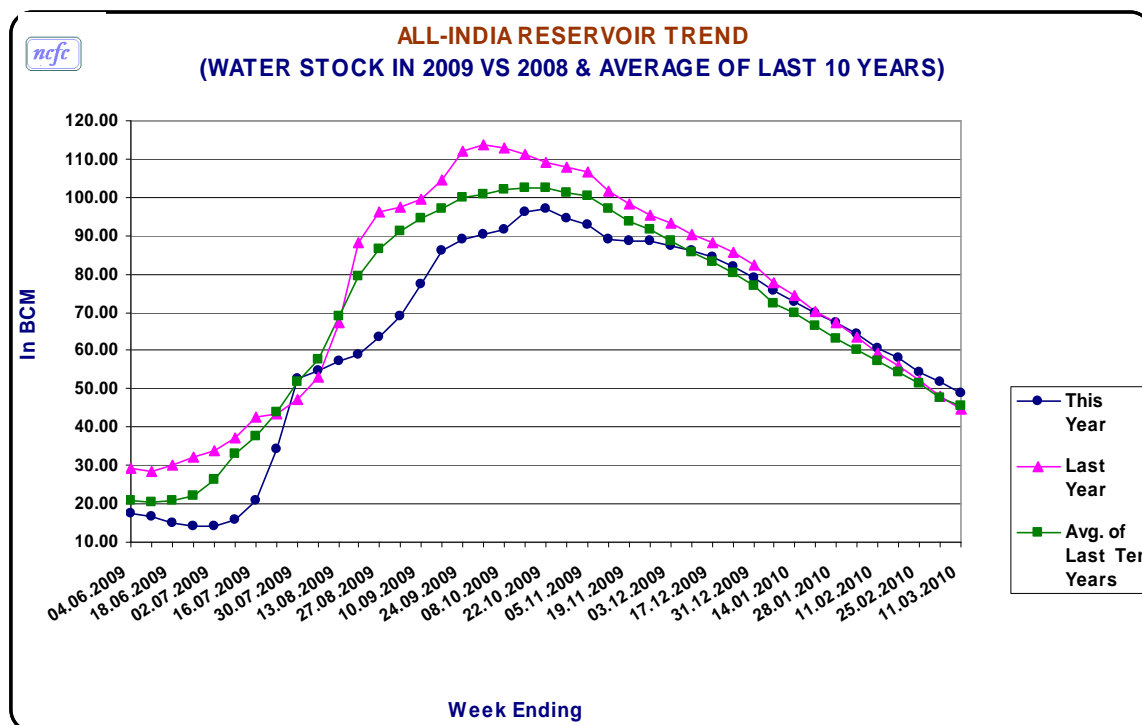
- The **Central Water Commission** monitors the live storage of **81** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **151.77** billion cubic meters (BCM), which is about 67% of total reservoir capacity in the country.
- Water stock in 81 major reservoirs **decreased** to 48.89 BCM from the previous week's level of 51.85 BCM. Current storage is less than the last year's position of 44.74 BCM and the average of last 10 year's storage of 45.70 BCM.

Table – 2: For 81 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	32	109	107
Last Week	34	108	108
The percentage to live capacity at FRL was 29% on 11/03/2009, 36% on 11/03/2008, 47% on 08/03/2007 and 45% on 08/03/2006 .			
* <i>Live storage as % to Full Reservoir Level (FRL) of 151.77 Billion Cub. Mts.(BCM)</i>			

Source: CWC

- There were 49 reservoirs having storage more than 80%, 15 reservoirs having storage between 50% to 80% of Normal Storage, 10 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 March, 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 March, 2010</i>	<i>1463</i>	<i>331</i>	<i>235</i>	<i>352</i>
<i>Availability during 1st to 11th March, 2010</i>	<i>643</i>	<i>213</i>	<i>356</i>	<i>433</i>
<i>Sales during 1st to 11th March, 2010</i>	<i>253</i>	<i>93</i>	<i>33</i>	<i>162</i>
<i>Closing Stock as on 11.03.2010</i>	<i>389</i>	<i>121</i>	<i>322</i>	<i>2710</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

Statement on All India Crop Situation - Rabi (2009-10) as on 12-03-2010							
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 12-03-2010	% of Col. 3 to Col. 2	Last Year as on 12-03-2009	Absolute	Percentage	
1	2	3	4	5	6	7	8
Wheat	270.99	278.16	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	40.29	101.2	44.22	-3.9	-8.9	AP (-2.6, -16.7), Ass (-0.3, -7.1), Kar (+0.5, +16.6), Ori (-0.6, -20.1), TN (-0.2, -10.0), WB (-0.8, -5.0)
Jowar	47.53	45.69	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	11.74	-0.1	-1.1	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	7.17	0.4	6.0	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	68.72	-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	383.72	102.8	388.83	-5.1	-1.3	
Gram	71.45	89.22	124.9	83.51	5.7	6.8	AP (+0.7, +11.5), Chhat (+0.4, +12.1), 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	-10.5	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	8.36	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	6.89	0.6	8.8	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	144.36	121.1	137.08	7.3	5.3	AP (+3.0, +28.0), Bih (+0.2, +3.6), Chhatt (+0.4, +4.7), 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	528.08	107.2	525.91	2.2	0.4	
Rapeseed & Mustard	65.27	65.07	99.7	66.87	-1.8	-2.7	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	10.17	114.1	9.52	0.6	6.8	AP (+0.3, +10.5), Kar (+0.4, +20.1), Maha (+0.4, +100.0), TN (+0.4, +20.9), WB (+0.5, +333.3)
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	8.89	67.8	11.42	-2.5	-22.2	AP (-0.3, -8.8), Kar (-2.1, -34.7), Maha (-0.1, -5.2)
Sesamum	2.60	1.61	61.9	1.45	0.2	11.0	AP (-0.1, -41.2), TN (-0.3, -72.1), WB (+0.6, +2900.0)
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	1.19	225.1	1.68	-0.5	-29.0	
Total Oilseed (Nine)	95.42	94.07	98.6	98.31	-4.2	-4.3	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 (+0.9, +18.3)
All- Crops	587.94	622.15	105.8	624.22	-2.1	-0.3	

Source: Crops & TMOP Divisions, DAC

Procurement:

Table – 5: Progressive procurement of Rice as on 12.03.2010 (lakh tonnes)

State	Total procurement in marketing season 2008-09 (Oct. – Sept.)	Progressive Procurement as on 12.03.2010	
		In Marketing season 2009-2010	In Marketing season 2008-2009
Andhra Pradesh	90.60	32.73	43.21
Chhattisgarh	28.48	29.95	25.21
Haryana	14.25	18.13	14.05
Kerala	2.37	2.53	1.67
Maharashtra	2.61	1.62	1.53
Orissa	27.90	16.46	16.33
Punjab	85.53	92.68	83.97
Tamil Nadu	11.99	6.87	8.57
Uttar Pradesh	36.87	24.33	34.74
Uttaranchal	3.49	2.85	2.82
West Bengal	16.67	7.13	7.12
All-India	336.84	241.41	247.56