

**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: 30th April, 2010

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
23.04.2010.**

Summary observations of the Group on Agenda Item

- *IMD's long range forecast for the 2010 South-west monsoon season (June to September) is that the rainfall for the country as a whole is likely to be Normal.*
- *Quantitatively, monsoon season rainfall is likely to be 98% of the long period average with a model error of $\pm 5\%$. The Long period average rainfall over the country as a whole for the period 1941-1990 is 89 cm.*
- *In the Pre-Monsoon season, cumulative rainfall received for the country as a whole during the period 1st March to 21st April, 2010 was 36.3 mm which is 36% less than L.P.A.*
- *Actual Mean Maximum temperature anomaly was 7°C and above over most parts of Jammu & Kashmir, Punjab and Himachal Pradesh, 5 to 7°C over most parts of Haryana, Delhi, Rajasthan, East Madhya Pradesh, Chhattishharh, some parts of Uttar Pradesh, Bihar, Jharkhand, West Madhya Pradesh, Vidarbha, Marathwada and North Interior Karataka.*
- *Maximum temperature anomaly has decreased in parts of West Bengal, Sikkim, Bihar, Jharkhand, Assam & Meghalaya, Arunachal Pradesh, South Interior Karnataka, Coastal Karnataka, Kerala, Andaman & Nicobar Islands as compared to last week and remains unchanged in most parts of Jammu & Kashmir, Himachal Pradesh, Punjab, Haryana, Uttarakhand, Rajasthan, Madhya Pradesh, Chhattisgarh.*
- *In 81 important water reservoirs monitored by CWC in different parts of the country, total live storage has decreased from 35.05 BCM on 15.04.2010 to 32.43 BCM on 22.04.2010.*
- *Area sown reported till 23.04.2010 under Coarse Cereals, Pulses and Oilseeds was 104%, 124% and 102% of the normal area respectively.*
- *As per latest information available on sowing of crops, around 109% of the normal area under rabi crops have been sown upto 23.04.2010. Area sown under all rabi crops taken together has been reported to be 641.28 lakh hectares at All India level as compared to 635.40 lakh hectares in the corresponding period of 2009.*
- *Area reported was higher by 8.1 lakh ha. under Wheat and 5.8 lakh ha. under Gram. Area coverage is lower by 3.3 lakh ha. under Rice, 3.7 lakh ha. under Jowar, 1.8 lakh ha. under Rapeseed & Mustard and 3.1 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 10.04.2010 increased to 14.15% from the previous week's level of 13.88%. The inflation rate was 6.42% during the corresponding period of last year.*
- *Among the foodgrains, inflation for Rice has increased to 9.33% from the previous week's level of 8.45%; inflation for Wheat has decreased to 11.18% from the previous week's level of 12.42%, Pulses to 28.77% from the previous week's level of 32.55% and for Cereals to 10.06% from the previous week's level of 10.21%.*
- *The inflation for non-food items decreased to 10.23% from the previous week's level of 10.24% and for the food items has increased to 17.65% from the previous week's level of 17.22%.*
- *All-India progressive procurement of Wheat as on 23.04.2010 was 167.89 lakh tonnes which is higher than the procurement of 157.81 lakh tonnes upto the corresponding period of last year.*
- *All-India progressive procurement of Rice as on 23.04.2010 was 264.22 lakh tonnes which is lower than the procurement of 272.51 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 21st April, 2010

- **Fairly widespread to widespread rainfall** occurred on many days of the week and isolated to scattered on one or two days of the week over Northeastern States.
- **Widespread rainfall** occurred on 19th & 21st April and **scattered** on 18th April and **isolated** on 20th April, 2010 over Jammu & Kashmir.
- **Scattered to fairly widespread rainfall** occurred over Sub-Himalayan West Bengal & Sikkim, Coastal Karnataka, South Interior Karnataka and Kerala on many days of the week and over Himachal Pradesh on a few days of the week and over Uttarakhand, Rayalseema, North Interior Karnataka and Lakshadweep on one or two days of the week.
- **Isolated rainfall occurred** over Tamil Nadu and North Interior Karnataka on most days of the week and over Lakshadweep on a few days of the week and over Sub-Himalayan West Bengal & Sikkim, Bihar, West Uttar Pradesh, Uttarakhand, Haryana, Punjab, Madhya Maharashtra, Andhra Pradesh, Coastal Karnataka, South Interior Karnataka and Kerala on one or two days of the week.
- Mainly **dry weather** prevailed over the rest regions of the country
- Out of 36 meteorological sub-divisions, **rainfall during the week** was excess /normal in 14, deficient / scanty in 12 met sub-divisions and no rain in 10 met sub-divisions.
- Out of 36 meteorological sub-divisions, **cumulative rainfall (1st March to 21st April, 2010)** was in excess / normal in 07 met sub-divisions, deficient / scanty in 27 met sub-divisions and no rain in 02 met sub-divisions.

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

Region	Week Ending (21.04.2010)				Cumulative (01.03.10 to 21.04.10)			
	(in mm)		Devi. (%)	Cat.	(in mm)		Deviation (%)	Category
	Actual	Normal			Actual	Normal		
North-West India	10.6	7.8	37	E	25.7	71.8	-64	S
Central India	1.0	3.1	-68	S	4.0	17.2	-77	S
South Peninsular India	11.3	8.5	33	E	21.9	34.6	-37	D
North-East India	46.2	31.3	47	E	142.9	138.9	3	N
Country as a whole	13.2	10.1	31	E	36.3	56.8	-36	D

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

Source: India Meteorological Department, New Delhi

Temperature

Maximum Temperature

- Maximum temperatures were appreciably above normal to markedly above normal over Orissa, Jharkhand, West Uttar Pradesh, Uttarakhand, Haryana, Punjab, Rajasthan, Madhya Pradesh, Vidarbha and Chhattisgarh on most days of the week and over Jammu & Kashmir on many days of the week.
- Above normal to appreciably above normal Andaman & Nicobar Islands, East Uttar Pradesh, Gujarat, Konkan & Goa, Madhya Maharashtra, Marathwada, Andhra Pradesh, Tamil Nadu, Coastal Karnataka, North Interior Karnataka, Kerala and Lakshadweep on most days of the week and over Gangetic West Bengal, Bihar and South Interior Karnataka on many days of the week and over Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Sub-Himalayan West Bengal and Jammu & Kashmir on one or two days of the week.
- Appreciably below normal to markedly below normal over Nagaland, Manipur, Mizoram & Tripura and Sub-Himalayan West Bengal from 17th to 21st April, 2010 and over Arunachal Pradesh during 2nd half of the week.
- Below normal to markedly below normal over Assam & Meghalaya form 17th to 20th April, 2010.
- Appreciably below normal over Jammu & Kashmir on 21st April, 2010.
- Below normal over Bihar on 18th April, 2010.
- Maximum temperatures were near normal over the remaining parts of the country.

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.

Weather Outlook / Forecast for the period 22nd – 28th April, 2010 by IMD

Outlook for the Week Ending 28th April, 2010

- *Scattered to fairly widespread rainfall would occur over Northeastern States during the week.*
- *Isolated to scattered rainfall would occur over Himalayan region, Gangetic West Bengal, Orissa and extreme South Peninsular India during 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 rest region.*

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

- *Isolated rain/thundershowers over Sub-Himalayan west Bengal & Sikkim, Gangetic West Bengal and Orissa.*
- *Mainly dry weather over the rest region.*

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

- *Rain/thundershowers at a few places over Arunachal Pradesh and Assam & Meghalaya.*
- *Isolated rain/thundershowers over NMM&T.*

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

- *Isolated rain/thundershowers over the region.*
- *Rain/thundershower at a few places over South Interior Karnataka.*

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 22.04.2010)

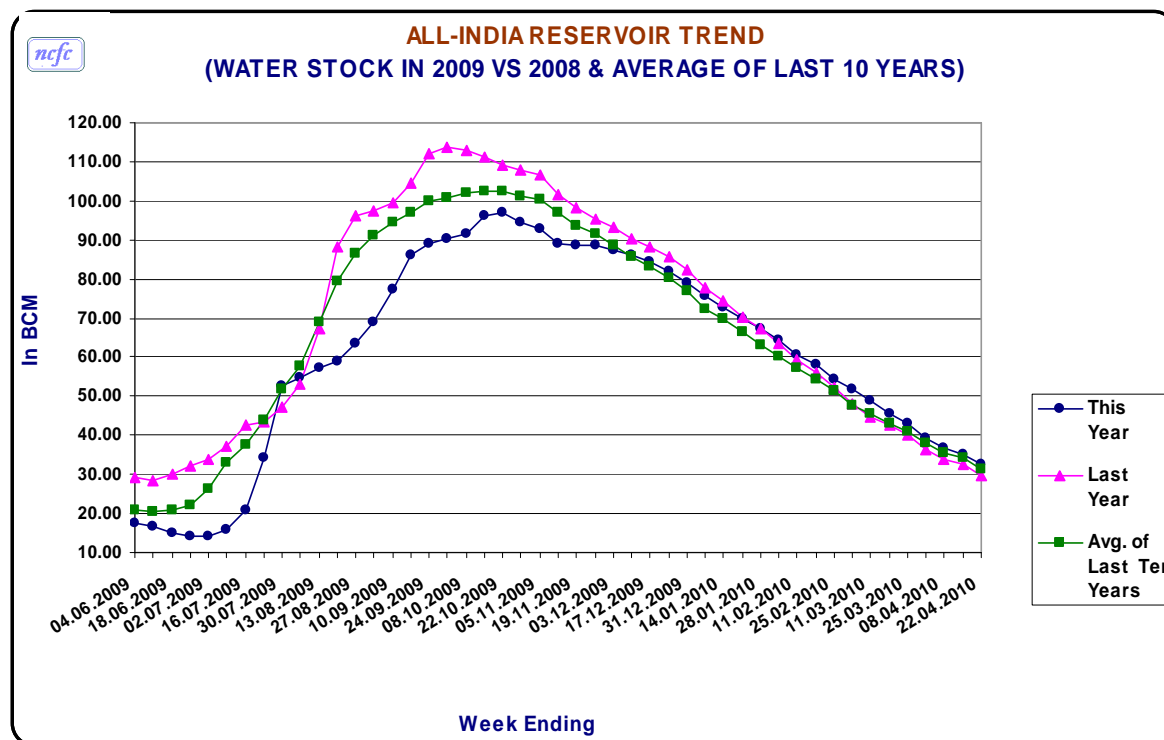
- The **Central Water Commission** monitors the live storage of **81** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **151.77** billion cubic meters (BCM), which is about 67% of total reservoir capacity in the country.
- Water stock in 81 major reservoirs **decreased** to 32.43 BCM from the previous week's level of 35.05 BCM. Current storage is less than the last year's position of 29.47 BCM and the average of last 10 year's storage of 31.16 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	21	110	104
Last Week	23	108	103
The percentage to live capacity at FRL was 19% on 22/04/2009, 27% on 22/04/2008, 33% on 19/04/2007 and 30% on 19/04/2006 .			
* <i>Live storage as % to Full Reservoir Level (FRL) of 151.77 Billion Cub. Mts.(BCM)</i>			

Source: CWC

- There were 48 reservoirs having storage more than 80%, 15 reservoirs having storage between 50% to 80% of Normal Storage, 6 reservoirs having storage between 30% to 50% of Normal Storage and 8 reservoirs having storage below 30% of normal storage.
- There were four reservoirs namely Sriramsagar (AP), Kabini (Kar), Yeldari (Maha) and Gumti (Trp) 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 April, 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 April, 2010</i>	<i>1182</i>	<i>619</i>	<i>254</i>	<i>461</i>
<i>Availability during 1st to 22nd April, 2010</i>	<i>867</i>	<i>315</i>	<i>89</i>	<i>326</i>
<i>Sales during 1st to 22nd April, 2010</i>	<i>284</i>	<i>215</i>	<i>19</i>	<i>109</i>
<i>Closing Stock as on 22.04.2010</i>	<i>584</i>	<i>100</i>	<i>71</i>	<i>218</i>
<i>Requirement for May, 2010</i>	<i>1749</i>	<i>992</i>	<i>246</i>	<i>622</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 23-04-2010							
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 23-04-2010	% of Col. 3 to Col. 2	Last Year as on 23-04-2009	Absolute	Percentage	
		1	2	3	4	5	
Wheat	270.99	286.84	105.8	278.77	8.1	2.9	Bih (+1.9, +9.0), Chhat (+1.0, +106.7), Guj (-2.9, -24.4), J&K (-0.4, -13.7), Kar (+0.2, +8.6), MP (+4.8, +12.6), Maha (+0.7, +6.6), Pun (-0.2, -0.5), Raj (+1.5, +6.5), UP (+1.2, +1.2), WB (+0.7, +23.8)
Rice	39.80	44.42	111.6	47.69	-3.3	-6.9	AP (-2.6, -16.6), Bih (-0.1, -7.7), Kar (+0.3, +10.3), Ori (-0.7, -20.2), TN (-0.1, -5.7), WB (-1.1, -6.9)
Jowar	47.53	45.74	96.2	49.44	-3.7	-7.5	AP (+0.4, +23.7), Kar (-0.8, -6.3), Maha (-3.6, -10.9)
Maize	8.70	11.77	135.3	11.87	-0.1	-0.8	AP (-0.9, -22.4), Bih (+0.3, +10.8), Kar (-0.1, -11.8), Maha (+0.2, +22.9), TN (+0.3, +13.5)
Barley	6.30	7.28	115.6	7.18	0.1	1.4	M.P. (+0.2, +16.9), Raj (-0.6, -20.9), UP (+0.5, +26.1)
Total Coarse Cereals	62.54	65.20	104.3	68.88	-3.7	-5.3	AP (-0.4, -7.4), Bih (+0.4, +11.3), Kar (-0.9, -6.8), MP (+0.2, +16.7), Maha (-3.4, -10.0), Raj (-0.6, -20.9), TN (+0.4, +8.5), UP (+0.6, +23.8)
Total Cereals	373.33	396.46	106.2	395.34	1.1	0.3	
Gram	71.45	89.35	125.1	83.60	5.8	6.9	AP (+0.8, +13.0), Chhat (+0.4, +13.1), 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	15.25	106.6	14.79	0.5	3.1	Bih (-0.1, -2.7), MP (+0.3, +6.2), UP (+0.2, +3.3)
Peas	7.32	7.27	99.3	8.15	-0.9	-10.8	MP (+0.1, +2.0), UP (-1.0, -21.4)
Kulthi(Horse Gram)	2.83	4.97	175.8	5.23	-0.3	-5.0	Chhat (-0.1, -30.2), Kar (-0.2, -11.2), Ori (-0.1, -5.3)
Urad	7.16	10.85	151.6	8.92	1.9	21.6	AP (+0.7, +26.2), Ori (+0.3, +7.6), TN (+1.0, +38.3)
Moong	6.50	8.48	130.5	7.39	1.1	14.8	AP (+0.1, +18.7), Ori (+0.7, +12.9), TN (+0.3, +21.0)
Lathyrus	6.41	4.28	66.7	4.23	0.0	1.0	
Others	3.22	6.97	216.4	6.36	0.6	9.6	
Total Pulses	119.19	147.42	123.7	138.68	8.7	6.3	AP (+2.5, +23.0), Chhatt (+0.4, +5.2), Guj (-0.8, -32.3), (Kar (+2.6, +24.9), MP (+5.0, +13.9), Maha(+1.6, +12.4), Ori (+0.8, +6.1), Raj (-3.8, -29.7), TN (+1.2, +21.4), UP (-0.5, -2.6)
Total Foodgrains	492.52	543.88	110.4	534.02	9.9	1.8	
Rapeseed & Mustard	65.27	65.13	99.8	66.90	-1.8	-2.6	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	11.30	126.9	10.92	0.4	3.5	Guj (-0.5, -42.5), Kar (+0.3, +14.9), TN (+0.4, +17.0), WB (+0.3, +85.7)
Safflower	3.59	2.68	74.6	2.80	-0.1	-4.4	AP (+0.1, +42.9), Guj (-0.1, -100.0), Maha (-0.1, -6.0)
Sunflower	13.11	9.42	71.8	12.53	-3.1	-24.9	AP (-0.5, -14.7), Kar (-2.1, -33.9), Maha (-0.7, -31.7), UP (+0.1, +65.0)
Sesamum	2.60	2.43	93.4	1.76	0.7	38.0	TN (-0.2, -40.9), WB (+0.9, +242.9)
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	1.97	370.9	1.92	0.0	2.4	
Total Oilseed (Nine)	95.42	97.40	102.1	101.39	-4.0	-3.9	AP (-0.4, -6.3), Guj (-2.0, -41.6), Har (-0.9, -14.9), Kar (-1.9, -20.4), MP (+1.0, +10.7), Maha (-0.9, -17.3), Ori (+1.0, +23.8), Raj (-4.8, -17.0), UP (+4.3, +45.3), WB (+1.1, +19.2)
All- Crops	587.94	641.28	109.1	635.40	5.9	0.9	

Source: Crops & TMOP Divisions, DAC

Procurement:

Table – 5: Progressive procurement of Wheat as on 23.04.2010 (lakh tonnes)

State	Total procurement in marketing season 2008-09 (April - March)	Progressive Procurement as on 23.04.2010	
		In Marketing season 2010-2011	In Marketing season 2009-2010
Punjab	107.25	84.34	82.40
Haryana	69.24	56.15	55.57
Uttar Pradesh	38.82	2.68	4.05
Madhya Pradesh	19.68	21.63	9.54
Rajasthan	11.52	2.55	5.61
All-India	253.82	167.89	157.81

Table – 6: Progressive procurement of Rice as on 23.04.2010 (lakh tonnes)

State	Total procurement in marketing season 2008-09 (Oct. – Sept.)	Progressive Procurement as on 23.04.2010	
		In Marketing season 2009-2010	In Marketing season 2008-2009
Andhra Pradesh	90.60	42.24	52.68
Chhattisgarh	28.48	30.64	25.48
Haryana	14.25	18.16	14.25
Kerala	2.37	2.39	2.06
Maharashtra	2.61	1.82	1.81
Orissa	27.90	18.85	19.29
Punjab	85.53	92.72	84.68
Tamil Nadu	11.99	9.56	10.53
Uttar Pradesh	36.87	25.99	35.47
Uttaranchal	3.49	3.37	3.24
West Bengal	16.67	9.22	11.53
All-India	336.84	264.22	272.51