

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: 05.05.2015

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 01.05.2015.

Summary observations of the Group on Agenda Items

- *During the week 23rd April to 29th April, 2015, the maximum temperature were below normal by 2 to 4^o C over many parts of Uttarakhand, Uttar Pradesh, Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim, Chhattisgarh, Odisha and Tamil Nadu, a few / isolated parts of East Madhya Pradesh, Gangetic West Bengal, Assam, Vidarbha and Kerala, above normal by 2 to 4^o C over a few parts of Saurashtra & Kutch, isolated parts of West Rajasthan and normal to near normal in remaining parts of the country, Lakshadweep and Andaman & Nicobar Islands.*
- *The minimum temperature was below normal by 2 to 4^o C over Gangetic West Bengal, many parts of Odisha, a few / isolated parts of Chhattisgarh, Jharkhand and Bihar, above normal by 2 to 4^o over many parts of West Rajasthan, isolated parts of East Rajasthan, 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 23rd April to 29th April, 2015 was 47% 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 228% in Central India, 98% in South Peninsula, 23% in East & North East India and lower by -11% in North West India.*
- *In the pre-monsoon season, cumulative Rainfall for the country as a whole during the period 1st March to 29th April, 2015 was 89% 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 223% in Central India, 140% in North West India, 122% in South Peninsula and 6% in East & North East India.*
- *Out of a total of 36 met sub-divisions, 36 met sub-divisions constituting 100% of the total area of the country has received excess/normal 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 30th April, 2015 was 48.63 BCM as against 53.36 BCM on 30.04.2014 (last year) and 40.49 BCM of normal (average storage of the last 10 years) storage. Current year's storage is 91% of the last year's storage and 120% of the normal storage.*
- *All-India progressive procurement of Rice as on 01.05.2015 for the marketing season 2014-15 was 258.52 lakh tonnes against the procurement of 259.02 lakh tonnes upto the corresponding period of last year.*
- *All-India progressive procurement of Wheat as on 01.05.2015 for the marketing season 2015-16 was 182.30 lakh tonnes against the procurement of 185.79 lakh tonnes upto the corresponding period of last year*

Pre-Monsoon Season (March – May) during the week ending on 29th April, 2015

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

- **Rainfall during the week (23rd April, 2015 to 29th April, 2015)** Rainfall was excess/normal in 23 deficient/scanty in 8 and no rain in 5 out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March to 29th May, 2015)** Rainfall was excess/normal in 36 out of 36 meteorological sub-divisions.

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

| Region | Week Ending (29.04.2015) | | | | Cumulative (01.03.15 to 29.04.15) | | | |
|-------------------------|--------------------------|--------|-----------------------|------|-----------------------------------|--------|-----------------------|---------------|
| | (in mm) | | Devi- ation (%) | Cat. | (in mm) | | Devi- ation (%) | Cate- gory |
| | Actual | Normal | | | Actual | Normal | | |
| North-West India | 6.5 | 7.3 | -11 | N | 186.2 | 77.7 | 140 | E |
| Central India | 8.2 | 2.5 | 228 | E | 61.4 | 19.0 | 223 | E |
| South Peninsular India | 20.5 | 10.4 | 98 | E | 98.8 | 44.5 | 122 | N |
| East & North-East India | 41.8 | 34.0 | 23 | E | 187.0 | 176.7 | 6 | N |
| Country as a whole | 15.5 | 10.5 | 47 | E | 127.2 | 67.4 | 89 | 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 | | | | | |
|---------------------------------------|--|---------------|----------------|----------------|----------------|-------------|
| | 28 APR 2010 | 27 APR 2011 | 02 MAY 2012 | 01 MAY 2013 | 30 APR 2014 | 29 APR 2015 |
| Excess | 03 | 14 | 05 | 07 | 14 | 31 |
| Normal | 05 | 07 | 11 | 08 | 08 | 05 |
| Total | 08 | 21 | 16 | 15 | 22 | 36 |
| Deficient | 09 | 10 | 13 | 16 | 05 | 00 |
| Scanty | 17 | 04 | 07 | 05 | 09 | 00 |
| No rain | 02 | 01 | 00 | 00 | 00 | 00 |
| Total | 28 | 15 | 20 | 21 | 14 | 00 |
| Data Inadequate | 00 | 00 | 00 | 00 | 00 | 00 |
| TOTAL | 36 | 36 | 36 | 36 | 36 | 36 |
| All-India % Rainfall Deviation | (-) 28% | (-) 4% | (-) 15% | (-) 35% | (-) 15% | 89% |

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 | | | | | | |
|------|------------------------------|----------|--------|--------|--------|--------|--------|--------|---------------------|--------|--------|--------|--------|--------|--------|---------------------|--------|--------|--------|--------|--------|--------|
| | | 23 APR | 24 APR | 25 APR | 26 APR | 27 APR | 28 APR | 29 APR | 23 APR | 24 APR | 25 APR | 26 APR | 27 APR | 28 APR | 29 APR | 23 APR | 24 APR | 25 APR | 26 APR | 27 APR | 28 APR | 29 APR |
| 1 | A & N ISLANDS | SCT | FWS | SCT | SCT | DRY | DRY | SCT | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 2 | ARUNACHAL PRADESH | WS | WS | FWS | SCT | SCT | SCT | ISOL | N | N | BN | N | N | AN | N | N | N | N | N | N | N | N |
| 3 | ASSAM & MEGHALAYA | WS | WS | FWS | ISOL | ISOL | ISOL | SCT | N | N | BN | N | N | AN | BN | N | N | N | N | N | N | N |
| 4 | N.M.M.&TRIPURA | WS | WS | ISOL | SCT | ISOL | SCT | ISOL | N | N | BN | N | N | N | N | N | N | N | N | N | N | N |
| 5 | S.H.W.B & SIKKIM | ISOL | FWS | SCT | ISOL | ISOL | FWS | FWS | N | BN | MBN | MBN | N | N | ABN | N | N | N | N | N | N | N |
| 6 | GANGETIC W. BENGAL | ISOL | ISOL | FWS | ISOL | ISOL | SCT | FWS | N | ABN | MBN | MBN | ABN | N | ABN | N | N | N | N | N | N | N |
| 7 | ODISHA | ISOL | ISOL | ISOL | WS | ISOL | ISOL | WS | N | N | BN | N | ABN | N | BN | N | N | N | N | N | N | N |
| 8 | JHARKHAND | ISOL | ISOL | FWS | DRY | ISOL | SCT | SCT | N | N | N | MBN | ABN | BN | BN | N | N | N | N | N | N | N |
| 9 | BIHAR | DRY | DRY | SCT | ISOL | ISOL | ISOL | SCT | N | N | N | MBN | N | N | ABN | N | N | N | N | N | N | N |
| 10 | EAST UTTAR PRADESH | DRY | DRY | ISOL | DRY | DRY | ISOL | SCT | N | N | N | MBN | MBN | ABN | MBN | ABN | N | N | N | N | N | N |
| 11 | WEST UTTAR PRADESH | DRY | DRY | DRY | DRY | DRY | ISOL | DRY | N | N | N | N | MBN | ABN | N | ABN | N | N | N | N | N | N |
| 12 | UTTARAKHAND | ISOL | ISOL | ISOL | SCT | ISOL | ISOL | ISOL | N | N | N | N | N | BN | N | N | N | N | N | N | N | N |
| 13 | HAR.CHD. & DELHI | DRY | DRY | DRY | DRY | DRY | ISOL | ISOL | N | N | N | N | MBN | ABN | ABN | ABN | N | N | N | N | N | N |
| 14 | PUNJAB | DRY | DRY | DRY | DRY | DRY | ISOL | ISOL | N | N | N | N | MBN | ABN | N | N | N | N | N | N | N | N |
| 15 | HIMACHAL PRADESH | ISOL | DRY | ISOL | ISOL | DRY | DRY | ISOL | AN | N | AN | N | N | N | N | N | N | N | N | N | N | N |
| 16 | JAMMU & KASHMIR | DRY | DRY | DRY | DRY | FWS | FWS | DRY | AN | AN | AN | AAN | MBN | ABN | N | N | N | N | N | N | N | N |
| 17 | WEST RAJASTHAN | DRY | DRY | DRY | DRY | DRY | DRY | DRY | N | N | AN | AAN* | AAN | N | N | N | N | N | N | N | N | N |
| 18 | EAST RAJASTHAN | DRY | DRY | DRY | DRY | DRY | DRY | DRY | N | N | N | N | AAN | N | N | N | N | N | N | N | N | N |
| 19 | WEST M.PRADESH | DRY | DRY | DRY | DRY | DRY | DRY | DRY | N | N | N | N | AAN | N | N | N | N | N | N | N | N | N |
| 20 | EAST M.PRADESH | DRY | DRY | DRY | DRY | ISOL | DRY | ISOL | N | N | N | N | BN | N | N | N | N | N | N | N | N | N |
| 21 | GUJ.REG. D.D & N.H | DRY | DRY | DRY | DRY | DRY | DRY | DRY | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 22 | SAURASTRA K & DIJ | DRY | DRY | DRY | DRY | DRY | DRY | DRY | N | N | N | N | AAN | AAN | AN | AN | N | N | N | N | N | N |
| 23 | KONKAN & GOA | DRY | ISOL | DRY | DRY | DRY | ISOL | DRY | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 24 | M. MAHARASHTRA | ISOL | ISOL | DRY | DRY | DRY | ISOL | DRY | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 25 | MARATHAWADA | DRY | ISOL | DRY | DRY | DRY | DRY | DRY | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 26 | VIDARBHA | DRY | DRY | DRY | DRY | ISOL | ISOL | DRY | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 27 | CHHATTISGARH | DRY | ISOL | ISOL | ISOL | ISOL | DRY | ISOL | N | N | N | BN | N | ABN | BN | N | N | N | N | N | N | N |
| 28 | COASTAL A.PRADESH | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | N | N | N | N | BN | N | N | N | N | N | N | N | N | N |
| 29 | TELANGANA | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | ISOL | N | N | N | N | ABN | ABN | N | N | N | N | N | N | N | N |
| 30 | RAYALASEEMA | ISOL | SCT | ISOL | ISOL | ISOL | DRY | DRY | N | N | N | N | BN | N | N | N | N | N | N | N | N | N |
| 31 | TAMIL & PUDUCHERRY | ISOL | ISOL | WS | ISOL | ISOL | ISOL | ISOL | N | N | N | BN | N | ABN | N | N | N | N | N | N | N | N |
| 32 | COASTAL KARNATAKA | ISOL | FWS | ISOL | ISOL | ISOL | ISOL | ISOL | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 33 | N. L. KARNATAKA | ISOL | SCT | ISOL | ISOL | ISOL | ISOL | ISOL | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 34 | S. L. KARNATAKA | ISOL | FWS | SCT | SCT | SCT | ISOL | ISOL | N | N | N | N | ABN | N | N | N | N | N | N | N | N | N |
| 35 | KERALA | ISOL | ISOL | WS | ISOL | WS | SCT | ISOL | N | N | N | N | N | N | N | N | N | N | N | N | N | N |
| 36 | LAKEASHWEEP | DRY | DRY | SCT | SCT | DRY | SCT | DRY | N | N | N | N | N | N | N | N | N | N | N | N | N | N |

| LEGENDS FOR RAINFALL | |
|----------------------|---|
| WS | WIDESPREAD/ MOST PLACES (75-100%) |
| FWS | FAIRLY WIDESPREAD / MANY PLACES (51-75%) |
| SCT | SCATTERED/FEW PLACES (26-50%) |
| ISOL | ISOLATED (UP TO 25 %) |
| DRY | NO STATION REPORTED RAINFALL |
| + | ACTIVE [R/F 1 st - 4 times the normal] |
| ** | VIOORIDUS (R/F More than 4 times) |

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

Reservoir Status (For the week ending on 30.04.2015)

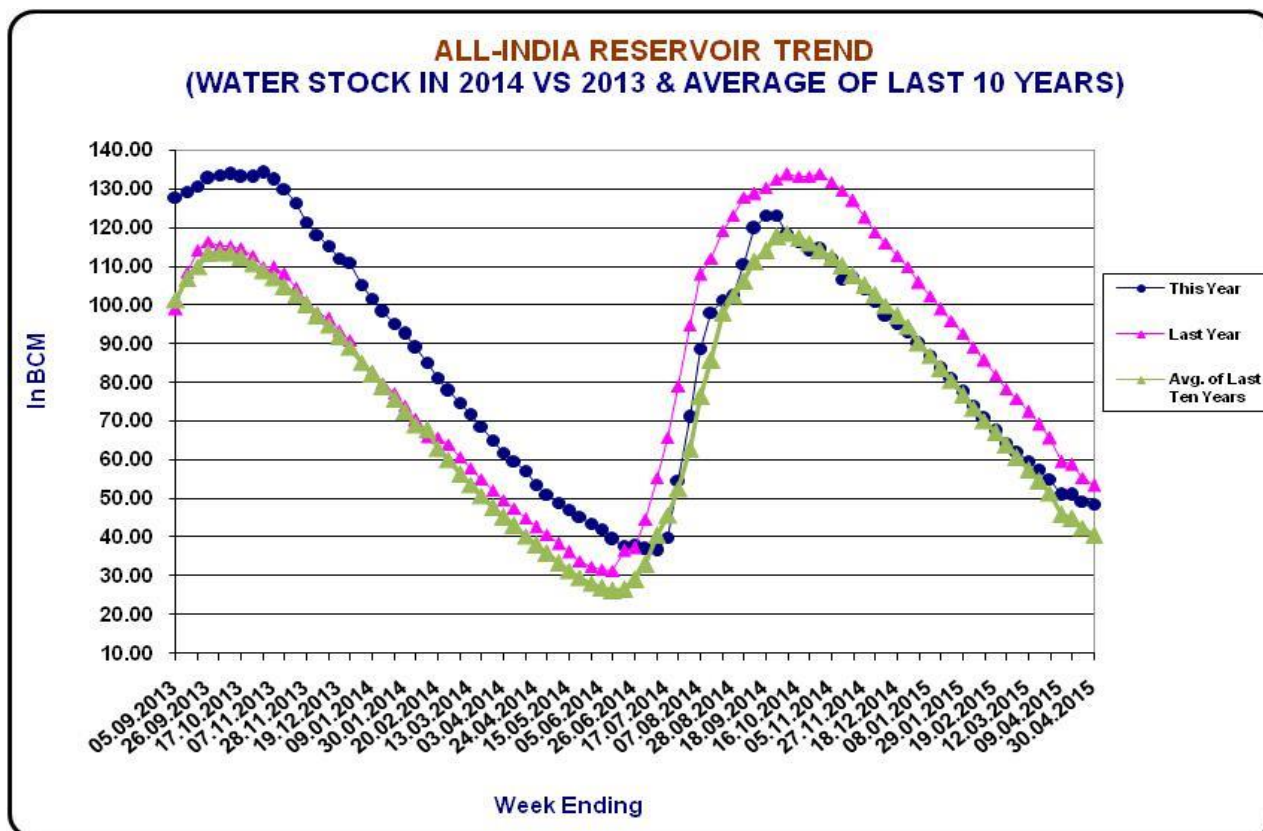
- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **157.80** billion cubic meters (BCM), which is about 74% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs **decreased** to 48.62 BCM from the previous week's level of 49.84 BCM. Current storage is **lower** than the last year's position of 53.36 BCM and more than the average of last 10 year's storage of 40.49 BCM.

Table – 4: For 85 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 | 31 | 91 | 120 |
| Last Week | 33 | 86 | 110 |
| The percentage to live capacity at FRL was 34% on 30/04/2014, 24% on 30/04/2013, 28% on 26/04/2012 and 31% on 28/04/2011. | | | |
| * Live storage as % to Full Reservoir Level (FRL) of 157.80 <i>Billion Cub. Mts.(BCM)</i> | | | |

Source: CWC

- There were 66 reservoirs having storage more than 80%, 14 reservoirs having storage between 50% to 80% of Normal Storage, 07 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 Rabi 2014-15 (As on 30.04.2015)

(in '000 Tonne)

| <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 30.04.2015</i> | <i>2004</i> | <i>469</i> | <i>351</i> | <i>779</i> | <i>390</i> |
| <i>Sales upto 30.04.2015</i> | <i>996</i> | <i>100</i> | <i>14</i> | <i>93</i> | <i>56</i> |
| <i>Closing Stock as on 30.04.2015</i> | <i>1008</i> | <i>369</i> | <i>337</i> | <i>686</i> | <i>334</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

Table - 6 : Percentage Variations in the Wholesale Price Indices (WPI) of Major items

| Period / commodities | Weight | Inflation (year on year) | | |
|------------------------------|--------------|--------------------------|--------------|--------------|
| | | Feb., 2015 | Jan., 2015 | Feb., 2014 |
| All Commodities | 100 | -2.06 | -0.39 | 5.03 |
| Primary Articles | 20.12 | 1.43 | 3.27 | 6.28 |
| (a) Food Articles | 14.34 | 7.74 | 8.00 | 7.94 |
| Cereals | 3.37 | 1.39 | 1.65 | 9.22 |
| Rice | 1.79 | 3.80 | 4.00 | 13.65 |
| Wheat | 1.12 | -2.40 | -1.63 | 6.61 |
| Pulses | 0.72 | 14.59 | 12.34 | -5.68 |
| Gram | 0.33 | 3.47 | -2.36 | -21.46 |
| Arhar | 0.13 | 17.07 | 12.36 | 7.35 |
| Moong | 0.08 | 23.88 | 30.58 | 13.08 |
| Masur | 0.05 | 26.49 | 27.07 | 15.18 |
| Urad | 0.10 | 25.28 | 26.67 | 7.48 |
| Vegetables | 1.74 | 15.54 | 19.74 | 2.38 |
| Potato | 0.20 | -3.56 | 2.11 | 7.74 |
| Onion | 0.18 | 26.58 | -1.90 | -27.50 |
| Fruits | 2.11 | 16.84 | 17.19 | 9.92 |
| Milk | 3.24 | 7.33 | 9.13 | 8.78 |
| Egg, Meat & Fish | 2.41 | 1.27 | -1.51 | 9.66 |
| (b) Non-Food Articles | 4.26 | -5.55 | -4.07 | 5.46 |
| Oilseeds | 1.78 | 0.05 | 0.89 | -0.64 |
| Fuel & Power | 14.91 | -14.72 | -10.69 | -14.72 |

Procurement:**Table – 7: Progressive procurement of Rice as on 01.05.2015 (lakh tonnes)**

| State | Total procurement in marketing season 2013-14 (Oct. – Sept.) | Progressive Procurement as on 01.05.2015 | |
|----------------|--|--|-------------------------------|
| | | In Marketing season 2014-2015 | In Marketing season 2013-2014 |
| Andhra Pradesh | 37.38 | 21.98 | 43.22 |
| Telangana | 44.00 | 18.30 | 0.00 |
| Chhattisgarh | 43.0 | 33.55 | 42.85 |
| Haryana | 24.06 | 20.09 | 24.05 |
| Kerala | 4.00 | 3.35 | 3.15 |
| Madhya Pradesh | 10.14 | 8.07 | 10.40 |
| Maharashtra | 2.00 | 1.38 | 1.32 |
| 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 | 16.36 | 11.11 |
| Uttarakhand | 4.63 | 4.31 | 3.90 |
| West Bengal | 13.59 | 13.55 | 8.53 |
| All-India | 319.00 | 258.52 | 259.02 |

Table – 8: Progressive procurement of Wheat as on 01.05.2015 (lakh tonnes)

| State | Total procurement in marketing season 2014-15 (April to March.) | Progressive Procurement as on 01.05.2015 | |
|----------------|---|--|-------------------------------|
| | | In Marketing season 2015-2016 | In Marketing season 2014-2015 |
| Punjab | 116.41 | 70.06 | 74.16 |
| Haryana | 64.95 | 56.74 | 55.56 |
| Uttar Pradesh | 6.28 | 4.23 | 0.90 |
| Madhya Pradesh | 70.94 | 45.49 | 47.00 |
| Rajasthan | 21.59 | 5.33 | 8.14 |
| All-India | 280.23 | 182.30 | 185.79 |