

**F. No. 3-1/ 2019-20-CFCC-ES**  
**GOVERNMENT OF INDIA**  
**MINISTRY OF AGRICULTURE AND FARMERS WELFARE**  
**DEPARTMENT OF AGRICULTURE, COOPERATION AND FARMERS WELFARE**  
**(CROP FORECAST COORDINATION CENTRE)**

Room No. 344-A  
Krishi Bhawan, New Delhi  
Dated: 24.06.2019

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
21.06.2019.**

**Summary observations of the Group on Agenda Items**

- *The All-India level rainfall during the week i.e. 13<sup>th</sup> June, 2019 – 19<sup>th</sup> June, 2019 has been 40% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 56% in South Peninsula, by 41% in Central India, by 36% in East & North East India and by 22% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June, 2019 to 19<sup>th</sup> June, 2019 has been 43% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 54% in Central India, 45% in East & North East India, 38% in South Peninsula and 16% in North West India.*
- *For monsoon season 01.06.2019 to 19.06.2019 out of 36 met sub-divisions, 3 met sub-divisions constituting 11% of the total area of the country has received large excess/excess rainfall, 3 met sub-divisions constituting 6% of the total area of the country has received normal rainfall and 30 met sub-divisions constituting 83% of the total area of the country has received deficient/large deficient rainfall.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 161.99 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 120.44 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 20<sup>th</sup> June, 2019 has been 27.27 BCM as against 29.70 BCM on 20.06.2018 (last year) and 29.19 BCM of normal (average of the last 10 years) storage. Current year's storage is 92% of last year's storage and nearly 93% of average of last 10 year's storage.*
- *The All Commodities inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of May, 2019, decreased to 2.45% from the level of 3.07% in the month of April, 2019. The inflation rate was 4.78% during the corresponding period of last year.*
- *The Primary Articles inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of May, 2019, decreased to 6.16% from the level of 6.50% in the month of April, 2019. The inflation rate was 3.79% during the corresponding period of last year.*

- *The wholesale price index for non-food items increased to 6.23% from the previous month's level of 5.23% and for the food items decreased to 6.99% from the previous month's level of 7.37%.*
- *Among the foodgrains, inflation as per wholesale price index of Pulses increased to 18.36% from the previous month's level of 14.32, Wheat decreased to 6.35% from the previous month's level of 7.52%, Cereals to 7.90% from the previous month's level of 8.43% and Paddy to 2.20% from the previous month's level of 2.48%.*
- *All-India progressive procurement of Rice as on 20.06.2019 for 2018-19 was at 432.81 lakh tonnes against the procurement of 356.78 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2019-20 was 341.07 lakh tonnes against the procurement of 353.51 lakh tonnes in the corresponding period of RMS 2018-19.*

## 1. Monsoon Season (June – September) during the week ending 21<sup>st</sup> June, 2019

### ➤ Sub-Division wise Weekly Rainfall Forecast is shown in Table-1.1

- **Rainfall during the week (13<sup>th</sup> June, 2019 to 19<sup>th</sup> June, 2019)** Rainfall was large excess/excess in 4 met sub-divisions, normal in 5 met sub-divisions and deficient/large deficient in 27 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2019 to 19<sup>th</sup> June, 2019)** Rainfall was large excess/excess in 3 met sub-divisions, normal in 3 met sub-divisions and deficient/large deficient in 30 sub-divisions out of 36 meteorological sub-divisions.

**Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country<sup>1</sup>**

Region	Week Ending (19.06.2019)				Cumulative (01.06.19 to 19.06.19)			
	(in mm)		Devi- ation (%)	Cate- gory	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	13.4	17.2	-22	D	29.6	35.4	-16	N
Central India	25.4	42.9	-41	D	36.1	78.7	-54	D
South Peninsular India	18.8	42.8	-56	D	60.2	97.1	-38	D
East & North-East India	54.3	85.4	-36	D	110.9	200.1	-45	D
Country as a whole	25.0	41.8	-40	D	50.8	88.4	-43	D

LE: Large Excess, E: Excess, N: Normal, D: Deficient, LD: Large Deficient, NR: No Rain.

Source: India Meteorological Department, New Delhi

**Table -1.3: Category wise comparative distribution of Sub-division (cumulative rainfall) and All-India Percentage Rainfall Departure for the last five years since: 1<sup>st</sup> June, 2019 to 19<sup>th</sup> June, 2019**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> June to					
	18 JUN 2014	17 JUN 2015	22 JUN 2016	21 JUN 2017	20 JUN 2018	19 JUN 2019
Large Excess	-	-	-	08	02	03
Excess	01	16	06	07	10	00
Normal	07	08	17	11	10	03
<b>Total</b>	<b>08</b>	<b>24</b>	<b>23</b>	<b>26</b>	<b>22</b>	<b>06</b>
Deficient	18	08	11	10	12	19
Large Deficient	-	-	-	00	02	11
Scanty	10	04	02	-	-	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>28</b>	<b>12</b>	<b>13</b>	<b>10</b>	<b>14</b>	<b>30</b>
Data Inadequate	00	00	00	00	00	00
<b>TOTAL</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
<b>All-India % Rainfall Deviation</b>	<b>(-) 45</b>	<b>11%</b>	<b>(-) 18%</b>	<b>4%</b>	<b>(-) 7%</b>	<b>(-) 43%</b>

Source: IMD

### ➤ Sub-division-wise 5 days rainfall forecast from 21<sup>st</sup> June, 2019 to 25<sup>th</sup> June, 2019 is shown in Table 1.4

1. North-west India - Uttar Pradesh, Rajasthan, Haryana, Chandigarh and Delhi, Punjab, Uttarakhand, Himachal Pradesh, and Jammu and Kashmir.  
Central India - Madhya Pradesh, Chhattisgarh, Maharashtra, Odisha, Goa and Gujarat.  
South Peninsula - Andhra Pradesh & Telangana, Karnataka, Tamil Nadu & Puducherry, Kerala, A & N islands and Lakshadweep.  
East & North East India - Bihar, Jharkhand, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram and Tripura.

**Table: 1.1**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2019</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>20 JUN</b>	<b>21 JUN</b>	<b>22 JUN</b>	<b>23 JUN</b>	<b>24 JUN</b>	<b>25 JUN</b>	<b>26 JUN</b>
1	ANDAMAN & NICO.ISLANDS	FWS	FWS	WS	WS*	WS*	WS	WS
2	ARUNACHAL PRADESH	SCT	SCT	FWS*	WS*	WS*	WS**	FWS**
3	ASSAM & MEGHALAYA	SCT	FWS*	FWS	WS*	WS*	WS**	WS**
4	NAGA.MANI.MIZO.& TRIPURA	FWS\$*	FWS*	FWS	FWS	FWS	WS*	WS
5	SUB-HIM.W. BENG. & SIKKIM	WS*	FWS	FWS	WS\$**	WS**	WS**	FWS*
6	GANGETIC WEST BENGAL	FWS\$†	FWS\$*	SCT	ISOL	ISOL\$	SCT	FWS*
7	ODISHA	FWS\$**	WS**	FWS*	SCT	SCT	SCT	FWS
8	JHARKHAND	FWS\$	FWS\$	SCT\$	ISOL	ISOL	SCT	FWS*
9	BIHAR	SCT\$†	SCT\$†	SCT\$	SCT*	FWS	FWS*	FWS*
10	EAST UTTAR PRADESH	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	ISOL
12	UTTARAKHAND	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
13	HARYANA CHD. & DELHI	DRY	DRY	ISOL	ISOL	ISOL	SCT	ISOL
14	PUNJAB	ISOL\$	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	SCT\$	ISOL	ISOL	SCT	FWS	SCT	ISOL
16	JAMMU & KASHMIR	FWS\$	ISOL	ISOL	FWS\$	WS\$	SCT	ISOL
17	WEST RAJASTHAN	ISOL\$	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	SCT	SCT
20	EAST MADHYA PRADESH	SCT	SCT	SCT	SCT	SCT	SCT	FWS
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	SCT	SCT	SCT*	SCT	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	SCT*	SCT	ISOL
23	KONKAN & GOA	WS**	WS**	WS**	WS**	WS**	WS*	WS**
24	MADHYA MAHARASHTRA	SCT*	SCT*	FWS**	WS**	FWS	FWS	SCT
25	MARATHAWADA	ISOL	SCT	FWS*	WS*	FWS	FWS	FWS
26	VIDARBHA	ISOL\$†	SCT†	SCT	SCT	SCT	SCT	FWS*
27	CHHATTISGARH	SCT\$*	FWS**	FWS*	SCT	SCT	SCT	FWS
28	COASTAL A. PR. & YANAM	FWS\$*	FWS*	FWS*	FWS	SCT	ISOL	ISOL
29	TELANGANA	FWS\$*†	FWS*	WS*	FWS	SCT	SCT	SCT
30	RAYALASEEMA	SCT*	FWS	FWS	SCT	SCT	ISOL	ISOL
31	TAMIL. PUDU. & KARAICAL	ISOL†	ISOL*	ISOL*	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS**	WS**	WS***	WS**	WS*	WS	WS
33	NORTH INT.KARNATAKA	SCT	SCT	WS*	WS*	FWS	SCT	SCT
34	SOUTH INT.KARNATAKA	FWS*	FWS*	WS**	WS*	FWS	SCT	SCT
35	KERALA & MAHE	WS**	WS**	WS**	WS**	WS*	WS	FWS
36	LAKSHADWEEP	WS	WS	WS	WS	WS	FWS	FWS
<b>LEGENDS:</b>								
<b>WS</b>	<b>WIDE SPREAD / MOST PLACES (76-100%)</b>			<b>FWS</b>	<b>FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)</b>			
<b>SCT</b>	<b>SCATTERED / FEW PLACES (26% to 50%)</b>			<b>ISOL</b>	<b>ISOLATED (up to 25%)</b>		<b>D/DRY</b>	<b>NIL RAINFALL</b>
* Heavy Rainfall (64.5-115.5 mm)		** Heavy to Very Heavy Rainfall (115.6-204.4 mm)			*** Extremely Heavy Rainfall (204.5 mm or more)			
• FOG	* SNOWFALL	# HAILSTORM			† HEAT WAVE (+4.5°C to +6.4°C)		†† SEVERE HEAT WAVE (> +6.4)	
\$ THUNDERSTORM WITH SQUALL/GUSTY WIND		DS/TS DUST/THUNDERSTORM			‡ COLD WAVE (-4.5°C to -6.4°C)		‡‡ SEVERE COLD WAVE (< -6.4)	

Source: IMD

**Table: 1.4**

Met-Sub-Division	21-Jun Today	22Jun Sat	23Jun Sun	24Jun Mon	25Jun Tue
1. Andaman & Nicobar Islands	FWS	WS	WS	WS	WS
2. Arunachal Pradesh	SCT	FWS	WS	WS	WS
3. Assam & Meghalaya	FWS	FWS	WS	WS	WS
4. N. M. M. & T.	FWS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	FWS	WS	WS	WS
6. Gangetic West Bengal	FWS	SCT	ISOL	ISOL	ISOL
7. Odisha	WS	FWS	SCT	SCT	SCT
8. Jharkhand	FWS	SCT	ISOL	ISOL	ISOL
9. Bihar	SCT	SCT	SCT	FWS	FWS
10. East Uttar Pradesh	ISOL	SCT	SCT	SCT	SCT
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	ISOL	ISOL	SCT	SCT	SCT
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	ISOL	ISOL
14. Punjab	ISOL	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	ISOL	ISOL	SCT	FWS	FWS
16. Jammu & Kashmir	ISOL	ISOL	FWS	WS	WS
17. West Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	ISOL	ISOL	SCT	SCT	SCT
20. East Madhya Pradesh	SCT	SCT	SCT	SCT	SCT
21. Gujarat Region	ISOL	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	SCT	SCT
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	FWS	WS	FWS	FWS
25. Marathawada	SCT	FWS	WS	FWS	FWS
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	FWS	FWS	SCT	SCT	SCT
28. Coastal A. P. & Yanam	FWS	FWS	FWS	SCT	SCT
29. Telangana	FWS	WS	FWS	SCT	SCT
30. Rayalaseema	FWS	FWS	SCT	SCT	SCT
31. T.N.,Puducherry & Karaikal	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	WS	WS	FWS	FWS
34. South Interior Karnataka	FWS	WS	WS	FWS	FWS
35. Kerala & Mahe	WS	WS	WS	WS	WS
36. Lakshadweep	WS	WS	WS	WS	WS

% Station Reporting Rainfall			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

Source: IMD

## 2. Reservoir Status (For the week ending on 20.06.2019)

- **The Central Water Commission** monitors the live storage capacity of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **161.99** Billion Cubic Meters (BCM), which is about 63% of total reservoir capacity of 257.81 BCM in the country.
- Live Storage in 91 major reservoirs decreased to 27.27 BCM from the previous week's level of 29.19 BCM. Current year's storage position is lower than the last year's storage position of 29.70 BCM and the average of last 10 year's storage position of 29.19 BCM.

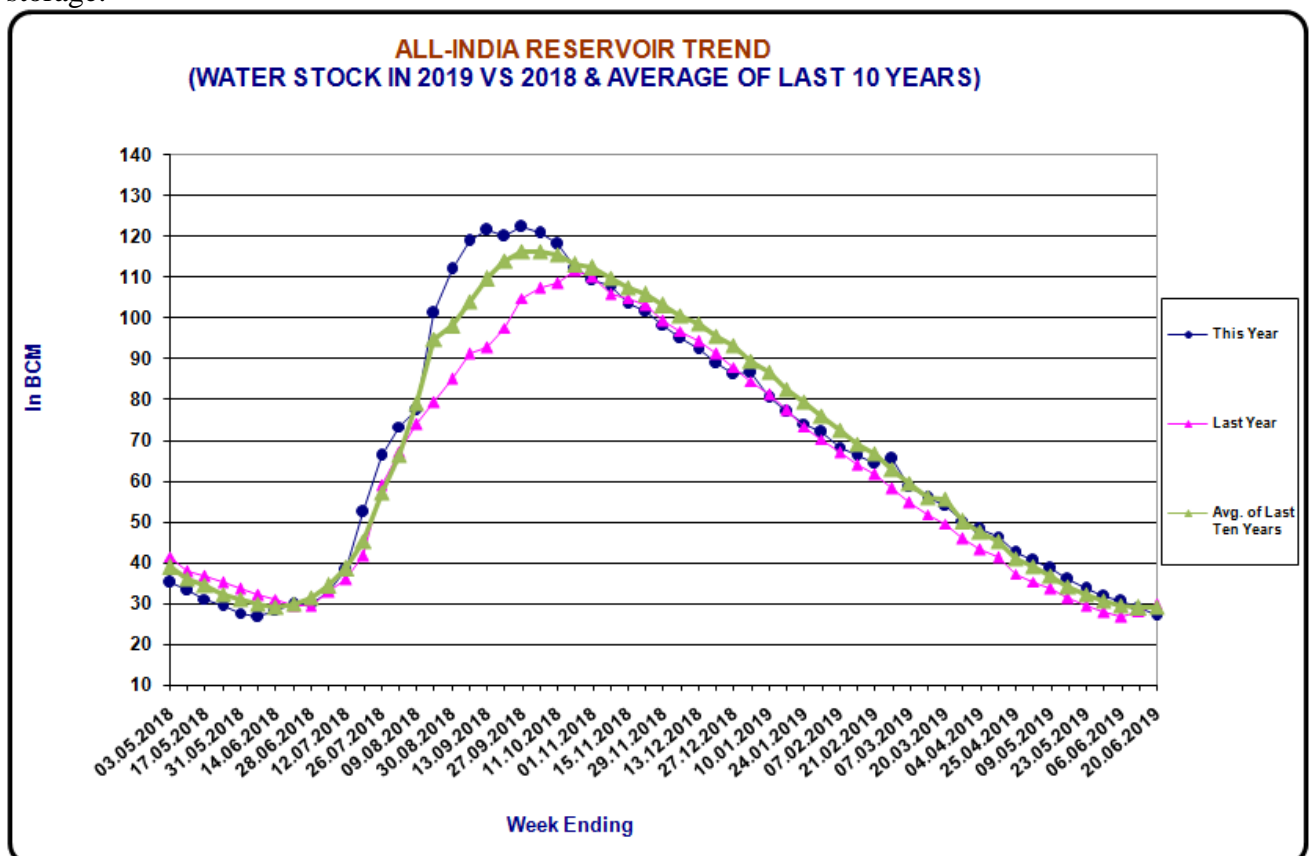
**Table – 2.1 : For 91 major reservoirs of the country**

<u>Period</u>	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	17	92	93
Last Week	18	104	101

The percentage to live capacity at FRL was 18% on 20/06/2018, 18% on 20/06/2017, 15% on 16/06/2016 and 25% on 16/06/2015.

Source: CWC

There were 32 reservoirs having storage more than 80% of normal storage, 23 reservoirs having storage between 51% to 80%, 12 reservoirs having storage between 31% to 50% and 24 reservoirs having storage upto 30% of Normal Storage out of these 11 reservoirs having no live storage.



Source: Central Water Commission

### 3. Fertilizer Position:

**Table – 3.1: Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers UREA, DAP, MOP, Complex and SSP during Kharif 2018-19 (As on 20.06.2019)**

*(in '000 tonnes)*

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
<b>Opening Stock as on 01.04.2019</b>	<b>613</b>	<b>833</b>	<b>265</b>	<b>1281</b>	<b>128</b>
<b>Requirement for Kharif 2019</b>	<b>15672</b>	<b>5121</b>	<b>2038</b>	<b>5296</b>	<b>2505</b>
Estimated Requirement during June 2019	2798	999	392	971	474
Cumulative Receipt upto 20.06.2019	5570	2432	586	1783	894
Cumulative Availability upto 20.06.2019	6183	3265	851	3064	1022
Cumulative Sales upto 20.06.2019	4928	1448	406	1153	819
Closing Stock as on 20.06.2019	1255	1817	445	1911	203

Source: Fertilizer Division (DAC&FW) / Deptt. of Fertilizer

### 4. Pest & Diseases:

- Overall intensity of pests and diseases remained below Economic Threshold Level (ETL).
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

### 5. **Availability position of seeds and fertilizers has been found satisfactory.**

## 6. Percentage Variations in the Wholesale Price Indices (WPI) of Major items

Table: 6.1

Period / Commodities	Weight	Inflation (year on year)		
		May-2019	Apr-2019	May-2018
<b>All Commodities</b>	<b>100</b>	<b>2.45</b>	<b>3.07</b>	<b>4.78</b>
<b>Primary Articles</b>	<b>22.62</b>	<b>6.16</b>	<b>6.50</b>	<b>3.79</b>
<b>(a) Food Articles</b>	<b>15.26</b>	<b>6.99</b>	<b>7.37</b>	<b>1.74</b>
<b>Cereals</b>	<b>2.82</b>	<b>7.90</b>	<b>8.43</b>	<b>1.68</b>
Paddy	1.43	2.20	2.48	4.19
Wheat	1.03	6.35	7.52	3.05
<b>Pulses</b>	<b>0.64</b>	<b>18.36</b>	<b>14.32</b>	<b>-21.13</b>
Gram	0.26	17.62	13.46	-30.67
Arhar	0.13	23.99	18.65	-4.69
Moong	0.07	15.84	14.98	-5.91
Masur	0.05	11.76	9.11	-18.72
Urad	0.09	18.54	11.76	-25.60
<b>Vegetables</b>	<b>1.87</b>	<b>33.15</b>	<b>40.65</b>	<b>3.56</b>
Potato	0.28	-23.36	-17.15	88.53
Onion	0.16	15.89	-3.43	13.20
Fruits	1.60	-3.51	-6.88	15.40
Milk	4.44	1.13	1.49	2.38
Egg, Meat & Fish	2.40	5.64	6.94	0.15
<b>(b) Non-Food Articles</b>	<b>4.12</b>	<b>6.23</b>	<b>5.23</b>	<b>0.42</b>
<b>Oilseeds</b>	<b>1.12</b>	<b>7.26</b>	<b>6.79</b>	<b>8.16</b>
Fuel & Power	13.15	0.98	3.84	12.65



## 7. Progressive procurement of Rice as on 21.06.2019

Table: 7.1

(lakh tones)

State	Target in marketing season 2018-19 (Oct. – Sept.)	Progressive Procurement as on 21.06.2019	
		In Marketing season 2018-2019	In Marketing season 2017-2018
<b>Andhra Pradesh</b>	<b>52.54</b>	44.03	38.20
<b>Telangana</b>	<b>45.00</b>	51.85	36.06
<b>Bihar</b>	<b>8.00</b>	9.49	7.93
<b>Chhattisgarh</b>	<b>40.00</b>	40.80	32.07
<b>Haryana</b>	<b>39.75</b>	39.41	39.92
<b>Jharkhand</b>	<b>2.50</b>	1.53	1.43
<b>Kerala</b>	<b>3.70</b>	4.63	3.23
<b>Madhya Pradesh</b>	<b>13.00</b>	13.95	11.00
<b>Maharashtra</b>	<b>5.50</b>	5.13	1.74
<b>Odisha</b>	<b>37.00</b>	41.58	28.65
<b>Punjab</b>	<b>114.00</b>	113.34	118.39
<b>Tamil Nadu</b>	<b>14.80</b>	11.87	8.02
<b>Uttar Pradesh</b>	<b>33.00</b>	32.33	28.75
<b>Uttrakhand</b>	<b>5.00</b>	4.62	0.38
<b>West Bengal</b>	<b>31.00</b>	17.14	0.50
<b>All-India</b>	<b>448.04</b>	<b>432.81</b>	<b>356.78</b>