

F. No. 3-1/ 2018-19-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: 03.10.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
28.09.2018.**

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week i.e. 20th September, 2018 – 26th September, 2018 has been 20% higher than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher than LPA by 148% in North West India & 19% in Central India but lower than the LPA by 29% in South Peninsula & 22% in East & North East India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June, 2018 to 26th September, 2018 has been 9% lower than LPA. Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 24% in East & North East India, 5% in Central India, 2% in South Peninsula and 1% in North West India.*
- *Out of 36 met sub-divisions, 1 met sub-division constituting 1% of the total area of the country has received large excess/excess rainfall, 23 met sub-divisions constituting 67% of the total area of the country has received normal rainfall, 12 met subdivisions constituting 32% 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 27th September, 2018 has been 122.51 BCM as against 104.95 BCM on 27.09.2017 (last year) and 116.36 BCM of normal (average of the last 10 years) storage. Current year's storage is 117% of last year's storage and 105% of average of last 10 year's storage.*
- *As per 1st Advance Estimates for 2018-19, the area coverage under all Kharif crops taken together has been 1052.38 lakh hectares at All India level as compared to 1072.79 lakh hectares during 2017-18.*
- *Area coverage under Rice has been 384.19 lakh ha. which is lower by 9.3 lakh ha. than its area coverage of 393.52 lakh ha. during the year 2017-18.*
- *Area coverage under Pulses has been 135.52 lakh ha. which is lower by 5.3 lakh ha. than its area coverage of 140.83 lakh ha. during the year 2017-18.*
- *Area coverage under Kharif Coarse Cereals has been 175.35 lakh ha. which is lower by 10.9 lakh ha. As compared to their area coverage of 186.29 lakh ha. during the year 2017-18.*

- *Area coverage under Cotton has been 122.38 lakh ha. which is lower by 1.9 lakh ha. than its area coverage of 124.29 lakh ha. during the year 2017-18.*
- *Area coverage under Kharif Oilseeds has been 175.92 lakh ha. which is higher by 2.7 lakh ha. than its area coverage of 173.19 lakh ha. during the year 2017-18.*
- *Area coverage under Sugarcane has been 51.59 lakh ha. which is higher by 4.3 lakh ha. than its area coverage of 47.32 lakh ha. during the year 2017-18.*
- *All-India progressive procurement of Rice as on 28.09.2018 for 2017-18 was at 381.75 lakh tonnes against the procurement of 380.71 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2018-19 was 355.22 lakh tonnes which was higher than the procurement of 306.65 lakh tonnes in the corresponding period of RMS 2017-18.*

1. Monsoon Season (June – September) during the week ending 26th Sept., 2018

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

- **Rainfall during the week (20th September, 2018 to 26th September, 2018)** Rainfall was large excess/excess in 11 met sub-divisions, normal in 8 met sub-divisions, deficient/large deficient in 17 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2018 to 26th September, 2018)** Rainfall was large excess/excess in 1 sub-division, normal in 23 met sub-divisions, deficient/large deficient in 12 sub-divisions out of 36 meteorological sub-divisions.

Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (26.09.2018)				Cumulative (01.06.18 to 26.09.18)			
	(in mm)		Devi- ation (%)	Cate- gory	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	51.2	20.6	148	LE	601.2	608.4	-1	N
Central India	40.2	33.8	19	N	907.6	960.4	-5	N
South Peninsular India	29.7	41.6	-29	D	681.0	691.6	-2	N
East & North-East India	47.1	60.4	-22	D	1061.9	1403.7	-24	D
Country as a whole	42.6	35.6	20	D	793.5	870.1	-9	N

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: 1st June, 2018 to 26th Sept., 2018

No. of Sub-Divisions with rainfall	For the period from 1 st June to					
	25 SEPT 2013	24 SEPT 2014	23 SEPT 2015	28 SEPT 2016	27 SEPT 2017	26 SEPT 2018
Large Excess	-	-	-	-	00	00
Excess	12	01	01	05	05	01
Normal	18	25	19	22	25	23
Total	30	26	20	27	30	24
Deficient	06	10	16	09	06	12
Large Deficient	-	-	-	-	00	00
Scanty	00	00	00	00	-	-
No rain	00	00	00	00	00	00
Total	06	10	16	09	06	12
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	5%	(-) 11%	(-) 12%	(-) 3%	(-) 5%	(-) 9%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 28th Sept., 18 to 02nd Oct., 18 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

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2018								
Sr. No	MET.SUB-DIVISIONS	27 SEP	28 SEP	29 SEP	30 SEP	01 OCT	02 OCT	03 OCT
1	ANDAMAN & NICO.ISLANDS	SCT	SCT	SCT	SCT	SCT	SCT	SCT
2	ARUNACHAL PRADESH	FWS	FWS	FWS	FWS	FWS	SCT	SCT
3	ASSAM & MEGHALAYA	FWS ^{*TS}	SCT	SCT	SCT	FWS	SCT	SCT
4	NAGA.MANI.MIZO.& TRIPURA	SCT ^{TS}	ISOL	ISOL	ISOL	SCT	FWS	SCT
5	SUB-HIM.W. BENG. & SIKKIM	SCT	FWS	SCT	SCT	SCT	SCT	ISOL
6	GANGETIC WEST BENGAL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
7	ODISHA	SCT	SCT	SCT	SCT	ISOL	ISOL	DRY
8	JHARKHAND	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
9	BIHAR	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
13	HARYANA CHD. & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
16	JAMMU & KASHMIR	ISOL	ISOL	ISOL	ISOL	ISOL	DRY	DRY
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	DRY
19	WEST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
23	KONKAN & GOA	SCT ^{*TS}	SCT ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
24	MADHYA MAHARASHTRA	SCT ^{TS}	SCT ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL ^{TS}	ISOL ^{TS}	ISOL	DRY	DRY	DRY	DRY
26	VIDARBHA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	DRY
28	COASTAL ANDHRA PRADESH	SCT ^{*TS}	SCT ^{TS}	ISOL	ISOL	SCT	SCT	SCT
29	TELANGANA	FWS ^{*TS}	SCT ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	SCT ^{*TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	FWS ^{**TS}	FWS ^{*TS}	SCT [*]	SCT [*]	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS [*]	WS [*]	FWS	FWS	FWS	FWS	FWS
33	NORTH INT.KARNATAKA	FWS ^{TS}	FWS ^{TS}	SCT	ISOL	ISOL	ISOL	ISOL
34	SOUTH INT.KARNATAKA	WS ^{**TS}	WS ^{*TS}	FWS [*]	FWS	SCT	SCT	SCT
35	KERALA	WS ^{*TS}	WS ^{*TS}	FWS [*]	FWS	FWS	SCT	FWS
36	LAKSHADWEEP	WS	WS	WS	FWS	SCT	SCT	SCT
LEGENDS:								
WS	WIDE SPREAD / MOST PLACES (76-100%)			FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)			
SCT	SCATTERED / FEW PLACES (26% to 50%)			ISOL	ISOLATED (up to 25%)	D/DRY	NIL RAINFALL	
[*] 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)			
^o 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)		

Table: 1.4

Met-Sub-Division	28-Sep Today	29Sep Sat	30Sep Sun	01Oct Mon	02Oct Tue
1. Andaman & Nicobar Islands	SCT	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	FWS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	SCT	SCT	SCT	FWS	FWS
4. N. M. M. & T.	ISOL	ISOL	ISOL	SCT	SCT
5. S.H. West Bengal & Sikkim	FWS	SCT	SCT	SCT	SCT
6. Gangetic West Bengal	ISOL	ISOL	ISOL	ISOL	ISOL
7. Odisha	SCT	SCT	SCT	ISOL	ISOL
8. Jharkhand	ISOL	DRY	DRY	DRY	DRY
9. Bihar	ISOL	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	ISOL	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	SCT	ISOL	ISOL	ISOL	ISOL
24. Madhya Maharashtra	SCT	ISOL	ISOL	ISOL	ISOL
25. Marathawada	ISOL	ISOL	DRY	DRY	DRY
26. Vidharbha	ISOL	DRY	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	SCT	ISOL	ISOL	SCT	SCT
29. Telangana	SCT	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	FWS	SCT	SCT	ISOL	ISOL
32. Coastal Karnataka	WS	FWS	FWS	FWS	FWS
33. North Interior Karnataka	FWS	SCT	ISOL	ISOL	ISOL
34. South Interior Karnataka	WS	FWS	FWS	SCT	SCT
35. Kerala	WS	FWS	FWS	FWS	FWS
36. Lakshadweep	WS	WS	FWS	SCT	SCT

% Station Reporting Rainfall

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

2. Reservoir Status (For the week ending on 27.09.2018)

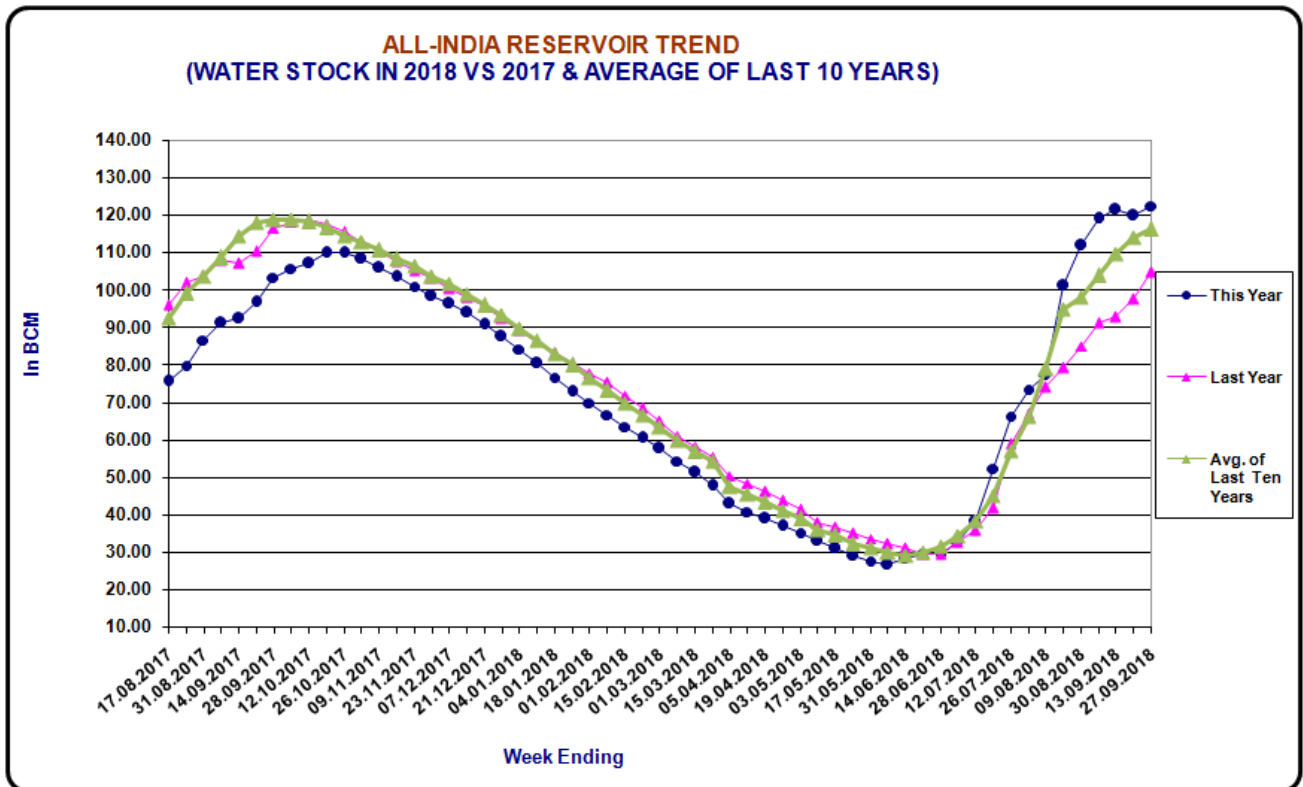
- **The Central Water Commission** monitors the live storage capacity of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **161.99** Billion Cubic Meters (BCM), which is about 63% of total reservoir capacity of 257.81 BCM in the country.
- Live Storage in 91 major reservoirs increased to 122.51 BCM from the previous week's level of 120.09 BCM. Current year's storage position is higher than the last year's storage position of 104.95 BCM and the average of last 10 year's storage position of 116.36 BCM.

Table – 2.1 : For 91 major reservoirs of the country

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	76	117	105
Last Week	74	123	105

The percentage to live capacity at FRL was 65% on 27/09/2017, 71% on 27/09/2016, 60% on 24/09/2015 and 79% on 25/09/2014.

There were 75 reservoirs having storage more than 80% of normal storage, 10 reservoirs having storage between 51% to 80%, 3 reservoirs having storage between 31% to 50% and 3 reservoirs having storage upto 30% of Normal 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 (As on 27.09.2018)

(in '000 tonnes)

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	88	727	160
Requirement for Kharif 2018	14891	4918	2025	4973	2625
Cumulative Requirement from April to September, 2018	14891	4918	2026	4974	2626
Cumulative Receipt upto 27.09.2018	14272	5106	1601	4827	2092
Cumulative Availability upto 27.09.2018	15276	5300	1689	5555	2252
Cumulative Sales upto 27.09.2018	14592	4505	1611	4685	2021
Closing Stock as on 27.09.2018	685	795	79	869	231

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

4. Pest & Diseases:

- Incidence of False Smut and Brown plant hopper on Rice reported Trace to Moderate at Barabanki district in Uttar Pradesh State. The crop is at Tillering/Panicle initiation and milky stage.
- Incidence of Hispa on Rice reported Moderate at Khorda District in Odisha State. The crop is at mid-tillering to panicle initiation stage. (An advisory has been issued to the concerned state.)
- Incidence of Fall Army Worm on Maize reported Low to Medium at Davanagere district in Karnataka State and Perambalur district in Tamilnadu State. The crop is at Tassling to cob formation stage. (An advisory has been issued to the concerned State.)
- An advisory has already been issued to the concerned State.
- 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. All India Kharif Crop Situation – 1st Advance Estimates for 2018-19

Table: 6.1

(In lakh hectares)					
Crop Name	Normal Area for whole Kharif Season	Area sown reported			Absolute Change over last year
		1st Advance Estimates 2018-19	% of Normal for whole season	4th Advance Estimates 2017-18	
Rice	395.39	384.19	97.2	393.52	-9.3
Jowar	22.34	17.77	79.5	18.99	-1.2
Bajra	74.03	65.76	88.8	73.83	-8.1
Maize	74.22	76.88	103.6	76.23	0.7
Total Coarse Cereals	188.55	175.35	93.0	186.29	-10.9
Total Cereals	583.94	559.54	95.8	579.81	-20.3
Tur	41.90	45.41	108.4	44.31	1.1
Urad	27.00	38.61	143.0	44.95	-6.3
Moong	24.93	32.65	131.0	32.86	-0.2
Others	15.83	18.85	119.1	18.71	0.1
Total Pulses	111.93	135.52	121.1	140.83	-5.3
Total Foodgrains	695.87	695.06	99.9	720.64	-25.6
Groundnut	42.01	38.90	92.6	41.02	-2.1
Soyabean	112.51	109.60	97.4	104.71	4.9
Sunflower	2.24	1.43	64.0	1.35	0.1
Sesamum	17.50	14.73	84.2	15.62	-0.9
Nigerseed	2.70	2.08	77.1	2.25	-0.2
Castorseed	10.51	9.18	87.4	8.26	0.9
Total Oilseeds	187.47	175.92	93.83	173.19	2.7
Cotton	119.75	122.38	102.2	124.29	-1.9
Sugarcane	48.84	51.59	105.6	47.32	4.3
Jute & Mesta	8.11	7.43	91.6	7.35	0.1
All- Crops	1060.04	1052.38	99.3	1072.79	-20.4

7. Progressive procurement of Rice as on 28.09.2018

Table: 7.1

(lakh tones)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 28.09.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	39.94	37.25
Telangana	34.00	36.18	35.95
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.55	40.22
Haryana	30.00	39.92	35.83
Jharkhand	2.50	1.43	1.39
Kerala	2.32	3.29	3.03
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.79	3.09
Odisha	37.00	32.87	36.30
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	10.08	1.41
Uttar Pradesh	37.00	28.75-	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	16.73	18.95
All-India	430.00	381.75	380.71